

**SELF ASSESSMENT REPORT (SAR)
FOR ACCREDITATION OF UG ENGINEERING
PROGRAMME
(Computer Science and Engineering)
(TIER-I) FIRST CYCLE ACCREDITATION**

**Submitted to
NATIONAL BOARD OF ACCREDITATION
New Delhi**



**VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
Aziznagar Gate, C.B. Post, Himayathnagar, Hyderabad.
February 2022**

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PART A: Institutional Information

- | | | | |
|----------|---|---|---|
| 1 | Name and Address of the Institution | : | Vidya Jyothi Institute of Technology,
Aziz nagar Gate, Himayat Nagar (V),
C.B.Post, Hyderabad |
| 2 | Name and Address of the Affiliating University | : | Jawaharlal Nehru Technological University,
Hyderabad |
| 3 | Year of establishment of the Institution | : | 1998 |
| 4 | Type of the Institution | : | |
| | University | | |
| | Deemed University | | |
| | Government Aided | | |
| | Autonomous | | ✓ |
| | Affiliated | | |
| 5 | Ownership Status: | | |
| | Central Government | | |
| | State Government | | |
| | Government Aided | | |
| | Self – Financing | | ✓ |
| | Trust | | |
| | Society | | |
| | Section 25 Company | | |
| | Any Other (Please specify) | | |

6. Other Academic Institutions of the Trust/Society/Company etc., if any:

Name of the Institution(s)	Year of Establishment	Programs of Study	Location
-	-	-	-

7. Details of all the programs being offered by the institution under consideration:

Name of Program	Program Applied level	Start of Year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation Status	From	To	Program for consideration	Program for duration
Computer Science and Engineering	UG	1999	1999	40	Yes	240	Granted accreditation for 3 years	2018	2021	Yes	4
Sanctioned Intake for Last Five Years for the B.Tech											
Academic Year						Sanctioned Intake					
2020-2021						240					
2019-2020						240					
2018-2019						240					
2017-2018						240					
2016-2017						240					
2015-2016						240					
Name of Program	Program Applied level	Start of Year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation Status	From	To	Program for consideration	Program for duration
M.Tech(CSE)	PG	2011	2011	18	No	18	Eligible but not applied	-	-	No	2

8. Programs to be considered for Accreditation vide this application:

S.No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Computer Science Engineering

9. Total number of employees in the institution:**A. Regular Employees (Faculty and Staff):**

Items	2020-2021		2019-2020		2018-2019	
	Min	Max	Min	Max	Min	Max
Faculty in Engineering (Male)	134	149	142	159	142	155
Faculty in Engineering (Female)	79	79	79	79	84	84
Faculty in Maths, Science & Humanities (Male)	29	40	36	43	30	33
Faculty in Maths, Science & Humanities (Female)	29	29	27	27	28	29
Non-teaching staff (Male)	112	113	120	120	117	119
Non-teaching staff (Female)	60	63	67	70	63	69

B. Contractual Staff Employees (Faculty and Staff): (Not covered in Table A):

Items	CAY		CAY _{m1}		CAY _{m2}	
	Min	Max	Min	Max	Min	Max
Faculty in Engineering (Male)	0	0	0	0	0	0
Faculty in Engineering (Female)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (Male)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (Female)	0	0	0	0	0	0
Non-teaching staff (Male)	0	0	0	0	0	0
Non-teaching staff (Female)	0	0	0	0	0	0

10. Total number of Engineering Students:

Engineering & Technology – UG	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
Engineering & Technology – PG	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
Engineering & Technology - Polytechnic	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
MBA	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
MCA	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2

Engineering & Technology – UG Shift-1

Items	2020-21	2019-20	2018-19
Total no.of Boys	3210	2952	3011
Total no.of Girls	1073	1106	1110
Total	4283	4058	4121

Engineering & Technology – PG Shift-1

Items	2020-21	2019-20	2018-19
Total no.of Boys	83	61	57
Total no.of Girls	48	33	46
Total	131	94	103

Engineering & Technology – MBA Shift-1

Items	2020-21	2019-20	2018-19
Total no.of Boys	55	66	45
Total no.of Girls	57	43	61
Total	112	109	106

11. Vision of the Institution:

- To develop into a reputed Institution at National and International level in Engineering, Technology and Management by generation and dissemination of knowledge through intellectual, cultural and ethical efforts with human values.
- To foster Scientific Temper in promoting the World class professional and technical expertise.

12. Mission of the Institution:

- To create state of art infrastructural facilities for optimization of knowledge acquisition

- To nurture the students holistically and make them competent to excel in the global scenario
- To promote R&D and Consultancy through strong Industry Institute Interaction to address the societal problems

13. Contact Information of the Head of the Institution and NBA coordinator, if designated:

Head of the Institution

Name : Dr. A. Padmaja
Designation : Principal
Mobile No : 9849554882
Email id : principalvjit@vjit.ac.in

NBA coordinator, if designated

Name : Dr D Aruna Kumari
Designation : Professor
Mobile No : 9000909980
Email id : arunakumari@vjit.ac.in

PART B: Criteria Summary

Criteria No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	
2	PROGRAM CURRICULUM AND TEACHING – LEARNING PROCESSES	100	
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	175	
4	STUDENTS PERFORMANCE	100	
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	
6	FACILITIES AND TECHNICAL SUPPORT	80	
7	CONTINUOUS IMPROVEMENT	75	
8	FIRST YEAR ACADEMICS	50	
9	STUDENT SUPPORT SYSTEMS	50	
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	
Total		1000	

CRITERION 1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50
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1. VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50)

1.1. State the Vision and Mission of the CSE Department and Institute (5)

Vision of the Institute (VI)

VI1: To develop into a reputed Institution at National and International level in Engineering, Technology and Management by generation and dissemination of knowledge through intellectual, cultural and ethical efforts with human values

VI2: To foster Scientific Temper in promoting the world class professional and technical expertise

Mission of the Institute (MI)

MI1. To create state-of-the-art infrastructural facilities for optimization of knowledge acquisition

MI2. To nurture the students holistically and make them competent to excel in global scenario

MI3. To promote R&D and Consultancy through strong industry-institute interaction to address the societal problems

Vision of the Department (VD)

To produce the globally competent professionals in the field of Computer Science and Engineering

Mission of the Department (MD)

MD1: To provide state-of-the-art facilities in Computer Science and Engineering, through
Innovative teaching learning practices

MD2: To promote research and development in the frontier areas of Computer Science and
Engineering and to work in interdisciplinary fields

MD3: To enrich students with discipline and high integrity to serve the society and to inculcate the
spirit of ethical values and leadership abilities

MD4: To establish a collaborative environment between Industry and Academia.

Consistency between Institution and Department Statements

Components of Vision Statement of Institute	Components of Vision Statement of Department
To promote the world class professional and technical expertise	To produce the globally competent professionals
Dissemination of knowledge through intellectual, cultural and ethical efforts with human values	Knowledge Dissemination in the field of Computer Science and Engineering

Correlation between Vision of the Institute and Vision of the department

Vision of the department / Institute	VI1	VI2
VD	3	3

Components of Mission Statement of Institute	Components of Mission Statement of Department
State-of- the art infrastructure facilities	To provide State-of- the-art facilities
To nurture the students and competent in global scenario	Enriching the students to serve the society and inculcate ethical values
To promote R&D and Consultancy to address the societal problems	To promote research and development to work in interdisciplinary fields
To Enhance Industry Institute interaction	Collaborative environment between Industry and Academia

Mission of the Department /Institution	MI1	MI2	MI3
MD1	3	3	3
MD2	2	2	3
MD3	3	3	3
MD4	3	3	3

1.2. State the Program Educational Objectives (PEOs) (5)

PEO1	Enhance the employability of the graduates in Software industries/ Public sectors/ Research organizations
PEO2	Acquire analytical and computational abilities to pursue higher studies for professional growth
PEO3	Work in multidisciplinary project teams with effective communication skills and leadership qualities
PEO4	Develop professional ethics among the students and promote Entrepreneurial abilities

1.3. Indicate where the Vision, Mission and PEOs are published and disseminated among stake holders (15)

The Vision, Mission, PEOs are published and disseminated at the following places

- College website <http://www.vjit.ac.in/cse>

Display Boards:

- HOD Chamber
- Staff Rooms
- Class Rooms
- Department Laboratories
- Notice Boards of the department
- Department Library
- Department Premises
- Department Seminar Hall
- Course files
- Lab Manuals

Direct Communication:

Orientation Programs to Fresher's/ parents, Induction Programs to Staff, Alumni meet.

Electronic Media:

- Department News Letter
- Website: www.vjit.ac.in/cse
- Social Media

Vision, Mission and PEOs of the Department are conveyed to stakeholders as follows:

- Special sessions are organized before starting of the academic year, where faculty members and Lab staff are enlightened the Vision and Mission.
- Communicated to the newly admitted students and the parents through orientation and induction program.
- Communicated to Alumni during Alumni Interactions.
- The statements are communicated to the industry/employers through presentations during industrial visits and with other industry-institute interactions.

Additionally, disseminated to various stakeholders of the program in the meetings of faculty members, Board of Studies (BOS), Program Assessment Committee(PAC) and Department Advisory Board (DAB).

1.4. State the process for defining the Vision and Mission of the Department, and PEOs of the program (15)

The department establishes the vision and mission through a review process involving the stakeholders, the future scopes of the department and the societal requirements

- The Mission and Vision of the department are defined in tune with institutional vision and mission considering the expectations of Academic Institutions as well as industry

- Discussions in the DAB meeting, involving Stakeholders to help in defining vision and mission of the Department
- The mission provides an overview of the steps planned to achieve the vision

Step 1: Vision and Mission of the Institution are taken as basis.

Step 2: The Department Advisory Board (DAB) collects data on current and future trends related to the programs being run by the Department, and prepares a draft Vision / Mission statement

Step 3: The draft statement is circulated among all stakeholders; students, alumni, employees, 16 industry, management parents and professional bodies for suggestions.

Step 4: The views are analyzed and reviewed to check the consistency with the vision and mission of the institution as a whole

Step 5: The DAB summarizes the collected views and forwards to the IQAC.

Step 6: IQAC approves the vision and mission of the department

Step 7: The approved vision and mission are published

The process for defining the Mission and Vision of the department is done through various Committees

**Department Advisory Board (DAB) comprises the
Following members:**

- Head of the Department-Chairman
- Program Coordinator
- Senior Faculty Members
- Industry Persons
- Students
- Parents
- Alumni

Internal Quality Assurance Cell (IQAC)

- Head of the institution
- Senior faculty members
- Key Stakeholders

1.4.1 Process for Defining the Vision and Mission of the department

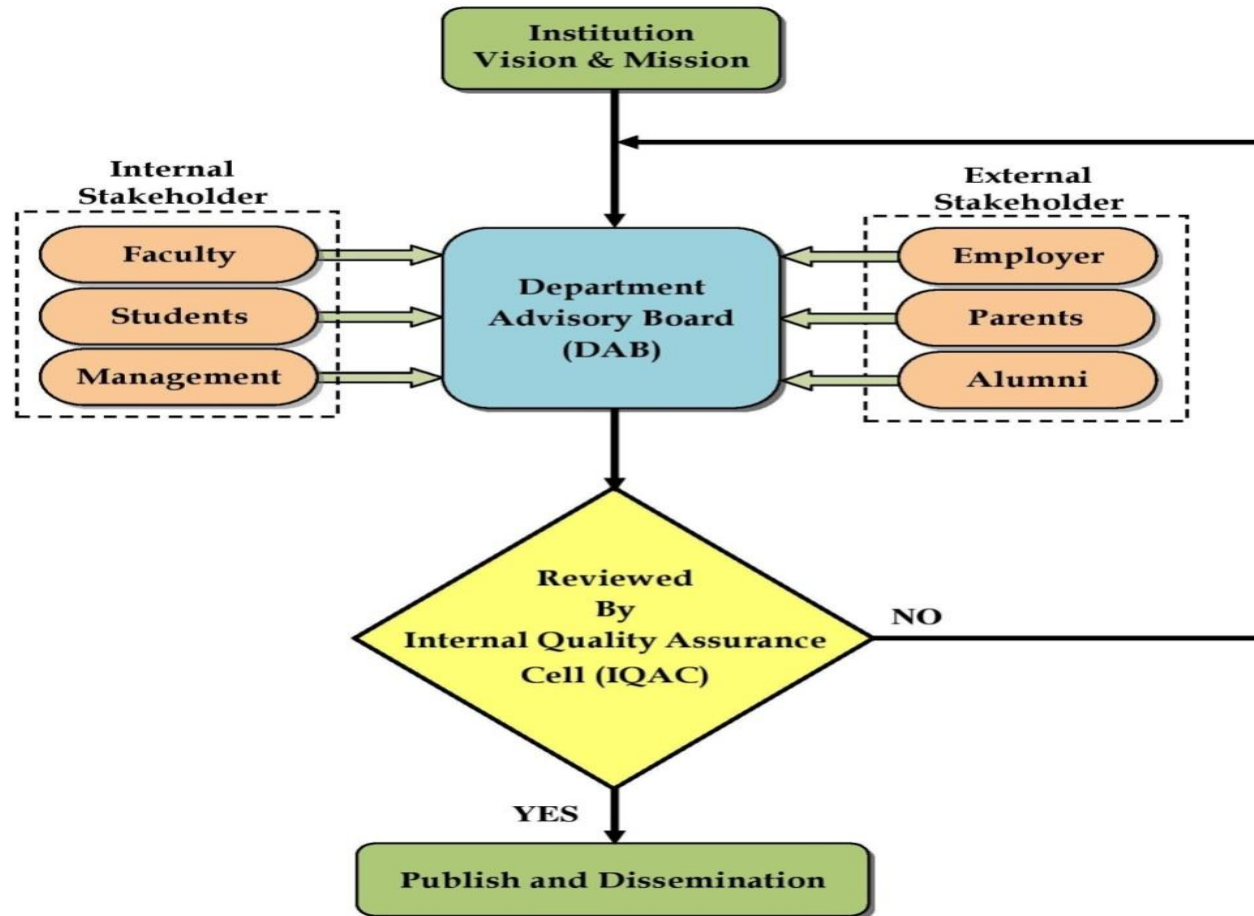


Figure 1.4.1 Process for defining Department Vision & Mission

1.4.2 Process for Defining PEOs of the department

Step 1: Vision and Mission of the department are taken as basis

Step 2: The DAB collects the Views from key stakeholders of the department

Step 3: The DAB summarizes the collected views, express its opinion and forwards to the IQAC

Step 4: IQAC approves the PEOs of the department

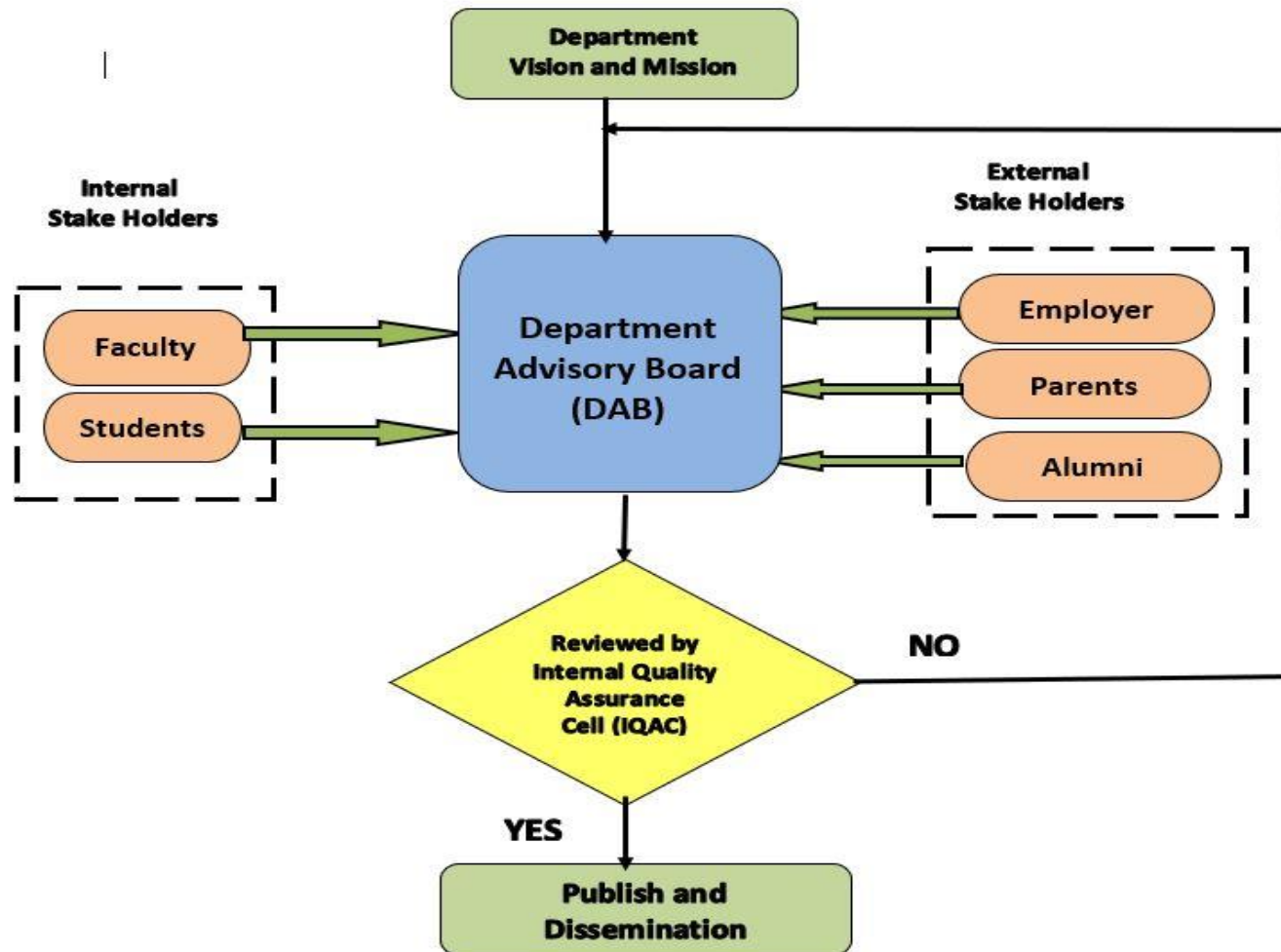


Figure 1.4.2 State the process for establishing the PEOs

1.5. Establish consistency of PEOs with Mission of the Department (10)

The department made sure that the Program Educational Objectives serve the mission of the department. To ensure that, the mapping between Mission and Program Educational Objectives (PEOs) was developed with justification.

Mission Statements	MD 1	MD 2	MD 3	MD 4
	To provide state-of-the-art facilities in Computer Science and Engineering, through innovative teaching learning practice	To promote research and development in the frontier areas of Computer Science and Engineering and to work in interdisciplinary fields	To enrich students with discipline and high integrity to serve the society and inculcate the spirit of ethical values and leadership abilities	To establish a collaborative environment between Industry and Academia
	Key Aspects: State of the art facilities, Teaching learning process, Pedagogy	Key Aspects: Interdisciplinary Research innovation	Key Aspects: Socially responsible, with ethical and Leadership abilities	Key Aspects: Communication and Technical skills

PEO Statements					
PEO1	Enhance the employability of the graduates in Software industries/ Public sectors/ Research organizations	Department has eminent faculty members who make the students through innovative teaching pedagogies	With the well equipped laboratories modern tools students are developing application in different areas	Students exhibits problem solving skills through project based learning to solve societal problems	The faculty members in the department encourages and guides students to acquire good communication and soft skills through various activities to meet the needs of the industry
		Correlation level:3	Correlation level:3	Correlation level:3	Correlation level:3
PEO2	Acquire analytical and computational abilities to pursue higher studies for professional growth	Student gain the knowledge of different club activities that help them to transform their ideas in to reality to go for higher studies	students are utilizing the Program Based Learning labs to have a strong foundation and to conduct interdisciplinary research activities	With the strong foundation of basics in technology the students are able to analyze the real time societal problems and showing their enthusiasm to solve these problems to pursue higher	Invites industry experts Visits the campus /department to motivate the students towards trending technologies by conducting workshops.

				studies	
		Correlation level:3	Correlation level:3	Correlation level:3	Correlation level:3
PEO3	Work in multidisciplinary project teams with effective communication skills and leadership qualities	The students are motivated to attend /organize club activities , hackthons ,workshops will make them to work collaboratively in multi disciplinary fields	The Students are actively attending and presenting their research ideas in the conferences and journals conducted by the various professional chapters	The course structure is designed by inculcating the courses to enrich the students with discipline, ethical values , gender equality	Department /college Industry Institution Interaction cell(IIC) is actively working to maintain the bridge between the industry and institute.
		Correlation level:3	Correlation level:3	Correlation level:3	Correlation level:3
PEO4	Develop professional ethics among the students and promote Entrepreneurial abilities	Students enriched with discipline, ethical values through different courses and acquire Entrepreneurial abilities	Students analyze the research problems and develop innovative solutions to become an entrepreneur	The department organizes various events to provide opportunities to students to emerge as technically strong entrepreneurs, leaders and socially responsible citizens.	The department invites senior industry professionals to share their experiences which help students to imbibe leadership skills and needs of the society
		Correlation	Correlation	Correlation	Correlation level:3

Table 1.5:

		level:3	level:3	level:3		Mapping
--	--	---------	---------	---------	--	---------

between mission and PEOs

CRITERION 2	Program Curriculum and Teaching –Learning Processes	100
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2.1 PROGRAMME CURRICULUM (30)

2.1.1 State the process for designing the program curriculum (10)

Curriculum is designed and developed to ensure excellence in the quality in a systematic manner which provides a learner centric education. The evolution of program curriculum is periodically reviewed considering the following aspects:

Vision and Mission of the department

Program Educational Objectives (PEOs)

Program Outcomes (POs)

Program Specific Outcomes (PSOs)

The Following are the key functional committees in implementing curriculum and reviewing of course/ Program

- Programme Assessment Committee (PAC)
- Department Advisory Board (DAB)
- Board of Studies (BoS)
- Academic Council (AC)
- Board of Governors (BoG)

Programme Assessment Committee (PAC) comprises the following members:

- Head of the Department – Chairperson
- Program Coordinator
- Course coordinators

Department Advisory Board (DAB) comprises the following members:

- Head of the Department - Chairperson
- Program Coordinator
- Senior Faculty Members
- Industry Expert
- Student
- Alumni
- Parent

Board of Studies comprises the following members:

- Head of the Department – Chairperson
- Affiliating University nominee (JNTUH)
- Senior Faculty Members
- Industry Expert
- External academicians

Academic Council comprises the following members:

- Head of the Institution - Chairperson
- Heads of All departments
- Industry Experts
- External academicians
- Senior Professors

Board of Governors comprises the following members:

- Head of the Institution – Chairperson
- Industry Experts
- External academicians
- Senior Professors

Step-1: Program Assessment Committee (PAC) prepares draft curriculum / curricular changes based on the following:

- Department Vision and Mission
- Program Educational Objectives
- Inputs obtained from stakeholders
- Conclusions drawn from analysis of attainment of COs, POs, PSOs
- Guidelines of statutory bodies, such as, AICTE / UGC

Step-2: Conduct Board of Studies (BoS) meeting to finalize the curriculum and syllabi.

Step-3: Submit the curriculum to Academic Council for approval which is finally approved by Board of Governors.

Program Assessment Committee

Program Assessment Committee (PAC) consists of Head of the department and senior faculty members. The course coordinators will recommend changes or revisions in the course content based on results of assessment of COs of the course. This committee scrutinizes the direct and indirect attainments of each course based on feedback from the course coordinators to revise the course content. The PAC monitors the day-to-day activities of the Department. The roles and responsibilities of PAC are as follows.

- Monitoring the achievements of Program Outcomes (POs), Program Specific Outcomes (PSOs) and Program Educational Objectives (PEOs).

- Coordinating with students for the achievement of POs, PSOs and PEOs.
- Interacting with stakeholders regarding the improvement of POs, PSOs and PEOs.
- Evaluating program effectiveness and proposing necessary changes.
- Preparing periodic reports on program activities, progress, status or other special reports.
- Motivating the faculty and students to interact with the outside world i.e., participate in seminars, workshops, conference, developing projects / working models and engaging in research activities.

Department Advisory Board

The Department Advisory Board (DAB) is formed with the goal of creating a bridge between industry and academics considering the latest requirements of the industry and incorporating necessary components in the curriculum. This committee also guides PAC regarding overall development of the department. DAB is comprised of HoD, senior faculty members, Alumni, Parent, Industry and Academic experts. The roles and responsibilities of DAB are as follows.

- Finalize all academic activities of the department and forwarding to the IQAC for analyzing the report of the PAC and monitoring the progress of the program.
- Develop and recommend new or revised program goals and objectives.
- Discuss current and future issues related to programs as per the guidelines.
- Review the feedback given by various stake holders and course coordinators.

Board of Studies

Board of Studies (BoS) takes up planning of the curriculum and the implementation of syllabi. BoS comprises of Head of the Department as Chairman, Industry & Academic experts and Senior faculty members of the department. The roles and responsibilities of the BoS are as follows

- Preparation of curriculum and syllabi for various courses
- Review and update the syllabi from time to time
- Propose methodologies for innovative teaching and evaluation techniques
- Coordinate teaching, research and extension activities in the department.

Academic Council

Academic Council scrutinizes and approves the proposals of the Boards of Studies with regard to courses of study, academic regulations, curricula, syllabi and modifications. Academic Council recommends proposals of new study programmes to the Governing Body for final approval.

Board of Governors

The function of Board of Governors is to decide on the overall development of the Institute which includes infrastructure, resource allocation, welfare measures, institute scholarship, medals, prizes and certificates on the recommendations of academic council and approval of new programs for the Institute.

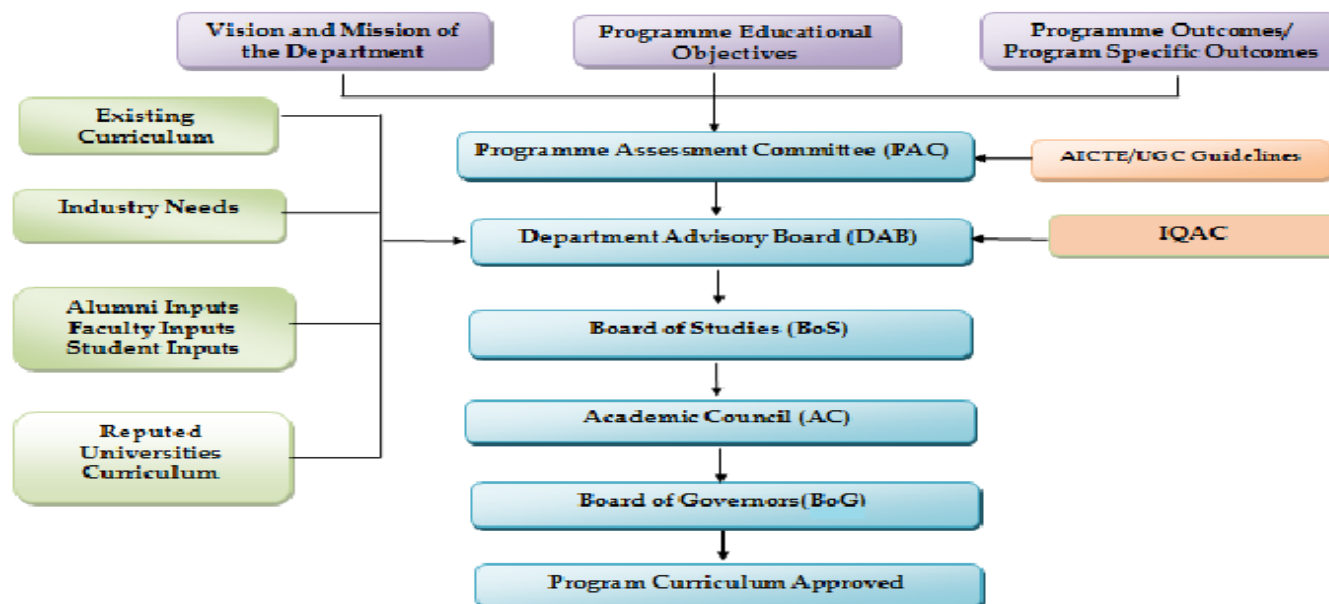


Figure 2.1.1: Process of design Curriculum

2.1.2. Structure of the Curriculum (5)

B.Tech. in Computer science and engineering Program is spread over eight semesters. The curriculum comprises of Basic Sciences, Engineering Sciences, Humanities and Social Sciences, Program Core, Program Electives, Projects, Internships and Management components. The credits associated with the courses are fixed based on the following norms:

The detailed curriculum for the BATCH 2015-2019,2016-2020,2017-2021 is shown in Tables

R15- Course Structures

I YEAR I SEMESTER

Subject Code	SubjectName	L	T	P/D	Total Credits	Total Hours
A11001	English-I	2	0	0	2	2
A11002	Mathematics-I	4	1	0	3	5
A11003	EngineeringPhysics– I	3	1	0	3	4
A11502	CProgramming-I	3	1	0	3	4
A11004	EngineeringChemistry	3	1	0	3	4
A11303	EngineeringGraphics	2	0	3	3	5
A11081	English Language Communication SkillsLab–I	0	0	3	2	3
A11581	CProgrammingLab-I	0	0	3	2	3
A11083	EngineeringPhysicsandChemistryLab	0	0	3	2	3
A11583	ITWorkshop	0	0	3	2	3
	Total	17	07	15	25	36

I YEAR II SEMESTER

Subject Code	SubjectName	L	T	P/D	Total Credits	Total Hours
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A12005	English-II	2	0	0	2	2
A12006	Mathematics–II	4	1	0	3	5
A12007	EngineeringPhysics-II	3	1	0	3	4
A12503	CProgramming–II	3	1	0	3	4
A12009	Mathematics–III	3	1	0	3	4
A12203	BasicElectricalEngineering	3	1	0	3	4
A12085	EnglishLanguageCommunicationSkills Lab– II	0	0	3	2	3
A12584	CProgrammingLab-II	0	0	3	2	3
A12382	EngineeringWorkshop	0	0	3	2	3
	Total	18	5	9	23	32

II YEAR I SEMESTER

Subject Code	SubjectName	L	T	P/D	Total Credits	Total Hours
A13014	Probability&Statistics	3	1	0	3	4
A13504	MathematicalFoundationsofCo mputerScience	3	1	0	3	4
A13505	DataStructures	4	1	0	4	5
A13406	DigitalLogicDesign	3	1	0	3	4
A13506	ObjectOrientedProgramming	4	1	0	4	5
A13401	ElectronicDevices&Circuits	3	1	0	3	4
A13585	DataStructuresLab	0	0	3	2	3

A13483	ElectronicDevices&Circuitsand DigitalLogicDesignLab	0	0	3	2	3
MC-I	MandatoryCourse-I	2	0	0	-	2
	Total	22	6	6	24	34

II YEAR II SEMESTER

Subject Code	SubjectName	L	T	P/D	Total Credits	Total Hours
A14507	DesignandAnalysisofAlgorithms	4	1	0	4	5
A14508	ComputerOrganization	3	1	0	3	4
A14509	DatabaseManagementSystems	4	1	0	4	5
A14510	SoftwareEngineering	3	1	0	3	4
A14511	JavaProgramming	4	1	0	4	5
A14016	EnvironmentalScience	2	1	0	2	3
A14586	JavaProgrammingLab	0	0	3	2	3
A14587	DatabaseManagementSystemslab	0	0	3	2	3
MC-II	MandatoryCourse-II	2	0	0	-	2
	Total	20	6	6	24	34

III YEAR I SEMESTER

Subject Code	Subject Name	L	T	P/D	Total Credits	Total Hours
A15512	LinuxProgramming	3	1	0	3	4
A15513	ComputerNetworks	3	1	0	3	4

A15514	Operating Systems	3	1	0	3	4
A15515	Formal Languages&AutomataTheory	3	1	0	3	4
Professional Elective-1	A15517 -Principles ofProgrammingLanguages A15518 – HumanComputerInteraction A15519 -SoftwareProject Management	3	1	0	3	4
OpenElective-1	A15520 –Java Programming A15521 –Operating Systems	3	1	0	3	4
A15588	OperatingSystems&ComputerNetworks labthroughLINUX.	0	0	3	2	0
A15089	AdvancedCommunicationSkills Lab	0	0	3	2	0
MC-III	QuantitativeMethods&LogicalReasoning	2	1	0	2	3
	Total	20	7	6	24	27

III YEAR II SEMESTER

SubjectCode	Subject Name	L	T	P	Total Credits	Total Hours
A16522	WebTechnologies	3	1	0	3	4
A16523	CompilerDesign	3	1	0	3	4
A16525	DataWarehousing&DataMining	3	1	0	3	4
A16018	ManagerialEconomics & FinancialAnalysis	3	1	0	3	4
A16526A16527A16528	Professional Elective-2 • ObjectOriented Analysis&Design • Distributed Systems • Information RetrievalSystems	3	1	0	3	4
OpenElective-2	A16529 - A16530 -	3	1	0	3	4
A16589	WebTechnologies&CaseToolsLab	0	0	3	2	0

A16590	Compiler Design&Data Mining Lab	0	0	3	2	0
MC-IV	Personality Development & Behavioral Skills	2	1	0	2	3
	Total	20	7	6	24	27

IV YEAR I SEMESTER

Subjet Code	Subject Name	L	T	P	Total Credits	Total Hours
A17531	MobileApplicationDevelopment	3	1	0	3	4
A17532	InformationSecurity	3	1	0	3	4
A17533	CloudComputing	3	1	0	3	4
A17535 A17537 A17536	Professional Electives-3 1.BigData Analysis 2. InternetOfThings 3. ImageProcessing	3	1	0	3	4
A17538 A17540 A17534	Professional Electives-4 1.Advanced Databases 2. Computer Graphics 3.Software Testing Methodologies	3	1	0	3	4
A17541 A17542	OpenElectives-3 1. Information System for Engineers 2.WebDesign	3	1	0	3	4
A17593	MobileApplicationDevelopmentLab	0	0	3	2	0
PE Lab	A17594: Hadoop&Bigdata Lab A17595: Internetof Things Lab A17596: ImageProcessing with SCILab	0	0	3	2	0
MP-1	Mini Project	0	0	0	2	0
	Total	18	6	6	24	24

IV YEAR II SEMESTER

Subject Code	Subject Name	L	T	P	Total Credits	Total Hours
A18543	DesignPatterns	3	1	0	3	4
A18545	MachineLearning	3	1	0	3	4
A18546	Semanticand Social Networks	3	1	0	3	4
TS	TechnicalSeminar	0	0	6	2	0
CVV	Comprehensive Viva-Voce	0	0	0	2	0
MP-II	Project	0	0	15	11	0
	Total	9	3	21	24	12

R18 Curriculum -Course Structure**I YEAR I SEMESTER****COURSE STRUCTURE**

Subject Code	Subject Name	L	T	P/D	Total Credits
A21002	Mathematics-I	3	1	0	4.0
A21003	Applied Physics	3	1	0	4.0
A21201	Basic Electrical Engineering	3	0	0	3.0
A21301	Engineering Graphics & Modeling	1	0	3	2.5
A21501	Programming For Problem Solving-I	2	0	0	2.0
A21082	Applied Physics Lab	0	0	3	1.5
A21281	Basic Electrical Engineering Lab	0	0	2	1.0
A21081	English Language Skills Lab (ELSL)	0	0	2	1.0

A21581	Programming For Problem Solving Lab-I	0	0	2	1.0
TOTAL CREDITS					20

I YEAR II SEMESTER**COURSE STRUCTURE**

Subject Code	Subject Name	L	T	P/D	Total Credits
A22005	English	2	0	0	2.0
A22006	Mathematics-II	3	1	0	4.0
A22008	Chemistry	3	1	0	4.0
A22502	Programming For Problem Solving-II	2	0	0	2.0
A22084	English Communication Skills Lab (ECSL)	0	0	2	1.0
A22086	Chemistry Lab	0	0	3	1.5
A22382	Engineering Workshop	0	1	3	2.5
A22582	Programming For Problem Solving Lab-II	0	0	2	1.0
TOTAL CREDITS					18

II YEAR I SEMESTER

Subject Code	Subject Name	L	T	P/D	Total Credits
A23012	Probability and Statistics	3	0	0	3
A23405	Digital Logic Design	3	0	0	3

A23401	Electronic Devices & Circuits	3	0	0	3
A23504	Data Structures	3	0	0	3
A23505	Mathematical Foundations of Computer Science	3	0	0	3
A23506	Python Programming	3	0	0	3
A23583	Data Structures & Python Programming Lab	0	0	2	2
A23483	Digital Logic Design and Electronic Devices & Circuits Lab	0	0	2	2
A23MC2	Gender Sensitization/Cyber Laws	2	0	0	--
Total number of Credits					20

II YEAR II SEMESTER

Subject Code	Subject Name	L	T	P/D	Total Credits
A24507	Design and Analysis of Algorithms	4	0	0	4
A24508	Computer Organization	3	0	0	3
A24509	Java Programming	3	0	0	3
A24510	Software Engineering	3	0	0	3
A24511	Database Management Systems	3	0	0	3
A24015	Professional Communications	2	0	0	2
A24584	Java Programming Lab	0	0	2	1
A24585	Database Management Systems lab	0	0	2	1
A24MC2	Environmental Science	2	0	0	-

Total number of Credits	20
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III Year I Semester

S. No.	Course Code	Category	Course Title	L	T	P	Credits
1	A25513	PC-9	Computer Networks	3	0	0	3
2	A25514	PC-10	Operating Systems	3	0	0	3
3	A25515	PC-11	Web Technologies	3	0	0	3
4	A25512	PC-12	Formal Languages and Automata Theory	3	0	0	3
5	A25516 A25517 A25518 A25520	PE-1	Human Computer Interaction Linux Programming Software Project Management Computer Graphics	3	0	0	3
6	A25521 A25522 A25523	OE – 1	Basics of Operating Systems Core Java Programming Fundamentals of Computer Networks	3	0	0	3
7	A25586	PC Lab	Computer Networks & Operating Systems Lab	0	0	2	1
8	A25587	PC Lab	Web Technologies Lab	0	0	2	1
9	A25TP2	Value added course -1	Personality Development & Behavioral Skills	2	0	0	1
Total number of Credits							21

III Year II Semester

S. No.		Category	Course Title	L	T	P	Credits
1	A26017	H&S	Managerial Economics and Financial Analysis	3	0	0	3
2	A26524	PC-13	Compiler Design	3	0	0	3
3	A26525	PC-14	Data ware Housing & Data Mining	3	0	0	3
4	A26526	PC-15	Artificial Intelligence	3	0	0	3
5	A26527 A26528 A26529 A26530	PE -2	Object Oriented Analysis & Design Information Security Software Testing Methodologies Principles of Programming Languages	3	0	0	3
7	A26588	PC Lab	Data mining & Case Tools Lab	0	0	2	1
8	A26088	H & S	Advanced Communication Skills Lab	0	0	2	1
9	A26TP1 A26TP2	Value added course -1	Personality Development & Behavioral Skills Quantitative Methods & Logical Reasoning	2	0	0	1
Total number of Credits							21

III Year – ISemester
(Fast Track Curriculum Scheme)

S. No.	Course code	Course Title	L	T	P	Credits
1	A25512	Formal Languages and Automata Theory	3	0	0	3
2	A25513	Computer Networks	3	0	0	3
3	A25514	Operating Systems	3	0	0	3
4	A25515	Web Technologies	3	0	0	3
5	A25516 A25517 A25518 A25520	Human Computer Interaction Linux Programming Software Project Management Computer Graphics	3	0	0	3
6	A25521 A25522 A25523	Basics of Operating Systems Core Java Programming Fundamentals of Computer Networks	3	0	0	3
7	A25586	Computer Networks & Operating Systems Lab	0	0	2	1
8	A25587	Web Technologies Lab	0	0	2	1
9	A25TP2	Personality Development & Behavioural Skills	2	0	0	1
Total			20	0	4	21

III Year – IISemester
(Fast Track Curriculum Scheme)

S. No.	Course code	Course Title	L	T	P	Credits
1	A26017	Managerial Economics and Financial Analysis	3	0	0	3
2	A26524	Compiler Design	3	0	0	3
3	A26525	Data Warehousing & Data Mining	3	0	0	3
4	A26526	Artificial Intelligence	3	0	0	3
5	A26527 A26528 A26529 A26530	ObjectOrientedAnalysis&Design Information Security Software Testing Methodologies Principles of Programming Languages	3	0	0	3
6	A26531 A26532 A26533	Database Management Systems Software Engineering Fundamentals Essentials of Python Programming	3	0	0	3
7	A26588	Data mining & Case Tools Lab	0	0	2	1
8	A26088	Advanced Communication Skills Lab	0	0	2	1
9	A26TP2 A26TP1	Quantitative Methods & Logical Reasoning/ Personality Development & Behavioural Skills	2	0	0	1

10	A28549	Semantic Web & Social Networks	3	0	0	3
Total			23	0	4	24

IV Year 1st Semester

S. No.	Course Code	Category	Course Title	L	T	P	Credits
1	A27534	PC-16	Mobile Application Development	3	0	0	3
2	A27535	PC-17	Cloud Computing	3	0	0	3
3	A27536 A27537 A27538 A27539	PE -3	Big Data Analytics Internet of Things R Programming Image Processing	3	0	0	3
4	A27540 A27541 A27542 A27543	PE-4	Distributed Systems Mobile Computing Semantic Web & Social Networks Machine Learning	3	0	0	3
5	A27544 A27545 A27546	OE	Web Design Introduction to IOT Fundamentals of Cyber Security	3	0	0	3
6	A27590	PC Lab	Mobile Application Development Lab	0	0	2	1
7	A27591 A27592 A27593 A27594	PE-4 Lab	Big Data Analytics Lab Internet of Things Lab R Programming Lab Image Processing Lab	0	0	2	1
8	A275P1	PW	Mini Project	0	0	0	3
Total number of Credits							20

IV Year IInd Semester

S. No.	Course Code	Category	Course Title	L	T	P	Credits
1	A28548	OE-2	E-Commerce	3	0	0	3
2	A28549	OE-3	Semantic Web and Social Networks	3	0	0	3
3	A285TS	PW	Technical Seminar	0	0	0	2
4	A285CV	PW	Comprehensive Viva Voce	0	0	0	2
5	A285P2	PW	Major Project	0	0	0	10
otal number of Credits							20

IV Year – I Semester
(Fast Track Curriculum Scheme)

S. No.	Category	Course Title	L	T	P	Credits
1	A27534	Mobile Application Development	3	0	0	3
2	A27535	Cloud Computing	3	0	0	3
3	A27536 A27537 A27538 A27539	Big Data Analytics Internet of Things R Programming Image Processing	3	0	0	3
4	A27540 A27541 A27542 A27543	Advanced Databases Block-Chain Technologies Information Retrieval Systems Machine Learning	3	0	0	3
5	A27544 A27545 A27546	Web Design Introduction to IOT Fundamentals of Cyber Security				
6	A27590	Mobile Application Development Lab	0	0	2	1
7	A27591 A27592 A27593 A27594	Big Data Analytics Lab Internet of Things Lab R Programming Lab Image Processing Lab	0	0	2	1
8	A275P1	Mini Project	0	0	6	3
9	A28548	E-Commerce	3	0	0	3
		Total	21	0	10	23

IV Year - II Semester
(Fast Track Curriculum Scheme)

S. No.	Category	Course Title	L	T	P	Credits
1	A285TS	Technical Seminar	0	0	4	2
2	A285CV	Comprehensive Viva Voce	0	0	4	2
3	A285P2	Major Project	0	0	20	10
		Total	0	0	28	14

2.1.3. State the Components of the Curriculum (5)

The curriculum offered by the Department of Computer Science and Engineering, is set in line with AICTE guidelines, comprising of the courses from Basic Sciences, Engineering Sciences, Humanities and Sciences, Core Computer Science Papers, Electives from various specializations, Management papers, Mini and Major Projects and Internships. The courses offered in 8 semesters spread over 4 years have been classified into 8 categories under Credit Based Choice System (CBCS) are shown in the below Table.

Course Component	Curriculum Content (% of total number of credits of the program)	Total number of contact hours	Total Number of credits
Humanities and Social Sciences (HS) Subjects, English, Management and the courses dealing with personality development	8.85	21	17
Basic Sciences (BS) Subjects including Mathematics, Physics and Chemistry	17.71	47.00	34
Engineering Sciences (ES), Engg. Workshop, Drawing, Fundamentals of computer Science and courses dealing with the basics of Electrical / Electronics/ Mechanical engineering	10.42	29	20
Professional Core (PC) Subjects, Courses dealing with the concerned engineering branch	42.19	106.00	81
Professional Elective (PE) Subjects. The students opt electives offered by the department	7.29	17.00	14
Open Elective (OE) Subjects. Courses offered by the other branches representing technically important subjects from emerging areas.	4.69	12	9
Project Work/ mini project.	6.77	15	13
Internship/Seminar	2.08	6.00	4
Mandatory Courses (MC)/Value added courses	0	7	Nil
Total No. of Credits			192

Table 2.1.3(a): Components of the curriculum for R15

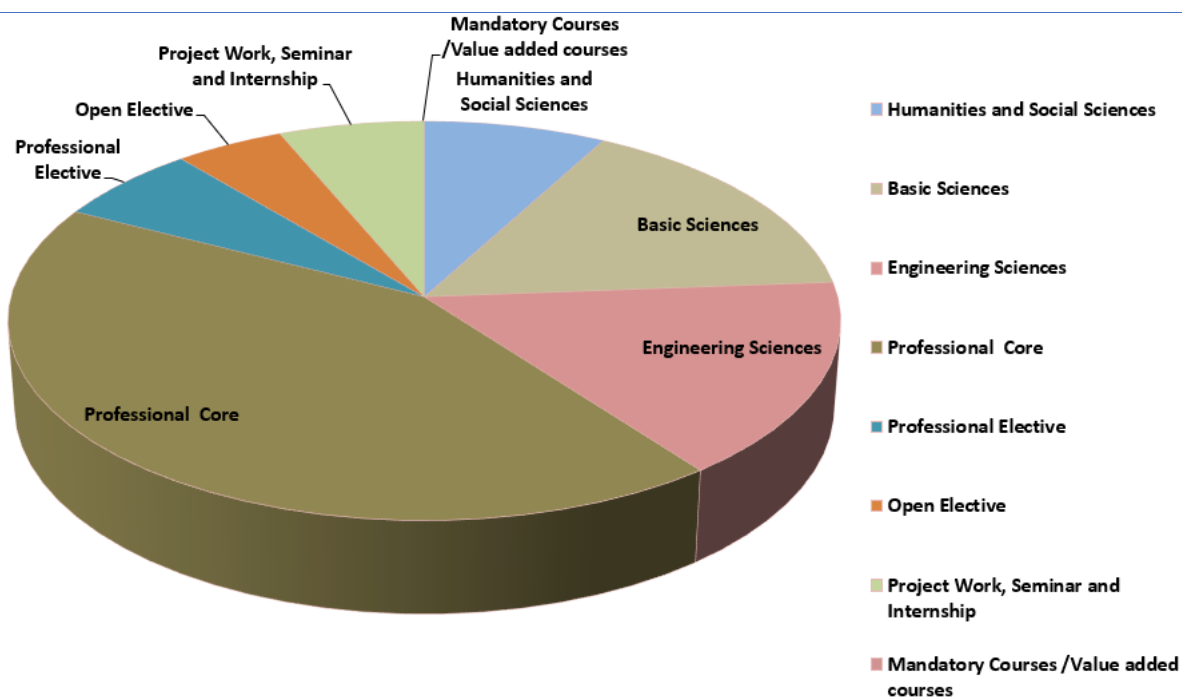


Figure 2.1.3 (a): Components of the curriculum for R15

Components of the Curriculum (R18 - Regulation)

Course Component	Curriculum Content (% of total number of credits of the program)	Total number of contact hours	Total Number of credits
Humanities and Social Sciences (HS) Subjects, English, Management and the courses dealing with personality development	6.25	18	10
Basic Sciences (BS) Subjects including Mathematics, Physics and Chemistry	13.75	25	22
Engineering Sciences (ES), Engg. Workshop, Drawing, Fundamentals of computer Science and courses dealing with the basics of Electrical / Electronics/ Mechanical engineering	13.75	29	22
Professional Core (PC) Subjects, Courses dealing with the concerned engineering branch	36.88	68	59
Professional Elective (PE) Subjects. The students opt electives offered by the department	11.88	20	19

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Open Elective (OE) Subjects. Courses offered by the other braches representing technically important subjects from emerging areas.	5.63	9	9
Project Work/ mini project.	9.34	20	15
Internship/Seminar	1.25	2	2
Mandatory Courses (MC)/Value added courses	1.25	4	2
Environment Science/ Gender sensitization/ Cyber law	0	4	0
Total No. of Credits			160

Table 2.1.3(b): Components of the curriculum (R18- Regulation)

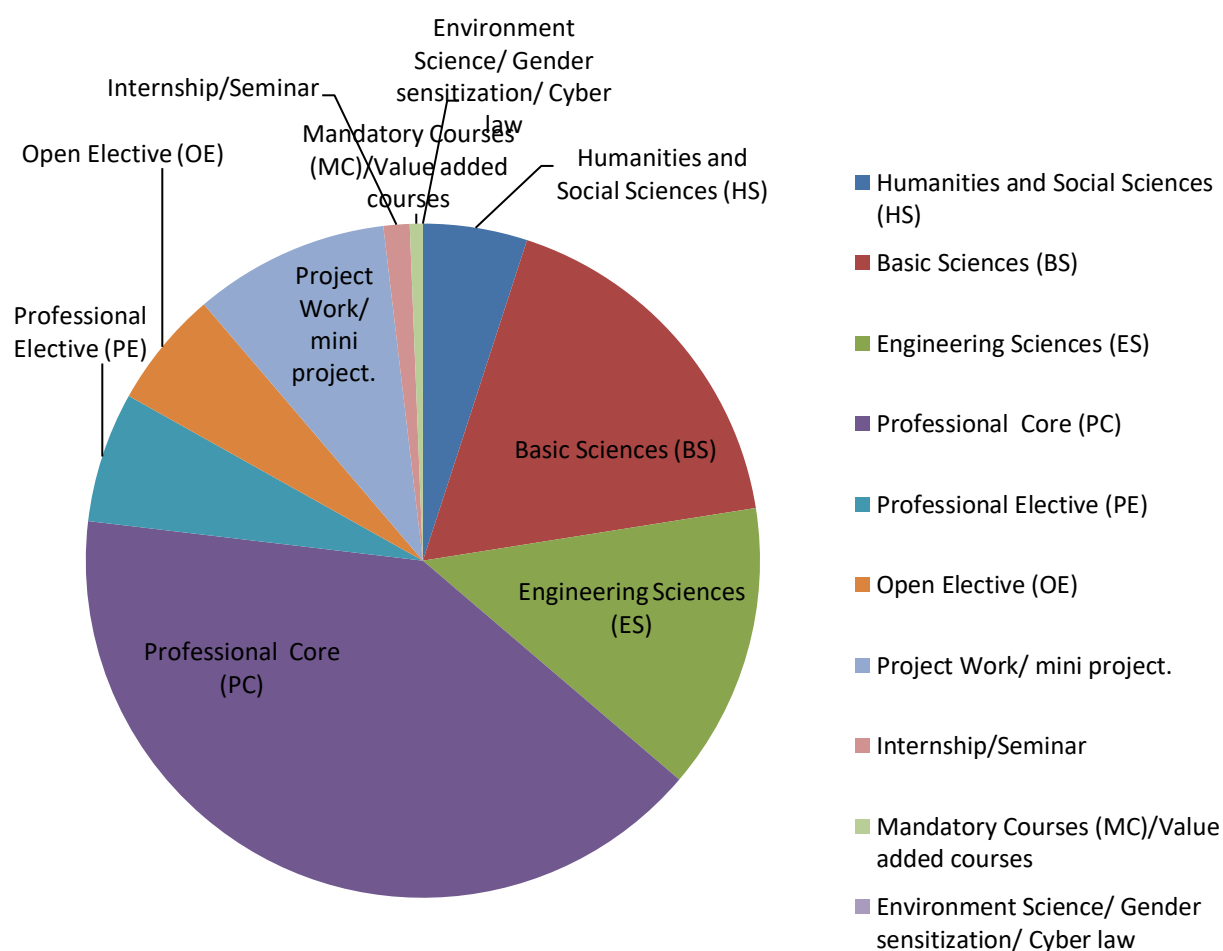


Figure 2.1.3(b): Components of the curriculum (R18 Regulation)

2.1.4. State the process used to identify extent of compliance of the curriculum for attaining the Program Outcomes (POs) and Program Specific Outcomes (PSOs)

The curriculum for B. Tech. in Computer Science and Engineering maintains a balance among various categories of courses from Science, Mathematics, Engineering, Humanities and Management, Projects, and Internship components. The syllabus for each course has been designed in compliance with the curriculum for attaining the POs and PSOs defined for the program.

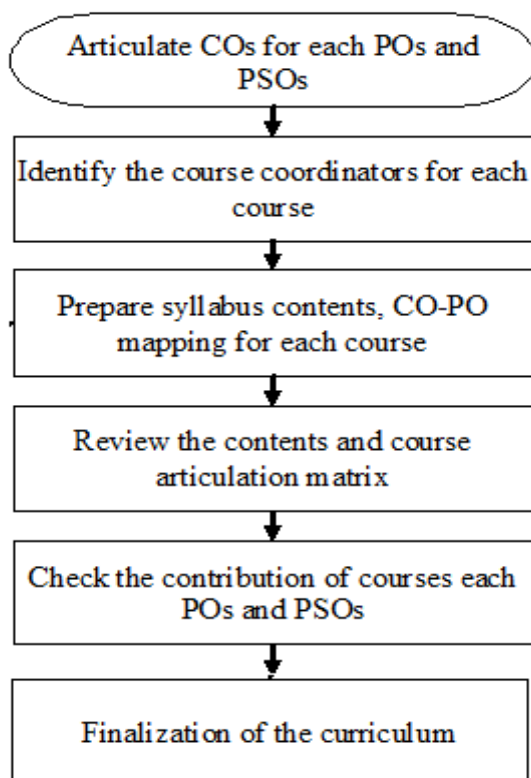


Figure 2.1.4: Process to identify extend of compliance of the curriculum for attaining the program outcomes and program specific outcomes

List of Program Outcomes (PO's):

PO1	Engineering Knowledge: Apply knowledge of mathematics and science, with fundamentals of Computer Science & Engineering to solve complex engineering problems.
PO2	Problem Analysis: Identify, Formulate, review research literature, and analyze complex engineering problems and reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
PO3	Design/Development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural societal and environmental considerations.
PO4	Conduct Investigations of Complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Modern Tool Usage: Create, Select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to computer science related complex engineering activities with an understanding of the limitations.
PO6	The Engineer and Society: Apply Reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues, and the consequent responsibilities relevant to the professional engineering practice.
PO7	Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.
PO8	Ethics: Apply Ethical Principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	Individual and Teamwork: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary Settings.
PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large such as able to comprehend and with write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	Project Management and Finance: Demonstrate knowledge and understanding of the engineering management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi disciplinary environments.
PO12	Life-Long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning the broadest context of technological change.

List of Program Specific Outcomes (PSOs)

PSO1	The ability to design and develop Algorithms to provide optimized solutions for societal needs.
PSO 2	Apply standard approaches and practices in Software Project Development through trending technologies.

Process used to identify extent of compliance of Curriculum for attaining POs and PSOs

- Program curriculum and syllabus is approved by Board of Studies and the assessment of the curriculum and syllabus is done by internal and external members.
- All courses of the program are mapped with the POs and PSOs along with their level of correlation: 1 (low), 2 (medium) and 3 (high).
- It is ensured that all POs/PSOs are adequately covered by the courses being taught and each course is mapped to highly correlation level with at least one PO. It also ensured that all POs/PSOs have high correlation with adequate number of courses.
- In the final curriculum, each of the POs/PSOs is mapped with the courses with high (3) correlation.
- Feedback from Students, Parents, Recruiters, Industry, and Alumni are taken for indirect assessment. From the direct and indirect assessment, POs and PSOs are calculated.
- The courses that are highly correlated with each of the POs and PSOs are shown in table

PO/PSO	Course mapped significantly
PO1	A11004, A11303, A12503, A12009, A12584, A12382, A13014, A13504, A13505, A13406, A13506, A13585, A13484, A14507, A14509, A14511, A14586, A14587, A15512, A15514, A15515, A15518, A15420, A15218, A15588, A16522, A16523, A16525, A16428, A16429, A16228, A16227, A16590, A17531, A17533, A17535, A17537, A17538, A17534, A17440, A17239, A17238, A17138, A17593, A17594, A17595, A18543, A18545, A185P2, A185CV, A185TS
PO2	A11303, A12503, A12009, A12584, A12382, A13014, A13504, A13505, A13585, A13483, A14507, A14509, A14511, A14586, A14587, A15512, A15515, A15420, A15588, A16525, A16428, A16429, A16228, A16590, A17531, A17535, A17537, A17538, A17534, A17440, A17239, A17238, A17593, A17594, A17595, A18545, A185P2, A185CV, A185TS
PO3	A11303, A12503, A12584, A13504, A13505, A13585, A13483, A14507, A14509, A14511, A14586, A14587, A15420, A15588, A16522, A16523, A16525, A16428, A16429, A16228, A16590, A17531, A17533, A17535, A17537, A17538, A17534, A17440, A17238, A17593, A17594, A17595, A18545, A185P2, A185CV, A185TS
PO4	A11303, A12503, A13504, A13505, A13585, A13483, A14511, A14586, A15420, A15218, A15588, A16523, A16526, A16428, A16590, A17531, A17535, A17537, A17538, A17534, A17440, A17593, A17594, A17595, A18545, A185P2, A185CV, A185TS
PO5	A13505, A13585, A13483, A14511, A14586, A16525, A16428, A16429, A16590, A17531, A17533, A17535, A17537, A17538, A17440, A17593, A17594, A17595, A18545, A185P2, A185CV, A185TS
PO6	A16525, A16590, A17535, A17440, A17594, A185P2, A185CV, A185TS
PO7	A14587, A16428, A16429, A17535, A17594, A185P2, A185CV, A185TS
PO8	A17538, A185P2, A185CV, A185TS
PO9	A14511, A14586, A16428, A16429, A17531, A17533, A17535, A17537, A17538,

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	A17593, A17594, A17595, A18543, A185P2, A185CV, A185TS
PO10	A11303, A14507, A16428, A16429, A17531, A17533, A17535, A17593, A17594, A18543, A185P2, A185CV, A185TS
PO11	A16525, A185P2, A185CV, A185TS
PO12	A13504, A13585, A13483, A14507, A15420, A16523, A16525, A16428, A16429, A16590, A17531, A17533, A17535, A17440, A17593, A17594, A18543, A16525, A185P2, A185CV, A185TS
PSO1	A11581, A12503, A13504, A13505, A13406, A13506, A13585, A14507, A14508, A14510, A14511, A14586, A14587, A15512, A15513, A15514, A15518, A15588, A15089, A16522, A16523, A16526, A16525, A16526, A16589, A16590, A17531, A17532, A17533, A17535, A17537, A17538, A17534, A17593, A17593, A17594, A179595, A18543, A18544, A18545, A185P2, A185CV, A185TS, A14509
PSO2	A13504, A13505, A13406, A13506, A13585, A14508, A14509, A14510, A15514, A15588, A15518, A15588, A15089, A16522, A16523, A16525, A16526, A16590, A17531, A17532, A17533, A17535, A1735, A17537, A17538, A17534, A17593, A17594, A179595, A18543, A18544, A18545, A185P2, A185CV, A185TS

Table 2.1.4.(c): POs/PSOs Vs R15 Courses Mapped with High Correlation

2.2. Teaching-Learning Processes (70)

2.2.1. Describe Processes followed to Improve Quality of Teaching & Learning (15)

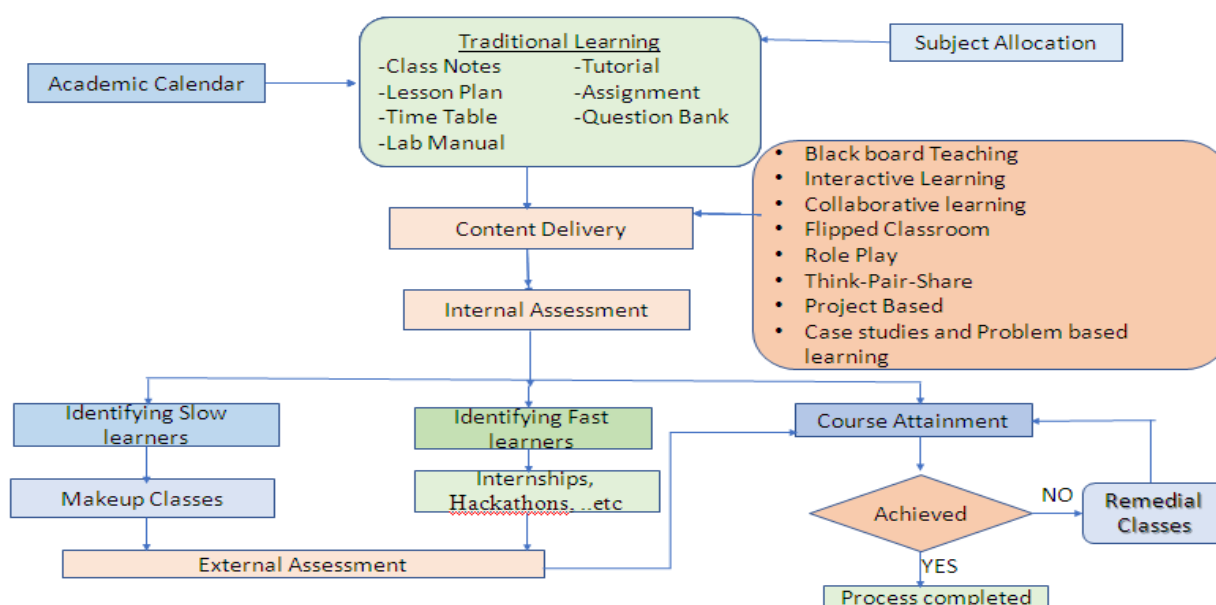


Figure 2.2.1(a): Teaching learning process

Teaching & learning process is implemented to achieve the POs, PSOs, and PEOs. Apart from classroom teaching various co-curricular activities are introduced to strengthen the student skills.

The following procedures are implemented in the department.

1. Adherence to Academic Calendar
 - i. Preparation of academic action plans/Lesson Plan
2. Use of various instructional methods & pedagogical initiatives
3. Methodologies to support weak students & encourage bright students.

- i. Mentoring System
- ii. Identification of Weak Students / Fast Learners
- iii. Action Taken
4. Quality of classroom teaching
5. Conduct of Experiments:
6. Continuous Assessment in Laboratories
7. Student feedback and Action taken

1. Adherence to Academic calendar: As per the academic calendar schedule issued by Institute, we strictly follow the academic calendar for the semester I and II for all the 4 years. From the Institute calendar of events department calendar of events is derived which is specific to the department.



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II/III/IV B.Tech I & II Semester Academic Calendar for the Academic Year 2019-20			
II/III/IV YEAR I SEMESTER		Commencement of Class Work 17.06.2019	
	From	To	Duration
I Spell of Instruction	17.06.2019	10.08.2019	8 WEEKS
I Mid Examinations	13.08.2019	17.08.2019	4 DAYS
II Spell of Instruction	19.08.2019	05.10.2019	7 WEEKS
Dussehra Holidays	07.10.2019	12.10.2019	1 WEEK
II Spell of Instruction Continuation	14.10.2019	19.10.2019	1 WEEK
II Mid Examinations	21.10.2019	24.10.2019	4 DAYS
Practical Examinations	25.10.2019	29.10.2019	4 DAYS
Betterment Examinations	30.10.2019	01.11.2019	3 DAYS
End Semester Examinations	02.11.2019	18.11.2019	2 WEEKS
Supplementary Examinations	19.11.2019	04.12.2019	2 WEEKS
II/III/IV YEAR II SEMESTER		Commencement of Class Work 02.12.2019	
I Spell of Instruction	02.12.2019	10.01.2020	6 WEEKS
Pongal Holidays	11.01.2020	15.01.2020	5 DAYS
Technical/Sports fest	16.01.2020	18.01.2020	3 DAYS
I Spell of Instruction Continuation	20.01.2020	01.02.2020	2 WEEKS
I Mid Examinations	03.02.2020	08.02.2020	1 WEEK
II Spell of Instruction	10.02.2020	04.04.2020	8 WEEKS
II Mid Examinations	06.04.2020	09.04.2020	4 DAYS
Practical Examinations	13.04.2020	17.04.2020	4 DAYS
Betterment Examinations	18.04.2020	22.04.2020	4 DAYS
End Semester Examinations	23.04.2020	08.05.2020	2 WEEKS
Supplementary Examinations	11.05.2020	23.05.2020	2 WEEKS
Commencement of classes will be from			
 DIRECTOR			

Figure 2.2.1(b): II, III and IV Year B. Tech. Academic Calendar 2019-2020

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II/III/IV B.Tech I & II Semester Academic Calendar for the Academic Year 2018-2019			
II/III/IV YEAR I SEMESTER		Commencement of Class Work 02.07.2018	
	From	To	Duration
I Spell of Instruction	02-07-2018	28-08-2018	8 Weeks
I Mid Examinations	29-08-2018	01-09-2018	4 Days
II Spell of Instruction	03-09-2018	12-10-2018	6 Weeks
Dussehra Holidays	13-10-2018	21-10-2018	9 Days
II Spell of Instruction Continuation	22-10-2018	03-11-2018	2 Weeks
II Mid Examinations	05-11-2018	10-11-2018	4 Days
Preparation & Practical Examinations	12-11-2018	21-11-2018	1 Week
End Semester Examinations	22-11-2018	10-12-2018	2 Weeks
Supplementary/ Semester Break	11.12.2018	16.12.2018	1 Week
II/III/IV YEAR II SEMESTER		Commencement of Class Work 17.12.2018	
I Spell of Instruction	17.12.2018	12.02.2019	8 Weeks
I Mid Examinations	13.02.2019	16.02.2019	4 Days
II Spell of Instruction	18.02.2019	13.04.2019	8 Weeks
II Mid Examinations	15.04.2019	18.04.2019	4 Days
Preparation & Practical Examinations	20.04.2019	27.04.2019	1 Week
End Semester Examinations	29.04.2019	15.05.2019	2 Weeks
Supplementary/ Summer Vacation	16.05.2019	30.06.2019	6 Weeks
Commencement of classes will be from 01.07.2019			
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Figure 2.2.1(c): II, III and IV Year B. Tech. Academic Calendar 2018-2019

2. Use of Various instructional methods and pedagogical initiatives:

Pedagogies play an important role in delivering of content and it varies with the audience. Course allocation is made based on the choice/ expertise of the faculty members one month before the commencement of semester. Once the courses are allocated, the faculty members prepare a detailed course plan and assignments questions for a particular course. Course handout and materials are prepared keeping in mind the lesson plan and course outcomes. Faculty members use various pedagogical methods for effective teaching learning process. A

well-defined process for course allotment and load distribution is adopted at the department level.

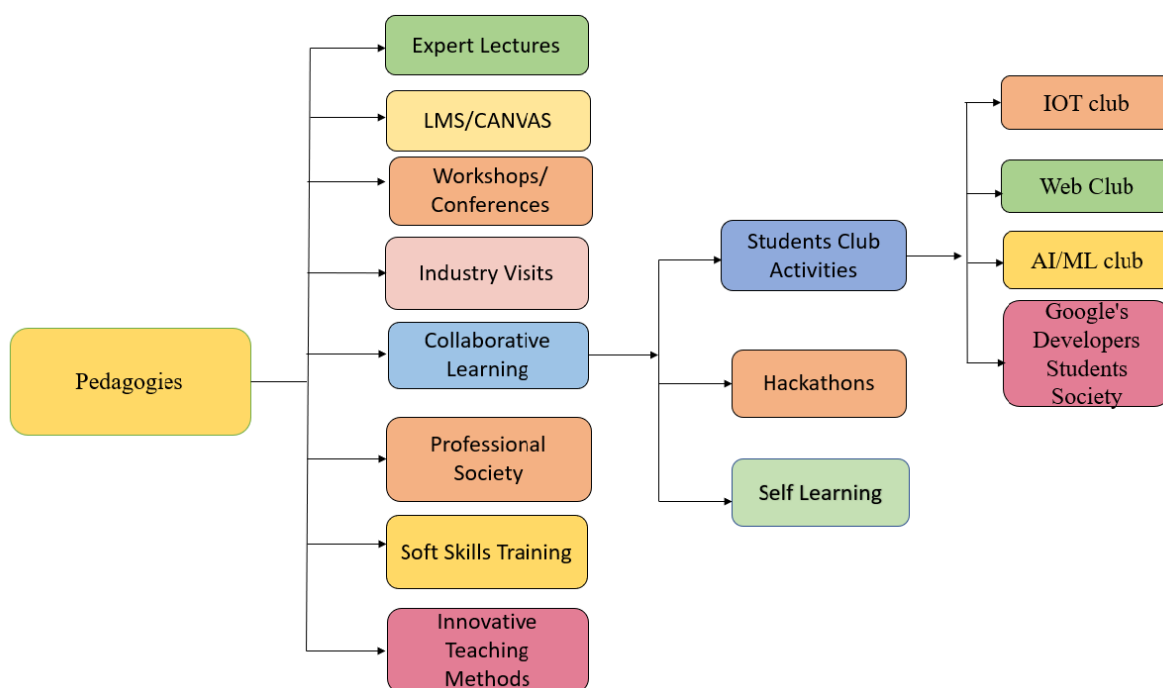


Figure 2.2.1(d): Pedagogical Initiatives

Course Delivery Methods

Classroom teaching:

The lecture delivery by the faculty is through a set of educational technology tools such as,

- Chalk and talk - green/black board.
- Power Point Presentation (PPT).
- Animated videos
- Citing real world examples for application-based courses.
- Case studies
- Project based Learning
- Digital library enables real time learning, monitoring, comprehension, and Quiz
- Automation tool for Student data management CANVAS
- Group discussions/tasks
- Internship
- Co-Curricular activity
- Workshops
- Expert talk
- Access to study material in e-resources

- Use of Open-Source Software.

ICT based learning: Use of LCD projectors / Smart boards and provision for interactive teaching-learning.

Collaborative / Cooperative teaching/ learning: Students share knowledge or discuss topics in small groups or in peer mode.

NPTEL and SWAYAM: The faculty members are using E-sources such as NPTEL and SWAYAM courses for effective teaching. The same is provided to the students in order to develop self-learning and life-long learning skills.

Assignments based problem solving: Assignments are given to students are solved by themselves. These assignments are based on COs which help to achieve Program Outcomes.

Expert Lecture:

Department, with the prime vision of enhancing technical competency of our students, has organized various guest lectures by inviting experts from Industry and Academia to lend valuable guidance on latest technical drive, industry expectations and avenues for knowledge enhancement. (Refer Table 2.2.4(d),2.2.4(e),2.2.4(f))

Industrial Visits

Industrial visits are arranged to get the students acquainted with industrial environment and work ethics (Refer Table 2.2.5(d))

Internship

At the end of every semester or during vacation, students are allowed to carry out internship in reputed industries/companies to get practical exposure from industries. It helps the students to bridge the gap between the subjects and industrial needs (Refer Table 2.2.5(g), 2.2.5(h), 2.2.5(i))

Department symposia / conference

International Conference:

The department organizes conference/department symposia every year to enrich the knowledge of students. This provides a platform for both the faculty and students to share their knowledge and to hold discussion with eminent people from both academia, industry and also with their peers. These events help the students to acquire soft skills.



**Figure 2.2.1(e): Release of Conference proceedings
International conference on Computational Intelligence and Data Engineering
(ICCIDE-2019) During 4th – 6th July 2019**

International Conference on “Computational Intelligence and Data Engineering (ICCIDE)” was held from 4th- 6th, July 2019. The Chief Guest, Dr. Krishna Vedula, Founder & Executive Director, IUCEE. Guest of Honors, Dr. Deepak Gar, Research Dean, Bennet University and Dr. Uma Shankar, Professor, Princeton University Patron-Dr. P. Venu Gopal Reddy, Director, VJIT, Patron Dr. A. Padmaja, Principal, VJIT, Conference Chair-Dr. B. Vijayakumar, Prof & HOD-CSE and Conference Convener-Dr. D. Aruna Kumari inaugurated ICCIDE- 2019 by lighting a lamp.

More than 200 research papers were received from different states across the country. After careful scrutiny and review by the experts of review committee, 51 papers got selected and published in Scopus Indexed journals and 42 papers got selected in UGC approved journals. Conference proceeding was released by the eminent guests during the inaugural session.



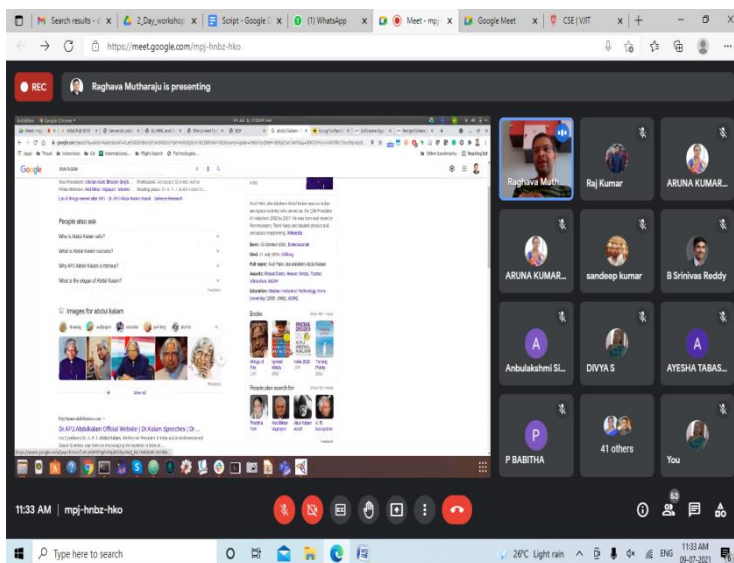
Figure 2.2.1(f): Chief Guest lighting the lamp

Chief Guest- Dr.KrishnaVedula, Founder & Executive Director, IUCEE lighting the lamp

Workshops

Department organizes at least two workshops per academic year to facilitate the students with hands-on training in specific domain.

- These workshops enable students to learn and realize latest technologies.
- The students get a platform to exhibit their ideas and implement them in reality.



Explaining Semantic checks in Google, shared some working tool links like icd-cloud.net, <https://kracr.iiitd.edu.in/>

-Dr. Raghava Mutharaju

Figure2.2.1(g): Workshop on “Computational Intelligence and Blockchain Technology”

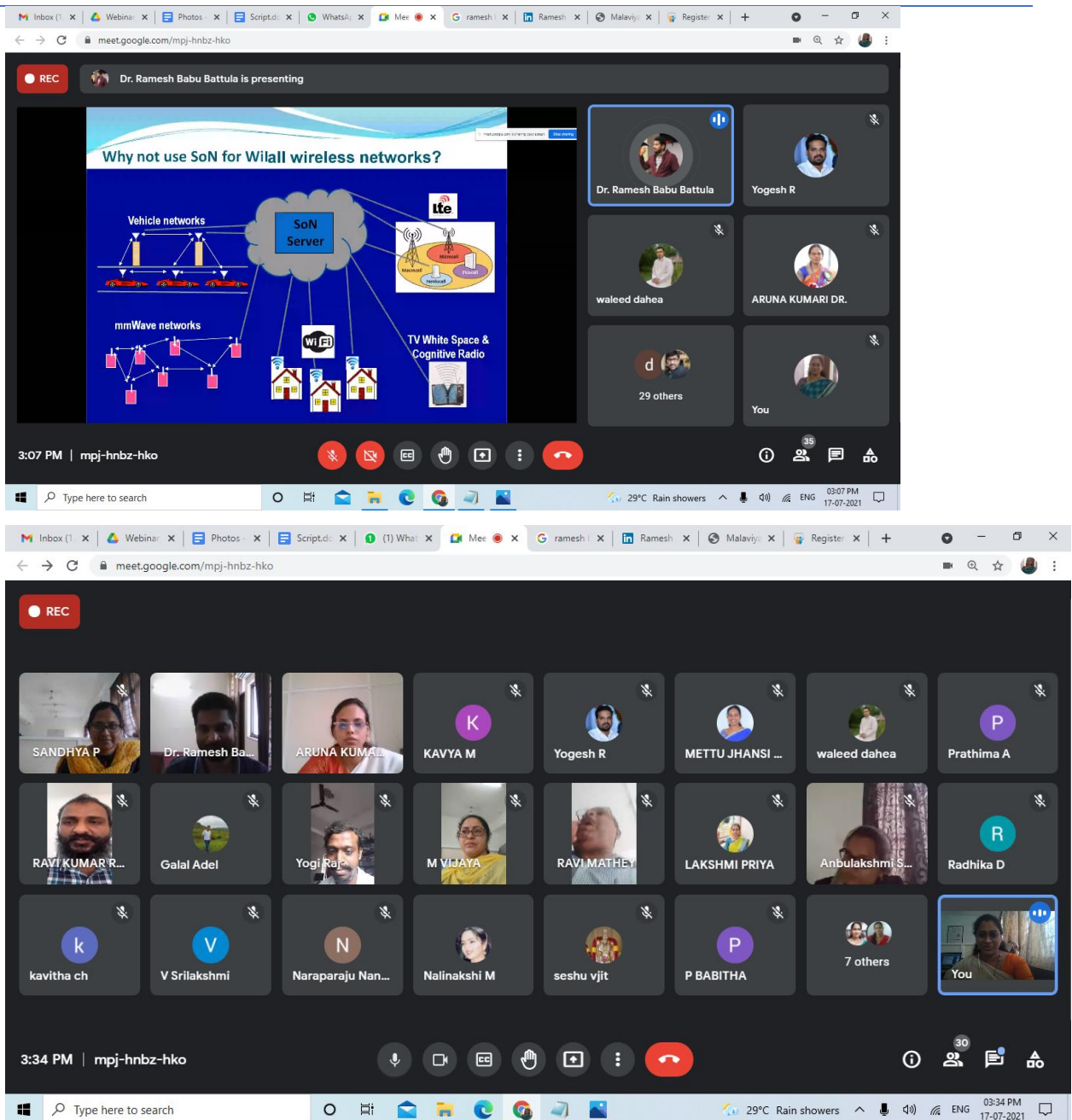


Figure 2.2.1(h): Workshop on “Next Generation Networks”

Innovative Teaching Methods

- Interactive Learning
- Collaborative learning
- Flipped Classroom
- Role Play
- Think-Pair-Share
- Project Based
- Case studies and Problem based learning
- MOODLE- Modular Object-Oriented Dynamic Learning Environment

i) Interactive Learning: Interactive Learning is a pedagogical approach that incorporates social networking and urban computing. Interactive Learning has evolved for the use of digital technology and virtual communication, particularly by students.

ii) Collaborative learning: This approach actively engages learners to process and synthesize information and concepts, rather than using rote learning of facts and figures. Learners work with each other on projects, where they must collaborate as a group to understand the concepts being presented to them.

iii) Flipped Classroom: A flipped classroom is a type of blended learning where students are introduced to content at home and practice working through it at school. This is the reverse of the more common practice of introducing new content at school, then assigning homework and projects to be completed by the students independently at home.

iv) Role Play: Role-play is a technique that allows students to explore realistic situations by interacting with other people to try different strategies in a specific environment.

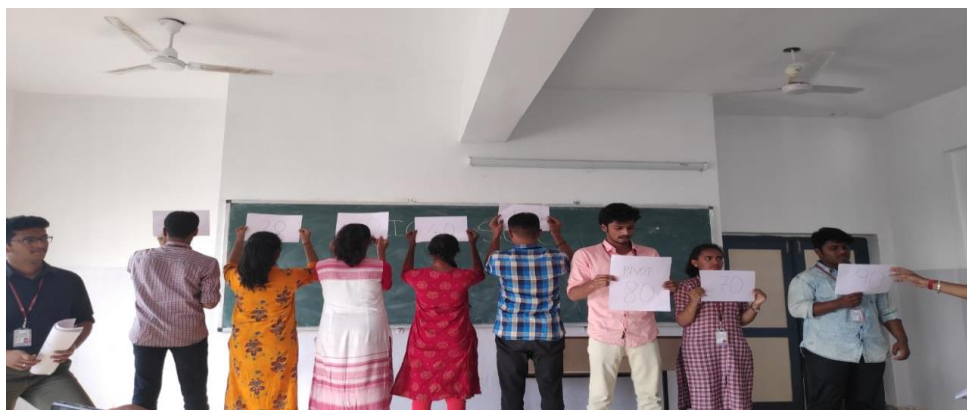


Figure 2.2.1(i):Sorting

v)Think-Pair-Share: Think-pair-share (TPS) is a collaborative learning strategy where students work together to solve a problem or answer a question about an assigned reading. This strategy requires students to (1) think individually about a topic or answer a question; and (2) share ideas with classmates. Discussing with a partner maximizes participation, focuses attention, and engages students in comprehending the reading material.



Figure 2.2.1(j): Context model on Software development life cycle

vi) **Project Based:** Project Based Learning (PBL) is a teaching method in which students learn by actively engaging in real-world and personally meaningful projects.

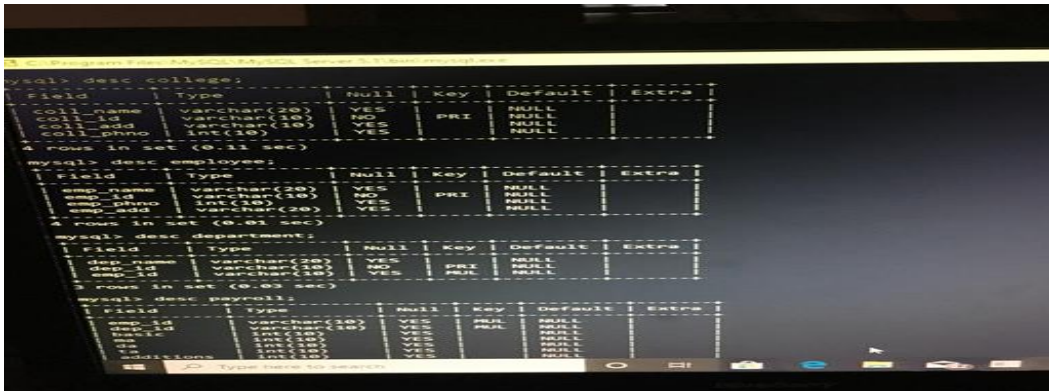


Figure 2.2.1(k): Employee Management system

Learning Management System- CANVAS

LMS/CANVAS

- Canvas LMS from Instructure is a cloud-based learning management system (LMS)
- It is a course management system that supports online learning and teaching
- It is an open-sourced cloud-based application designed to empower both teachers and students by making an engaging learning environment available to them.
- Canvas tools **enhance teaching power and the students' learning experience**, saving more time and effort, and allowing greater focus on other priorities
- Canvas LMS offers **easy-to-use and customizable teaching and learning experience**
- Canvas LMS is an **excellent tool to organize learning**. It is based on three main components, including a Dashboard, a high-level overview of top courses, and a Global navigation menu that provides access to the main features of the LMS

- Canvas Common is another main highlight of the platform. It is a learning object repository where educators can **supplement their classes with quizzes, modules, and courses**. They can create discussions and documents in the repository. This feature provides educators with a fast track to course creation. Commons can also be used as a platform to share content within an institution
- The best highlight of Canvas LMS is its Modules feature. This feature helps organize course content into units. Educators can stipulate prerequisites for modules in sequence. Students can't see a course or unit until they unlock their prerequisites
- Quiz Feature helps educators to **take a quiz or assign an exam** to any student if they require it at any place. Quizzes can be graded or ungraded, time-constraints, or self-paced, with long descriptive answers or multiple choices with true or false, etc.
- Gradebook is a feature that helps educators and administrators to grade students based on their assignments. The Grades can be imported or exported manually as well as automatically in a CSV file through Student Information System integration

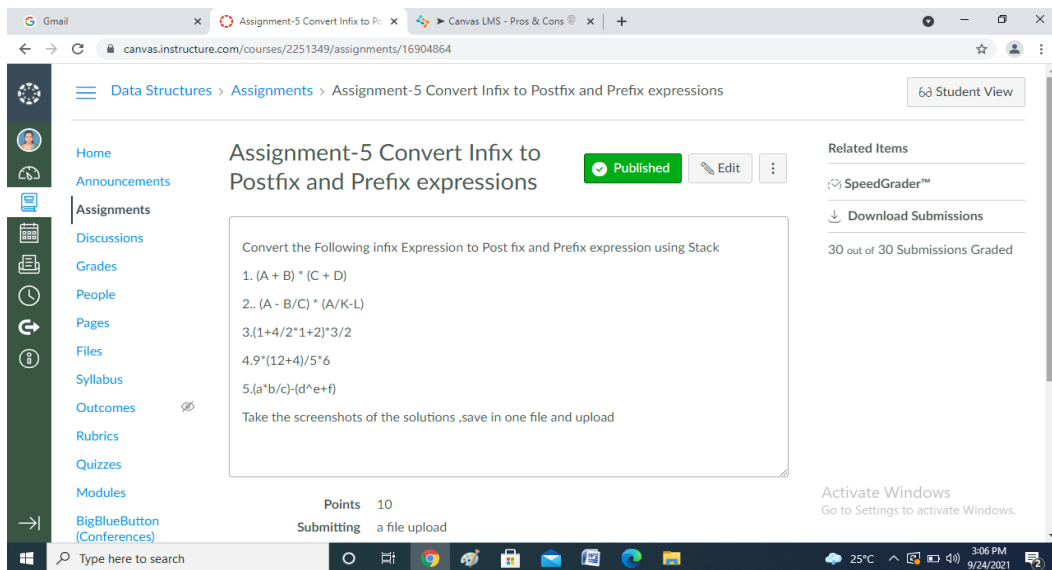
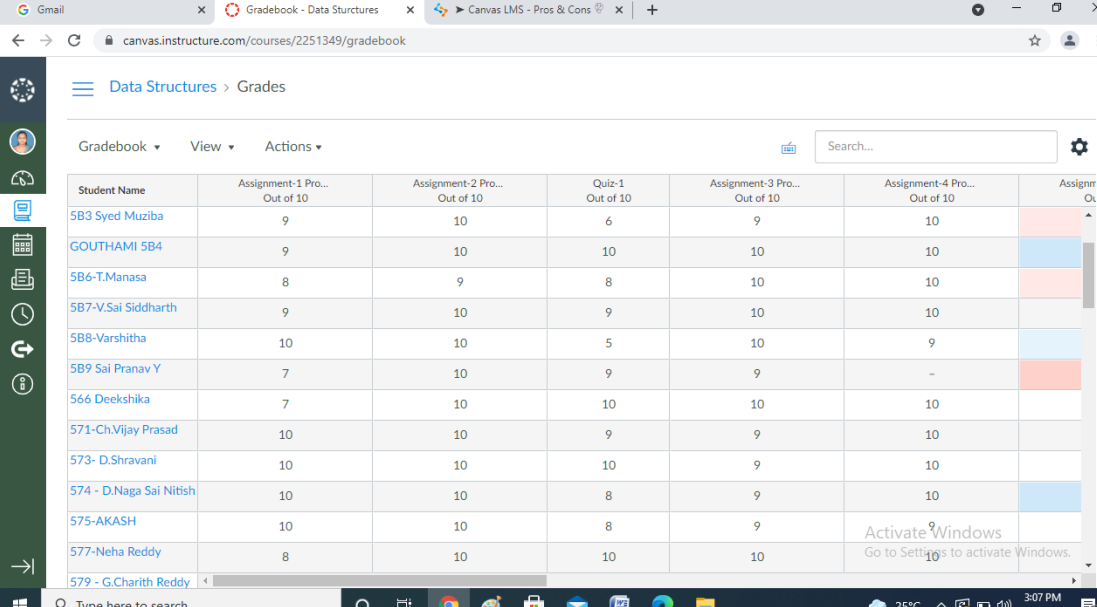


Figure 2.2.1(l): Assignment Given to the Students in LMS

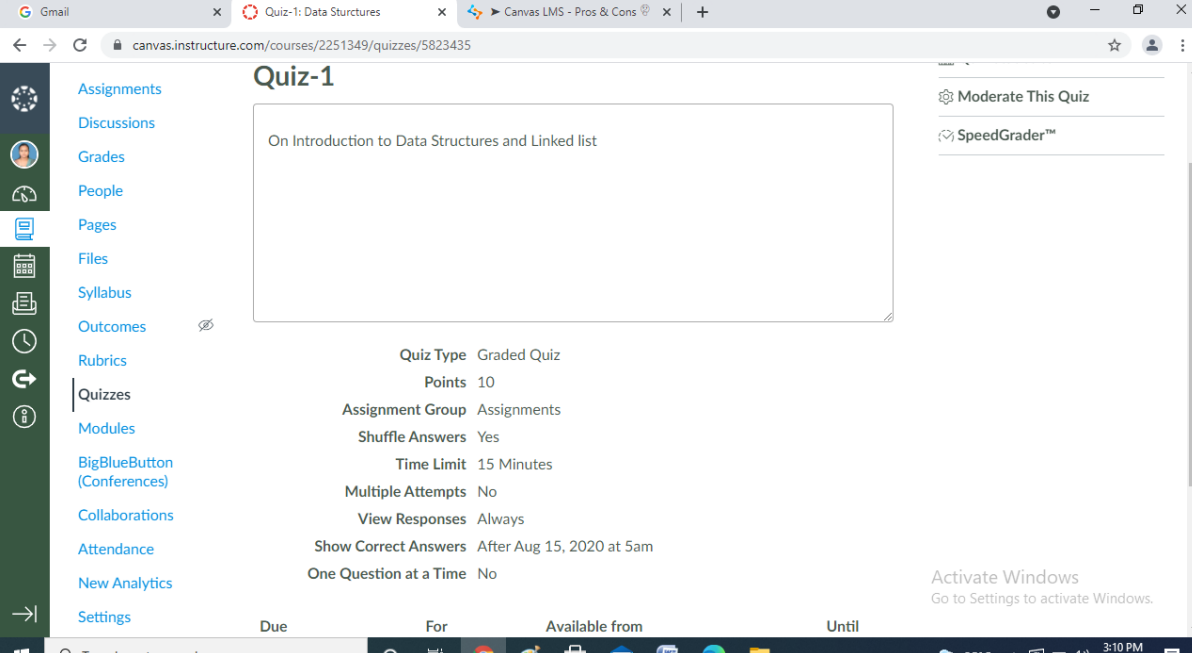
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The screenshot shows the Canvas LMS Gradebook for the course 'Data Structures'. The table lists student names and their scores for five assignments and one quiz. The scores are out of 10 for each item.

Student Name	Assignment-1 Pro... Out of 10	Assignment-2 Pro... Out of 10	Quiz-1 Out of 10	Assignment-3 Pro... Out of 10	Assignment-4 Pro... Out of 10	Assignment-5 Pro... Out of 10
5B3 Syed Muziba	9	10	6	9	10	
GOUTHAMI 5B4	9	10	10	10	10	
5B6-T.Manasa	8	9	8	10	10	
5B7-V.Sai Siddharth	9	10	9	10	10	
5B8-Varshitha	10	10	5	10	9	
5B9 Sai Pranav Y	7	10	9	9	-	
566 Deekshika	7	10	10	10	10	
571-Ch.Vijay Prasad	10	10	9	9	10	
573- D.Shravani	10	10	10	9	10	
574 - D.Naga Sai Nitish	10	10	8	9	10	
575-AKASH	10	10	8	9	9	
577-Neha Reddy	8	10	10	10	10	
579 - G.Charith Reddy						

Figure 2.2.1(m): Assignments Graded in LMS



The screenshot shows the Canvas LMS Quiz-1 interface. The quiz is titled 'Quiz-1' and is located in the 'Data Structures' course. The quiz content is 'On Introduction to Data Structures and Linked list'. The quiz settings are as follows:

Setting	Value
Quiz Type	Graded Quiz
Points	10
Assignment Group	Assignments
Shuffle Answers	Yes
Time Limit	15 Minutes
Multiple Attempts	No
View Responses	Always
Show Correct Answers	After Aug 15, 2020 at 5am
One Question at a Time	No

Figure 2.2.1(n): Quiz Conducted to the Students in LMS

Effective delivery of the course:

1. Course File
2. Course Content management and delivery using CANVAS

S.NO.	DESCRIPTION
1	Syllabus
2	Text Book & Other References
3	Time Table
4	Program Outcomes (PO's) ,Program Specific Outcomes (PSO's) &PEO's
5	Mapping Of Course Outcomes (CO's) With Program Outcomes (PO's) & Program Specific Outcomes (PSO's)
6	Academic Calendar
7	Course Schedule
8	Lesson Plan
9	Assignment Questions
10	Mid I & Mid II Question Papers
11	Unit Wise Questions
12	Minutes of Course Review Meeting
13	Lecture Notes
14	Power Point Presentation
15	Semester End Question Papers
16	Extra Topics Delivered (if any)
17	Innovations In Teaching and Learning
18	Assessment Sheet – Co Wise (Direct Attainment)
19	Course End Survey Form

Table 2.2.1 (d) Course File Index

Hackathons: Department of Computer Science & Engineering has organized a two day Hackathon through J-Hub on 2nd & 3rd February 2019. The theme covered: Agriculture, Block Chain, health Management, and smart innovation. Students from various engineering colleges have participated in this hackathon as teams of five members. Three winning teams have been selected to participate at the Central Hackathon which was conducted by J-Hub during February/March 2019 for the 45 winning teams from all local hackathons to identify the Top 20 innovators. All participants and winners received certificates from VJIT along with cash prizes and medals.



Figure 2.2.1(o): Hackathons

3. Methodologies to support weak students and encourage bright students:

Faculty members identify the list of slow and fast learners of their respective courses. Broadly, the identification is based on students' assessment. Students are also assessed through lectures and lab sessions, assignments, MID I and MID-II result. Identified slow learners, fast learners and the remedies adopted are presented below.

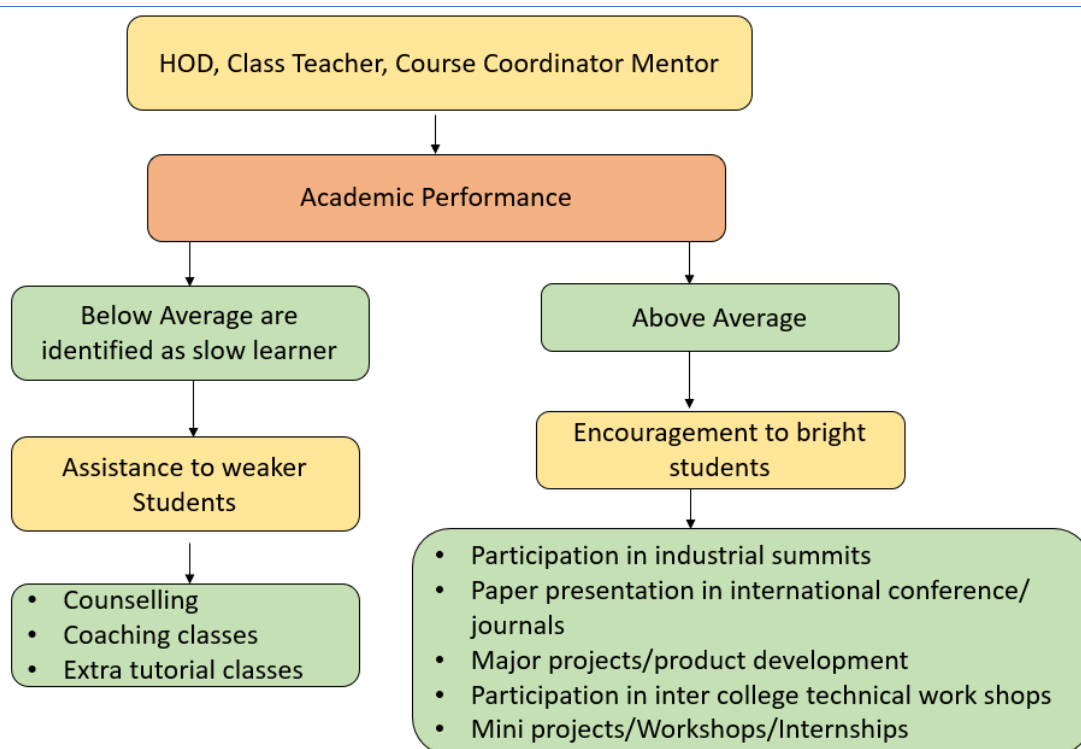


Figure 2.2.1(p): Process to identify and support weak students and encourage bright students

Category of learners	Method of categorization	Remedies adopted for students
Slow learners	Percentage < 60%	<ul style="list-style-type: none"> • Mentors regularly monitor the progress and counsel them to attend the classes regularly. • Intimate parents about the progress of their wards. • Conduct extra classes • Conduct makeup classes.
Fast learners	Percentage ≥ 60%	<ul style="list-style-type: none"> • Extra assignment to enhance complex problem-solving skills. • Special guidance to publish papers and carry out innovative projects • Initiate fast track program (FTP) to complete the B. Tech. Program • Students are encouraged to be members of professional bodies like ISTE and CSI

Table 2.2.1 (e) Category of learners

Outcomes of action taken for slow learner students:

Based on the extra care/ initiatives taken for slow learners, the academic performance is improved. Based on the action taken, the academic performance is improved but and are also recruited.

Encourage slow learners:

- Active involvement of students in coaching classes
- More number of online courses were completed by students
- Supplemented with lecture notes
- More number of students have undergone internship in industries at national level

Encouragement to fast learners:

Students are motivated for attending workshops, seminars, paper presentation and paper publication

- Students securing first and second ranks in every Academic year are awarded with Mementos and cash prize
- Students are encouraged to undergo internships
- Students are encouraged to participate in both intra and inter collegiate competitions and Hackathons
- Advanced learners are motivated to lead and participate in the IoT club, Web Club, Android club, AI/MLclub, CSI, ISTE and ACM Chapters
- Self learning through Google's Developers Students Society (DSS)
- Students with a flair for entrepreneurship are given training in Entrepreneurial Startups assisting them to initiate their endeavors during their under-graduation period.

4. Quality of classroom teaching:

Quality of teaching is a very important factor for quality learning. The following aspects are considered to ensure a good quality classroom teaching:

- Classroom ambience is made interactive
- Real components and models are taken by the faculty to the classroom to demonstrate the concepts in a clearly to the students.
- Real time examples are cited in the form of videos.

- Complex tutorial problems are solved in the classrooms by the faculty and students together.
- Principal, Director and Head of Department regularly visit classes to observe the teaching process and convey their suggestions and appreciations to the faculty.
- Quality of content delivery in live lectures is evaluated randomly by visiting ongoing lectures.
- Head of the Department and a few selected senior faculty visit the classes for evaluation of quality content delivery in prescribed format. The evaluation parameters broadly include the plan of presentation, communication skills, delivery methods and awareness of students. Based on evaluation report, necessary feedback is given to the faculty to improve the quality of lectures. The format for evaluation of classroom teaching is given below.



Figure 2.2.1(q): Classroom Teaching

Format for assessment of classroom teaching

Evaluation sheet for classroom teaching							
Name of the faculty being assessed		Course					Semester/year
Sl.no	Teaching Pedagogy	Assessment Grade					Date & time
		Excellent	Good	Satisfactory	Concern	Weak	Remarks/ Comments
		5	4	3	2	1	
1	Communication skills						
2	Illustration and use of relevant examples						
3	Real life examples or connected topics to life problems (inter lecture linking)						

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4	Remain focused on lecture topic with enthusiasm						
5	Use of pedagogical initiatives						
6	Carrying short notes on lecture materials in the class and encourage note taking but not dictating.						
7	Summary and conclusion at the end of the lecture						
8	Voice modulation & Pronunciation						
9	Avoid too much repetition of contents						
10	Starts on time and ends on time						
11	Broadcasting students' questions/opinion when not audible.						
Overall grade							
Excellent		Faculty adopts the teaching pedagogy which is unique or can be adopted by others					
Good		Faculty adopts teaching pedagogy among the better/best used by others					
Satisfactory		Faculty uses teaching pedagogy however better pedagogy is still expected to be adopted					
Concern		Faculty uses teaching pedagogy but needs much improvement in its use					
Weak		Faculty hardly uses teaching pedagogy and needs to learn how improve teaching pedagogy					
Name and Signature of the member							

Table 2.2.1 (c) Metrics for classroom teaching

5. Conduct of Experiments:

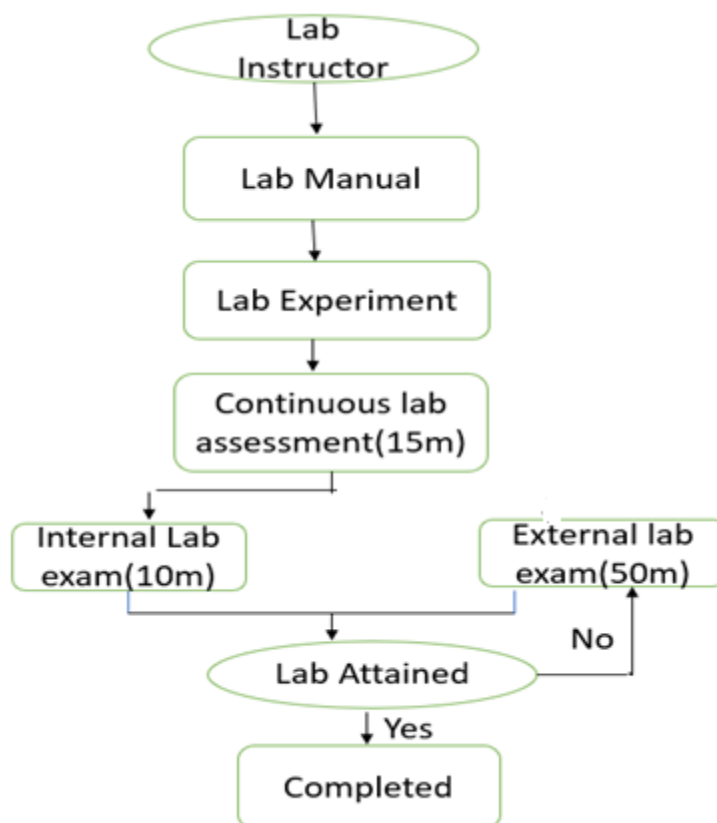


Figure 2.2.1(r): Process for conduction lab experiments

Curriculum stipulates 2 laboratory courses per semester from 1st to 8th semester. Students execute more than the required number of experiments, beyond the minimum specified by the Institute. All laboratories have excellent facilities, both hardware and software. Detailed instruction manuals are provided in the labs. The observations are checked and record books are maintained systematically which are verified by faculty. Two faculty members and one instructor is assigned for each practical class. Students are assessed in the laboratories through Continuous Evaluation process during each lab session.

6. Continuous Assessment in laboratory:

Continuous assessment system is also implemented for assessment of laboratory work. The assessment is done based on submission of laboratory records, understanding of the experiment through oral viva voce questions and participation in performing the experiment.


Each laboratory class teacher maintains the day-to-day evaluation records of students' performance. For all UG laboratory courses, the internal evaluation of practical courses is for 25marks, out of 25 marks the day-to-day assessment is for 15 marks & lab internal for 10 marks. The end semester lab examination is for 50 marks.

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S.No	Ht.No	Observation (5M)	Completion of Experiment (10M)	Viva (5M)	Record (5M)	Total Marks (25M)	Calculated to 15M

Note: Internal assessment is evaluated for 25 marks and reduced to 15 marks

Table 2.2.1 (d) Laboratory Assessment Sheet



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)
(Accredited by NAAC, NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)
Aziznagar Gate, C.B. Post, Hyderabad-500 075

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Continuous Lab Assessment sheet

Academic year: 2019-20 Regulation: R18 Year/sem/ Section: II / II / A
 Course name: DBMS Course code: A22302 Date: 2/3/20

S.NO	HNO	Week1	Week2	Week3	Week4	Week5	Week6	Week7	Week8	Week9	Week10	Week11	Week12	Week13	Week14	Week15	Week16	Reduced to 15	Internal Marks 10	Total 25
1	1811A0501	A	15	14	15	15	15	15	14	15	15							15	7	22
2	2	15	15	15	15	A	14	A	A	15	15							14	8	22
3	3	15	15	14	15	15	15	14	15	15	15							15	8	23
4	4	14	15	15	14	15	A	13	15	A	15							14	7	21
5	5	15	15	15	15	15	15	15	15	15	15							15	9	24
6	6	15	A	14	15	A	15	15	14	15	15							14	8	22
7	7	14	15	A	15	15	14	15	15	15	15							15	7	22
8	8	15	15	A	14	15	15	15	15	15	15							15	10	25
9	9	14	15	15	15	15	15	15	15	15	15							15	10	25
10	10	15	15	15	15	15	15	15	15	15	15							12	5	17
11	11	12	13	14	13	A	A	13	13	13	13							13	5	18
12	12	14	A	14	13	A	14	14	15	A	13							13	7	20
13	13	13	A	A	15	14	14	14	12	13	15							15	10	25
14	15	A	15	15	15	15	15	15	15	15	15							11	4	15
15	16	12	11	12	12	13	14	13	13	13	A							14	9	23
16	18	14	15	15	14	15	15	A	15	15	15							15	10	25
17	19	15	15	15	15	15	15	15	15	15	14							14	5	19
18	21	15	A	14	14	A	14	15	15	15	15							14	8	22
19	22	15	A	14	15	15	15	14	15	A	15							14	9	23
20	23	14	15	A	15	14	15	A	15	A	14							14	9	23
21	24	15	15	15	15	14	15	15	15	15	15							13	6	19
22	25	13	14	15	15	A	14	14	13	A	15							15	8	23
23	27	15	15	15	14	15	15	15	14	15	15							13	7	20
24	28	14	A	15	15	A	13	14	14	14	14							13	5	18
25	29	14	13	14	14	A	14	13	14	15	14							14	6	20
26	30	15	14	15	15	A	15	14	15	15	15							15	6	19
27	31	14	13	14	14	A	14	14	15	14	14							13	6	19
28	32	14	13	A	14	A	A	13	15	13	13									

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S.NO	HNO	Week1	Week2	Week3	Week4	Week5	Week6	Week7	Week8	Week9	Week10	Week11	Week12	Week13	Week14	Week15	Week16	Reduced to 15	Internal Marks 10	Total 25
29	23	15	15	A	15	14	15	15	15	14	15							15	8	23
30	34	15	15	15	15	15	15	15	15	15	15							15	10	25
31	35	13	12	13	14	14	13	13	14	14	13							12	5	17
32	36	15	15	A	15	A	15	15	16	15	15							15	10	25
33	37	14	14	A	15	15	A	14	14	15	13							13	10	23
34	38	13	12	13	14	A	14	14	13	12	14							12	6	18
35	39	13	A	12	13	14	14	15	14	A	13							12	5	17
36	40	15	A	15	15	A	14	15	15	A	15							14	6	20
37	41	15	15	15	15	15	15	15	15	15	15							14	10	24
38	42	A	14	15	15	14	15	14	15	14	15							15	7	22
39	43	15	15	15	15	15	15	15	15	15	15							15	10	25
40	44	15	14	14	15	15	A	14	14	15	14							14	10	24
41	46	14	13	14	14	A	A	A	14	13	13							13	6	19
42	47	15	15	15	14	15	15	14	15	15	14							14	9	23
43	48	14	15	15	15	14	15	15	15	14	15							14	9	23
44	49	15	15	15	14	A	15	15	15	15	15							15	9	24
45	50	15	15	15	15	15	A	A	14	A	15							14	9	23
46	51	15	15	15	14	A	15	15	15	15	15							15	7	22
47	52	14	12	A	14	14	14	15	14	13	14							12	9	22
48	53	14	13	13	14	14	14	13	15	13	13							13	10	23
49	54	15	15	15	15	14	15	15	14	15	15							15	9	24
50	55	15	15	15	14	15	15	15	14	15	14							15	7	22
51	56	15	14	14	15	15	14	15	15	15	15							14	9	23
52	57	15	15	15	14	15	15	15	14	15	15							15	7	22
53	59	13	12	12	14	14	14	13	12	12	12							12	8	20
54	60	13	12	12	A	A	14	14	12	12	12							12	5	17
55	19915A0501	14	14	12	13	A	12	13	A	13	13							12	5	17
56	2	A	A	14	14	A	A	13	13	12	12							12	5	17
57	3	15	15	15	15	15	14	15	15	15	15							15	8	23
58	4	12	14	13	14	14	15	14	14	13	14							13	8	21
59	5	15	14	15	15	14	15	15	14	14	14							14	7	21
60	6	15	15	14	14	14	14	14	15	12	14							14	8	22
61	7	14	13	13	12	12	A	13	13	13	13							12	5	17
62	19911A0508	12	14	13	A	13	13	12	12	A	13							12	5	17

Course Instructor

HOD

Figure 2.2.1(s): Continuous Lab assessment sheet

Component of evaluation	Internal/External	Marks	Weightage
Continuous evaluation of laboratory	Internal	15	33.33%
Internal Lab Test		10	
Program Writing	External	20	66.7%
Program Execution		20	
Viva Voice		10	
Total		75	

Table 2.2.1 (e) Marks distribution for Laboratory courses**7. Student feedback of teaching learning process and actions taken:**

Feedback from students has always played an important role in the maintenance of quality and standards in education. Feedback on teaching learning process is taken in 2 ways.

1. Semester wise on curriculum by students and stakeholders
2. Institute level on teaching learning process by students

Feedback on teaching learning process is taken at the end of semester by students for every course following below parameters.

1. Depth of the Course content sufficient for learning outcomes
2. Credit allotment
3. Timely coverage of Syllabus
4. Delivery of Syllabi in the Class
5. Use of Teaching Aids and ICT in the Class to Facilitate Teaching
6. Overall Experience with Internal Assessment (Quiz, Assignments, Presentations etc.)
7. Student Teacher Interaction
8. Integration of Theory and Practical in Classes
9. Availability of Quality reference course material
10. The pre-requisite courses are appropriate for the course
11. The Electives offered are relevant to the specialization streams and are in tune with technological advancements
12. Laboratory experiments / assessment done as per the Standard Operating Procedures

Institute level on teaching learning Process by students

Institute level this feedback is taken every academic year for the overall improvement on teaching learning process by students. Action is taken department wise by the suggestions given by students.

- 1 Syllabus Coverage
- 2 How well teachers prepare for the class?
- 3 Communication Skills
- 4 Fairness in Internal Evaluation process by teachers.
- 5 Performance in Assignments & Mid Term Examinations and discussion with students.
- 6 Promotion of Internships & Field Visit Opportunities to students.
- 7 Mentoring Process
- 8 Expected Competencies of the course, Course Outcomes and Program Outcomes and Program Specific Outcomes.
- 9 Teachers identify students' strengths and encourage them to face challenges.
- 10 Identify students' weaknesses and help them to overcome them.
- 11 Efforts to engage the students in monitoring, reviewing and continuous quality improvement of teaching learning process.
- 12 Usage of student centric, participative and problem solving methodologies for enhanced learning experiences.
- 13 Participation in extracurricular activities
- 14 Efforts are made to improve soft skills, life skills and employability skills to make students industry ready.
- 15 Use of ICT Tools such as LCD Projectors, Multimedia etc., for teaching
- 16 Overall teaching learning process
- 17 Suggestions for improving overall teaching learning process.

Action taken on students' feedback

A discussion is made on feedback taken from the stakeholders on curriculum for the academic year in the academic council and BoG meetings and action is taken based on the comments.

Few of the action points for the academic year 2019-20 that have been implemented based on the inputs given by stakeholders are

- Provide practical view on teaching topics
- Offer practical explanation
- Encourage the student participation in the classroom teaching

2.2.2 Quality of End Semester Examinations, Internal Semester Question Papers, Assignments and Evaluation

A. Process for Internal Semester Question Paper setting and evaluation and effective process implementation:

Various initiatives have been taken at the Institute and at the department level in order to improve the quality of the question paper. Questions are set in alignment with Blooms' Taxonomy Levels (BTL) and Course Outcomes. Outcome based assignments are given to all students and these are mapped with Course Outcomes. A Panel of external experts from reputed institutions/Universities is recommended by the Department Advisory Board (DAB). Members of the panel of external experts review the End Semester Examination question papers to ensure that BTLs, COs and marks are in compliance.

Quality of Internal Semester Question Papers:

Internal Semester question papers: Two midterm examinations are conducted in each semester after six weeks of teaching

- The question papers are set by the internal faculty in line with Blooms Taxonomy Level (BTL) are designed to measure the relevant course outcomes.
- The internal faculty members (two or more faculty teaching the same course) submit the question paper to the course coordinator.
- The course coordinator prepares two sets of question papers and submits the same to the controller of examination (COE)
- First mid-term examination is conducted for first two and half units of syllabus and covers 3 course outcomes (CO1, CO2&CO3)
- Second mid-term examination is conducted for remaining two and half units&covers remaining course outcomes (CO3, CO4&CO5)

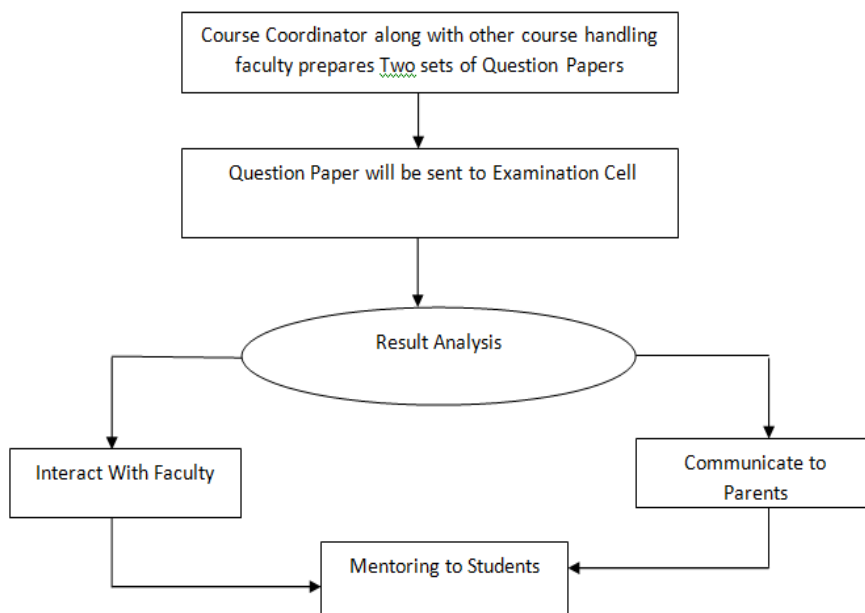


Fig 2.2.2 (a): Process for Internal Question Paper Setting

Assignments:

Assignments are an integral part of the continuous assessment process to ensure that students apply and analyse their knowledge to rise to the level of learning and application. Similar to midterm examination the assignments are in line with BTL and CO that has been predefined.

Two assignments are given in each semester carrying total 5 marks

- Assignment – 1 is given for 5 marks
- Assignment – 2 is given for 5marks

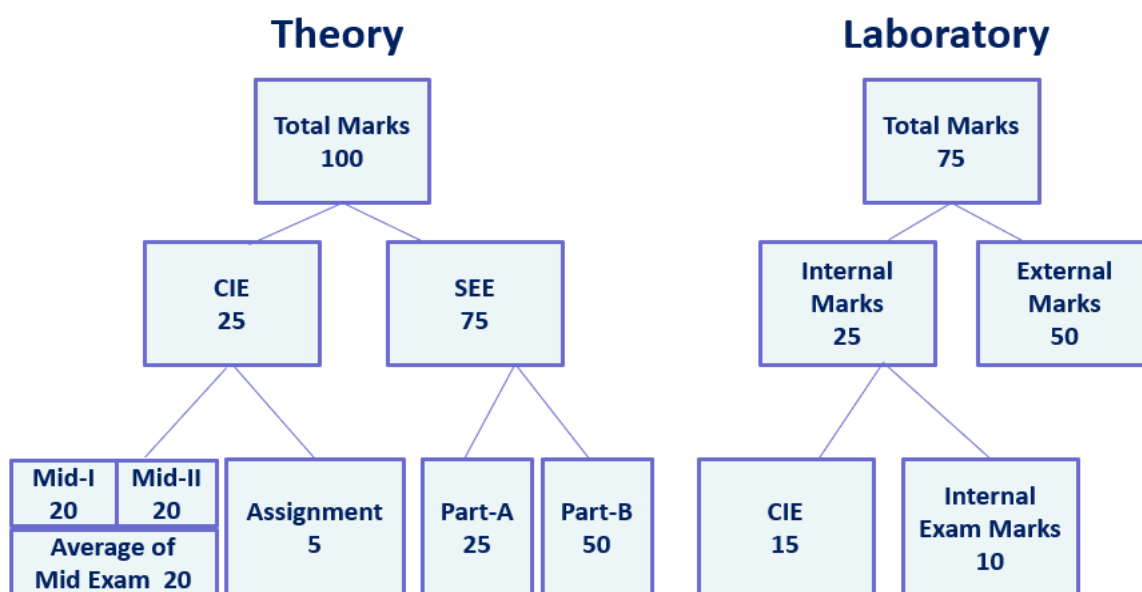



Figure 2.2.2(b): Evaluation Procedure

B. Process to ensure questions from outcomes/learning level perspectives

Each question is mapped with CO's PO's & Blooms taxonomy (BT) levels. Students who attempted the questions is taken into consideration and average of all students' marks are taken for CO -PO attainment

EXAMINATION	INTERNAL /EXTERNAL	PART A	PART B	TOTAL MARKS
External Question Paper	External	10 Questions – Equally Distributed- All questions to be answered and each carry 2 Marks	10 Questions-1 Question from each Unit – Internal Choice Pattern – Each Carries 10 Marks	Part A – 25 Marks and Part B – 50 Marks Total Marks – 75 Marks
Mid Term Examination 1	Internal	6 Questions-1 Question from each Unit – Internal Choice Pattern – Each Carries 2 Marks	6 Questions-1 Question from each Unit – Internal Choice Pattern – Each Carries (5+5+4) Marks	Part A – 6 Marks and Part B – 14 Marks Total Marks – 20 Marks
Mid Term Examination 2	Internal	6 Questions-1 Question from each Unit – Internal Choice Pattern – Each Carries 2 Marks	6 Questions-1 Question from each Unit – Internal Choice Pattern – Each Carries (4+5+5) Marks	Part A – 6 Marks and Part B – 14 Marks Total Marks – 20 Marks

Table 2.2.2(a): Examination Pattern

 Vidya Jyothi Institute of Technology (Autonomous) (Accredited by NAAC & NBA, Approved By A.I.C.T.E., New Delhi, Permanently Affiliated to JNTU, Hyderabad) (Aziz Nagar, C.B.Post, Hyderabad -500075)	
II B.Tech. 1 st Semester 1 st Mid Examination	
Branch: CSE	Duration: 90Min
Sub: Data Structures	Marks: 20
Date: 14.08.2019	Session: AN

Course Outcomes:


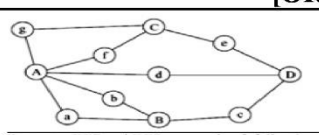
1. Understand the concepts of Stacks and Queues with their applications.
2. Analyze various operations on Binary trees.
3. Examine of various concepts of binary trees with real time applications.
4. Analyze the shortest path algorithm on graph data structures.
5. Outline the concepts of hashing, collision and its resolution methods using hash functions.

Bloom's Level:

Bloom's Level:									
Remember		I	Apply	III	Evaluate	V			
Understand		II	Analyze	IV	Create	VI			
Q.N	ANSWER ALL THE QUESTIONS					Marks	CO	PO	BL
PART-A (3Q×2M =6 Marks)									
1	Define data structures.					2	CO1	1-12	L1
2	Define the node, siblings, left-skewed tree.					2	CO2	1-12	L1
3	Construct the binary search Tree for the below given data 35, 20, 15, 31, 89,-1, 35, 45.					2	CO3	1-12	L6
ANSWER ALL THE QUESTIONS									
PART-B (5+5+4= 14 Marks)									
4 i.a)	List out the algorithm steps for a stack insertion operation.					3	CO1	1-12	L4
b)	Write the differences between linear and non linear data structures.					2	CO1	1-12	L1
OR									
ii.a)	Convert infix expression into its equivalent prefix expression: A*(B+D)/E- F*(G+H/K).					3	CO1	1-12	L5
b)	Write short notes on different types of queues.					2	CO1	1-12	L1
5.i a)	What are the advantages and disadvantages of Static and Dynamic representation of a binary tree					2	CO2	1-12	L1
b)	Given In order traversal of a binary tree is D,B,H,E,I,A,F,J,C,G and post order traversal is D,H,I,E,B,J,F,G,C,A. Construct binary tree and find the pre order traversal.					3	CO2	1-12	L6
OR									
ii. a)	Explain tree traversals with example.					2	CO2	1-12	L3
b)	Define and explain the following: A) One way threaded Binary Tree. B) Full Binary Tree					3	CO3	1-12	L3
6.i)	Explain the insertion and searching operation on binary search trees with an example					4	CO3	1-12	L5
OR									
ii)	Construct a binary search tree by inserting following elements 20, 70, -1, 66, 11, 55, 90, 45,100,110,91 and delete 66,100					4	CO3	1-12	L5

VJIT(A)

Figure 2.2.2(c): Sample question paper for MID I

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II Year B.Tech I Semester II Mid Examination						
Branch: CSE			Duration: 90Min			
Sub: Data Structures			Marks: 20			
Date: 30.10.2019			Session: AN			
Course Outcomes:						
1. Understand the concepts of Stacks and Queues with their applications						
2. Analyze various operations on Binary trees						
3. Examine of various concepts of binary trees with real time applications						
4. Analyze the shortest path algorithm on graph data structures						
5. Outline the concepts of hashing, collision and its resolution methods using hash functions..						
Bloom's Level:						
Remember	I	Analyze	IV			
Understand	II	Evaluate	V			
Apply	III	Create	VI			
PART-A (3Q×2M =6 Marks)			Outcomes		BL	Marks
ANSWER ALL THE QUESTIONS			CO	PO		
1.i)	Compare B-tree and B+ tree		3	1-12	2	2
[OR]						
ii)	Define balance factor and what the balance factor value of avl tree is		3	1-12	1	2
2.i)	Define weighted graph give one example.		4	1-12	1	2
[OR]						
ii)	Define Minimum Spanning tree with an example.		4	1-12	1	2
3.i)	Define Hashing and hash table		5	1-12	1	2
[OR]						
ii)	Define dictionaries.		5	1-12	1	2
PART-B (4+5+5= 14 Marks)			Outcomes		BL	Marks
ANSWER ALL THE QUESTIONS			CO	PO		
4.i.	Construct AVL Tree with the following elements C,O,M,P,U,T,I,N,G and remove the elements P , U and T		3	1-12	3	4
[OR]						
ii.a)	What are the advantages of B-trees?		3	1-12	1	2
b)	Differentiate between Binary Search Tree and an AVL Tree		3	1-12	4	2
5.i.a)	Define Graph and explain how graphs can be represented in		4	1-12	2	3
b)	Define in degree, out degree for a graph.		4	1-12	1	2
[OR]						
ii.a)	<div></div> <div>Traverse the graph using BFS and DFS</div>		4	1-12	3	3
b)	List the applications of Graphs		4	1-12	1	2
6.i.a)	Discuss any 2 different hashing functions with an example		5	1-12	2	3
b)	List the uses of hash table		5	1-12	1	2
[OR]						
ii.	Write a C program to implement Quadratic probing		5	1-12	3	5

VJIT(A)

Figure 2.2.2(d): Sample question paper for MID II

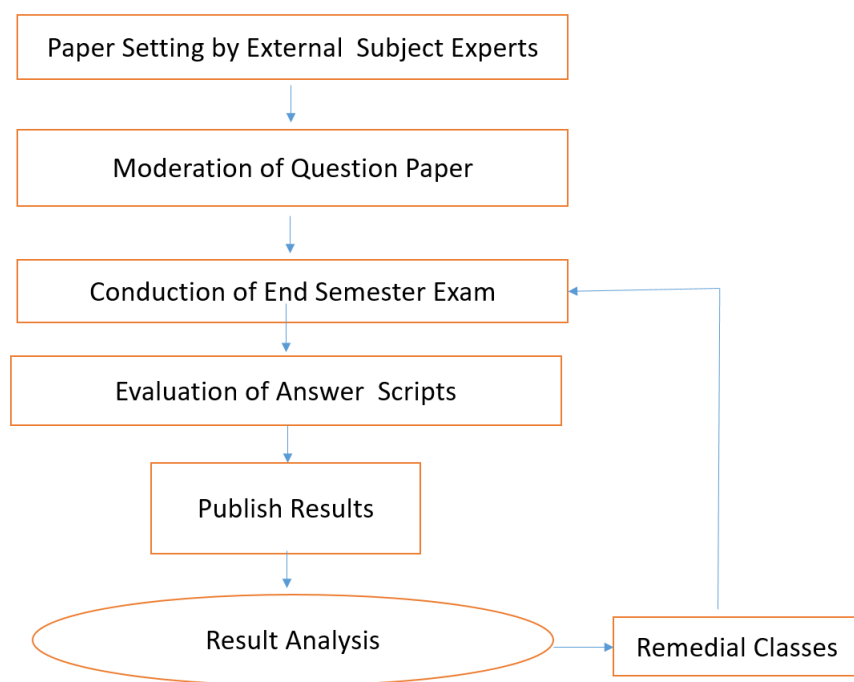


Figure 2.2.2(e): Process for End Semester Question Paper Setting



Vidya Jyothi Institute of Technology (Autonomous)

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(Aziz Nagar, CO-Devi, Hyderabad - 500075)

Subject Code: _____

B. Tech I, II, III & IV Year I/II Semester Regular/Supplementary Examination,

Subject:
Time: 3 hours

Branch:
Max Marks: 75

Note: This question paper contains two *Parts A and B*.

Part A is compulsory which carries 25 Marks. Answer all the questions.

Part B consists of 5 units. Answer any one question from each unit, which carries 50 Marks.

Bloom's Level:

Remember	L1
Understand	L2
Apply	L3
Analyze	L4
Evaluate	L5
Create	L6

PART-A (25 Marks)		Outcomes		Bloom's Level	Marks
ANSWER ALL THE QUESTIONS		CO	PO		
1					2 M
2					3 M
3					2 M
4					3 M
5					2 M
6					3 M
7					2 M
8					3 M
9					2 M
10					3 M
PART-B		5Q x 10M = 50M			
ANSWER ALL THE QUESTIONS					
11 i)					
[OR]					
ii)					
12 i)					
[OR]					
ii.					
13.i)					
[OR]					
ii)					
14 i)					
[OR]					
ii)					
15 i)					
[OR]					
ii)					

VJIT(A)

Figure 2.2.2(f): Sample External question papers

C. Evidence of COs Coverage in class test/Mid-term test

Individual student's answer script is evaluated, and questions are answered by students is mapped with CO's and PO's

IMAGE OF DIRECT ASSESSMENT SHEET

In the process of Direct Assessment Evaluation:

Mid-I & Assignment-I are mapped with **CO 1, CO 2& CO 3**

Questions from Part A & Part B -**CO 1** is mapped with question no 1&4 of Mid-I question paper and Similarly **CO 2** is mapped with question no 2 & 5, CO 3 is mapped with question no 3 & 6.

For Mid-II & Assignment-II are mapped with **CO 3, CO 4& CO 5**.

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Questions form Part A & Part B -CO 3 is mapped with question no 1 & 4, CO 4 is mapped with questions no 2 & 5 and CO 5 is mapped with question no 3 & 6.

DIRECT ASSESSMENT EVALUATION

Academic Year: 2019-20										BATCH: 2018-22											
II B.Tech-I Sem																					
Course: DS																					
Faculty: B.Sailaja																					
S.No	Reg.No	MID I Threshold 60%									MID II Threshold 60%									Thresh old	
		AS M - I (5)	PART-A					PART-B				AS M - II	PART-A				PART-B				
			Q1(2M)	Q2(2M)	Q3 A	Q3 B (1M)	Q4(5 M)	Q5(5M)	Q6(4M)	Q1(2M)	Q2(2M)		Q3 A (1M)	Q3 B (1M)	Q4(4 M)	Q5(5M)	Q6(5M)				
1	17911A0593	5	2	2	1	1	4	4	4	5	2	2	1	1	4	4	4	4	48		
2	18911A0501	5	2	2	1	1	2	2	3	5	2	2	1	1	3	2	2	2	52		
3	18911A0502	5	2	1	0	1	2	2	2	5	2	2	1	1	2	2	2	2	49		
4	18911A0503	5	2	1	0	0	2	2	2	5	2	2	1	1	2	2	2	2	56		
5	18911A0504	5	2	1	1	1	2	4	4	5	2	2	1	1	4	2	4	2	54		
6	18911A0505	5	2	2	1	1	3	3	3	5	2	2	1	1	3	3	3	3	50		
7	18911A0506	5	2	2	1	1	3	3	2	5	2	2	1	1	2	3	3	3	45		
8	18911A0507	5	2	2	1	1	4	4	4	5	2	2	1	1	4	4	4	4	49		
9	18911A0508	5	2	2	1	1	5	5	4	5	2	2	1	1	4	5	5	5	47		
10	18911A0509	5	2	1	1	1	3	3	3	5	2	2	1	1	1	3	3	3	54		
11	18911A0510	5	2	1	1	1	1	3	3	5	2	2	0	0	2	2	2	2	48		
12	18911A0511	5	2	2	1	1	3	3	4	5	2	2	1	1	4	3	3	3	55		
13	18911A0512	5	2	2	1	1	4	5	4	5	2	2	1	1	4	4	5	5	54		
14	18911A0513	5	2	1	1	1	5	5	4	5	2	2	1	1	4	5	5	5	60		
15	18911A0515	5	2	1	1	1	3	3	3	5	2	2	1	1	1	3	3	3	46		
16	18911A0516	5	2	2	0	0	2	2	2	5	2	2	1	1	3	1	3	3	9		
17	18911A0518	5	2	2	1	1	3	3	4	5	2	2	1	1	4	3	3	3	52		
18	18911A0519	5	2	2	1	1	4	5	4	5	2	2	1	1	4	4	5	5	49		
19	18911A0521	5	2	2	1	1	3	3	3	5	2	2	1	1	3	3	3	3	53		
20	18911A0522	5	2	2	0	1	3	3	2	5	2	2	1	1	2	3	3	3	61		
21	18911A0523	5	2	2	0	1	4	4	4	5	2	2	1	1	4	4	4	4	57		
22	18911A0524	5	2	2	1	1	3	3	3	5	2	2	1	1	3	3	3	3	53		
23	18911A0525	5	2	2	1	1	3	3	2	5	2	2	1	1	2	3	3	3	56		
24	18911A0527	5	2	2	1	1	4	4	4	5	2	2	1	1	4	4	4	4	49		
25	18911A0528	5	2	2	1	1	5	5	4	5	2	2	1	1	4	5	5	5	52		
26	18911A0529	5	2	2	1	1	3	3	3	5	2	2	1	1	1	3	3	3	56		
27	18911A0530	5	2	2	1	1	1	3	3	5	2	2	1	1	3	1	3	3	59		
28	18911A0531	5	2	2	1	1	3	3	4	5	2	2	0	0	2	2	2	2	18		
29	18911A0532	5	2	2	1	1	4	5	4	5	2	2	1	1	4	4	5	5	53		
30	18911A0533	5	2	2	1	1	5	5	4	5	2	2	1	1	4	5	5	5	59		
31	18911A0534	5	2	2	1	1	3	3	3	5	2	2	1	1	1	3	3	3	51		
32	18911A0535	5	2	2	1	1	1	3	3	5	2	2	1	1	3	1	3	3	68		
33	18911A0536	5	2	2	1	1	3	3	4	5	2	2	1	1	4	3	3	3	45		
34	18911A0537	5	2	2	1	1	4	5	4	5	2	2	1	1	4	4	5	5	54		
35	18911A0538	5	2	2	1	1	3	3	3	5	2	2	1	1	3	3	3	3	48		
36	18911A0539	5	2	2	1	1	3	3	2	5	2	2	1	1	2	3	3	3	59		
37	18911A0540	5	2	2	1	1	4	4	4	5	2	2	1	1	4	4	4	4	54		

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38	18911A0541	5	2	2	1	1	3	3	3	5	2	2	1	1	3	3	3	50
39	18911A0542	5	2	2	1	1	3	3	2	5	2	2	1	1	2	3	3	49
40	18911A0543	5	2	2	0	0	2	2	2	5	2	2	0	0	2	2	2	55
41	18911A0544	5	2	1	0	1	3	3	3	5	2	2	1		1	3	3	37
42	18911A0546	5	2	1	0	0	2	2	2	5	1	1	1	1	2	2	2	26
43	18911A0547	5	2	1	0	1	4	4	4	5	2	2	1	1	4	4	4	47
44	18911A0548	5	2	2	1	1	2	2	3	5	2	2	1	1	3	2	2	45
45	18911A0549	5	2	2	0	1	2	2	2	5	2	2	1	1	2	2	2	40
46	18911A0550	5	2	2	0	0	2	2	2	5	2	2	1	1	2	2	2	39
47	18911A0551	5	2	2	1	0	2	4	4	5	2	2	1	1	4	2	4	48
48	18911A0552	5	2	1	1	0	3	3	3	5	2	2	1	1	3	3	3	46
49	18911A0553	5	2	1	1	1	3	3	2	5	2	2	0	1	2	3	3	43
50	18911A0554	5	2	2	1	1	4	4	4	5	2	2	0	1	4	4	4	44
51	18911A0555	5	2	2	1	1	5	5	4	5	2	2	1	1	4	5	5	55
52	18911A0556	5	2	1	1	1	3	3	3	5	2	2	1	1	1	3	3	46
53	18911A0557	5	2	1	1	1	1	3	3	5	2	2	1	1	3	1	3	41
54	18911A0559	5	2	2	0	0	2	2	2	5	2	2	0	0	2	2	2	46
55	18911A0560	5	2	2	1	1	4	5	4	5	2	2	1	1	4	4	5	32
56	18911A0561	5	2	2	1		5	5	4	5	2	2	1	1	4	5	5	38
57	18911A0562	5	2	2	1		3	3	3	5	2	2	0	1	1	3	3	46
58	18911A0563	5	2	1	1	1	1	3	3	5	2	2	0	1	3	1	3	44
59	18911A0564	5	2	1	1	1	3	3	4	5	2	2	1	1	4	3	3	26
60	18911A0565	5	2	1	1	1	4	5	4	5	2	2	1	1	4	4	5	46
61	18911A0566	5	2	2	1	1	3	3	3	5	2	2	1	1	3	3	3	30
62	18911A0567	5	2	2	1	1	3	3	2	5	2	2	1	1	2	3	3	48
63	18911A0568	5	2	2	1	1	4	4	4	5	2	2	1	1	4	4	4	30
64	18911A0569	5	2	2	1	0	3	3	3	5	2	2	1	1	3	3	3	43
65	18911A0570	5	2	1	1	0	3	3	2	5	2	2	0	0	2	2	2	36
66	18911A0571	5	2	1	1	0	4	4	4	5	2	2	1	0	4	4	4	53
67	18911A0572	5	2	2	1	0	5	5	4	5	2	2	0	0	2	2	2	50
68	18911A0573	5	2	2	1	0	3	3	3	5	2	2	1	0	1	3	3	41
69	18911A0574	5	2	1	1	0	1	3	3	5	2	2	1	1	3	1	3	29
70	18911A0575	5	2	1	1	0	3	3	4	5	1	1	1	1	4	3	3	44
71	18911A0576	5	2	1	1	0	4	5	4	5	2	2	1	1	4	4	5	47
72	18911A0577	5	2	1	1	0	5	5	4	5	2	2	1	1	4	5	5	53
73	18911A0578	5	2	2	0	0	2	2	2	5	2	2	1	1	1	3	3	44
74	18911A0579	5	2	2	1	0	1	3	3	5	2	2	1	1	3	1	3	40
75	18911A0580	5	2	2	1	1	3	3	4	5	2	2	1	1	4	3	3	49
76	18911A0581	5	2	2	1	1	4	5	4	5	2	2	1	1	4	4	5	41
77	18911A0582	5	2	1	1	1	3	3	3	5	2	2	1	1	3	3	3	47
78	18911A0583	5	2	1	1	1	3	3	2	5	2	2	1	1	2	3	3	43
79	18911A0584	5	2	2	1	1	4	4	4	5	2	2	1	1	4	4	4	46
80	18911A0585	5	2	2	1	1	3	3	3	5	2	2	1	1	3	3	3	37
81	18911A0586	5	2	1	1	1	3	3	2	5	2	2	0	1	2	3	3	31
82	18911A0587	5	2	1	1	1	4	4	4	5	2	2	0	1	4	4	4	33

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Average marks	5	1.7	1.6	0.9	0.7	3.1	3.5	3.3	5	1.6	1.4	0.8	0.9	3.2	3.1	3.5	45.3
No of students	251	251	##	251	249	251	251	251	251	251	251	251	250	251	251	251	251
No of students	251	182	159	232	186	201	230	203	251	179	156	207	222	184	200	229	155
%of students scored	100	###	###	####	74.70	80.08	91.63	80.88	100	71.31	62.15	82.47	88.80	73.31	79.68	91.24	61.75
CO ATTAINMENT	3	3.0	2.0	3.0	3.0	3.0	3.0	3.0	3	3.0	2.0	3.0	3.0	3.0	3.0	3.0	2.0
ASSESSMENT OF COs FOR THE COURSE																	
CO	Method		Value	Avg	CO Attainment (Inter		CO Attainment (End Exam)	Overall CO Attainment									
CO 1	ASM I		3														
	MID I - PART A - Q1		3.0														
	MID I - PART A - Q3 A		3.0	3.0													
	MID I - PART B - Q4		3.0														
CO 2	ASM I		3														
	MID I - PART A - Q2		2.0														
	MID I - PART A - Q3 B		3.0	2.8													
	MID I - PART B - Q5		3.0														
CO 3	ASM I		3														
	ASM II		3.0														
	MID I - PART B - Q6		3.0	3.0	2.90		2.00	2.23									
	MID II - PART B -		3.0														
CO 4	ASM I		3														
	MID II - PART A - Q1		3.0														
	MID II - PART A - Q3 A		3.0	3.0													
	MID II - PART B -		3.0														
CO 5	ASM I		3														
	MID II - PART A - Q2		2.0														
	MID II - PART A - Q3 B		3.0	2.8													
	MID II - PART B -		3.0														

D. Quality of assignment and its relevance to CO's

All assignments are framed and mapped with COs and Bloom's taxonomy as per the format shown below.

Course:		Marks:		
Branch:		Year&Sem:		
Q. No	Question	CO	PO	B L
1				
2				
3				
4				
5				

Table 2.2.2(b): Assignment Pattern



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSIGNMENT 1

Branch: CSE

Year&Sem: II-I

SUB: Data structures

Academic Year:2019-20

Faculty Name: B.Sailaja

Marks: 25M

S.No	Question	Marks	CO	BL	PO's
1	What is a Data Structure? Explain the representation of Data Structure.	5	1	L2	1-12
2	Convert the following expression $A+(B*C)-((D*E+F)/G)$ into post fix form	5	1	L4	1-12
3	Explain tree traversals with example?	5	2	L2	1-12
4	What is a Binary Tree? Explain the representation of Binary tree	5	2	L1,L2	1-12

5	Define binary search tree. Explain the insertion and deletion in BST	5	3	L1,L2	1-12
---	--	---	---	-------	------

Figure 2.2.2(g): Sample Copy of Assignment 1



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSIGNMENT 2

Branch: CSE

Year&Sem: II-I

SUB: Data Structures

Academic Year: 2019-20

Faculty Name: B.Sailaja

Marks: 25M

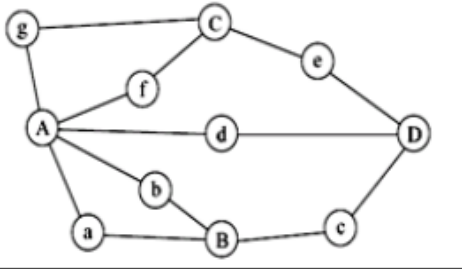
S.No	Question	Marks	CO	BL	PO's
1	Explain the various rotations of AVL Trees maintaining balance factor while deletion takes place.	5	3	L2	1-12
2	Define Graph and explain how graphs can be represented in adjacency matrix and adjacency LIST.	5	4	L1,L2	1-12
3.	Illustrate DFS and BFS traversals of following graph 	5	4	L4	1-12
4.	Define hashing and discuss the different hashing functions with an example.	5	5	L1,L2	1-12
5.	Analyze input (371, 323, 173, 199, 344, 679, 989) and hash function $h(x)=x \bmod 10$, Show the result using quadratic probing, and double hashing $h_2(x)=7 - (x \bmod 7)$	5	5	L5	1-12

Figure 2.2.2(h):Sample Copy of Assignment 2

2.2.3. Quality of Student Projects

A. Identification of projects and allocation methodology to Faculty Members

- The Head of Department/ Project Coordinators provide the list of faculty members and their area of specialization to the students at least one month before the end of the 6th semester.
- The Project coordinators collect these details from the students at least two weeks before the end of the 6th semester. The group comprises weak, average, and bright student categories.
- Project coordinators finalize project titles, project guide and team of students
- Project Review Committee is constituted and Internal Reviews are organized as per Project rubrics.
- Internal Assessment is carried for 50 Marks and End Semester Assessment is done by External Examiners for 150 Marks

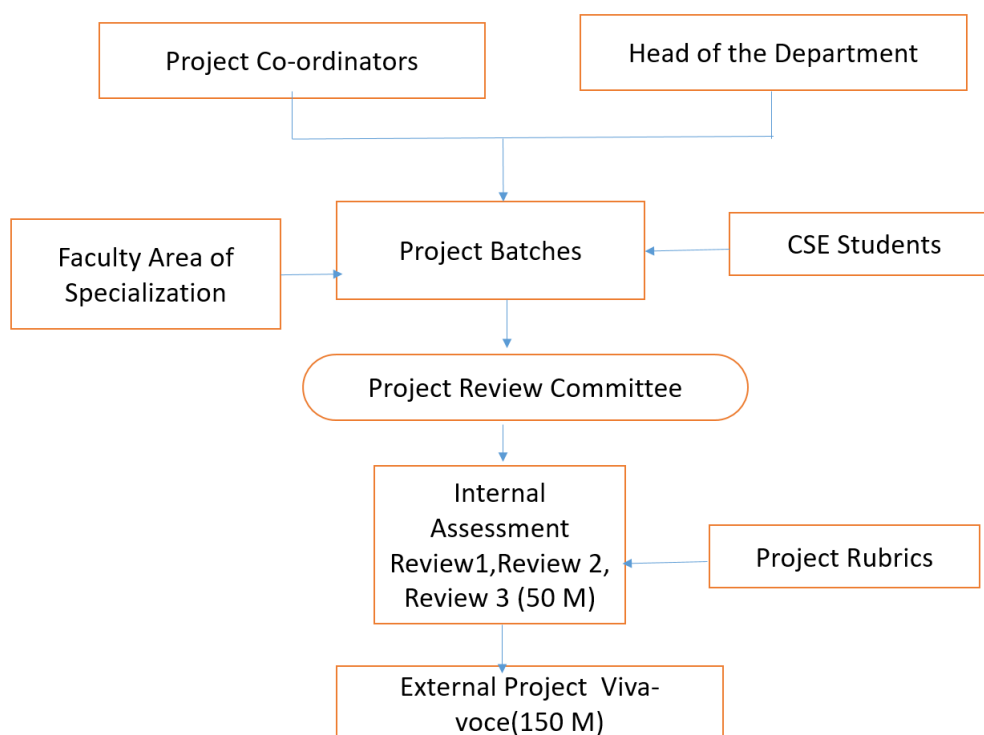


Figure 2.2.3(a): Process of Project Batches identification and Guide Allocation

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No.	FACULTY NAME	DESIGNATION	DOMAIN
1	Dr B. Vijaya Kumar	Professor & HOD	Image Processing
2	Dr M Ravi Mathey	Professor	Networking/Machine Learning
3	Dr D Aruna Kumari	Professor	Data Mining/Machine Learning
4	Dr.K.V.Ranga Rao	Professor	Machine Learning
5	Dr K Ramesh Babu	Assoc.Prof	Cloud Computing
6	Dr.Moulali	Assoc.Prof	Data Mining
7	Dr.Koyi Lakshmi Prasad	Assoc.Prof	Data Mining
8	Dr. P. Bhargavi	Asst Prof	Data Mining/Machine Learning
9	Dr. N.Anusha	Asst Prof	Data Mining/Machine Learning
10	Mr.B.Srinivasulu	Asst Prof	Image Processing
11	Mrs B Sailaja	Assoc Prof	Image Processing /Machine Learning
12	Mr D Venkateswarlu	Assoc Prof	Data Mining
13	Mr.K.Srinivasa Rao	Assoc Prof	Software Engineering/Machine Learning
14	Mrs A Swarna	Asst Prof	Data Mining/Machine Learning
15	Mrs M Vijaya	Asst Prof	Data Mining
16	Mr Y Praveen Kumar	Asst Prof	Data Mining
17	Mr P Rajashekar	Asst Prof	Bigdata/Machine Learning
18	Mr K S R K Sarma	Asst Prof	Data Mining
19	Mr B Vikas	Asst Prof	IoT
20	Mr Y Prabhu Kumar	Asst Prof	Data Mining/Machine Learning
21	Mr Abdul Majeed	Asst Prof	Cloud Computing/Image Processing
22	Mr RRS Ravi Kumar	Asst Prof	Image Processing
23	Mr R. Yogesh	Asst Prof	Cloud Computing
24	Mrs P Lakshmi Priya	Asst Prof	Machine Learning
25	Mohd. Zeeshan	Asst Prof	Bigdata
26	Mrs Ch Deepika	Asst Prof	Cloud Computing
27	Mr SubbarayaSarma PKV	Asst Prof	Cloud Computing
28	Ms G Surekha	Asst Prof	Cloud Computing
29	Mrs.G.Kalpana	Asst Prof	Image Processing/Cloud Computing
30	Mrs. T. Maanasa	Asst Prof	Machine Learning

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31	Ms. M. Kavya	Asst Prof	Cloud Computing
32	Ms.K.Keerthi	Asst Prof	Data Mining/IoT
33	Mrs.Sri Lakshmi S	Asst Prof	Data Mining
34	Mrs.P. Sandhya	Asst Prof	Bigdata
35	Mr Mohd Zaheer Ahmed	Asst Prof	Cloud Computing/Machine Learning
36	Mrs P Swetha	Asst Prof	Bigdata
37	Mrs S. Divya	Asst Prof	Cloud Computing/Machine Learning
38	Ms.P. Babitha	Asst Prof	Data Mining
39	Mr.C. Rama Krishna	Asst Prof	Data Mining
40	Mr.P.Narayana	Asst Prof	Fog Computing
41	Mr.Venunadh	Asst Prof	Social Network Analysis
42	Mr.Girinadh	Asst Prof	Data Mining
43	Ms.Saritha	Asst Prof	Network security
44	Ms.Yoga Lakshmi	Asst Prof	Network security
45	Mr.M.Venkateswarlu	Asst Prof	Software Engineering

Table 2.2.3(a): 2021-22 Faculty competence mapping for project allotment

B. Types and relevance of the projects and their contribution towards attainment of PO's.

- Current academic projects are mapped to POs and PSOs
- Each project is evaluated with internal marks and are graded according to their project quality and with their contribution towards attainment of PO's

S. No.	Name of the Student	Project Title	POs	PSOs
1	R Akhil V Varun Y Krishna Shashank DivyaGariga	Image based attendance System	PO1-PO12	PSO1 & PSO2
2	Gowtham Raju Karunakar Reddy G Arun Reddy G Pavan Kumar	Graphical Password-A New Security Primitive based on Python	PO1-PO12	PSO1 & PSO2
3	Kodamagullakausthub	Using Ensemble	PO1-PO12	PSO1 & PSO2

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		Machine Learning Algorithms for predicting Virus Based Diseases		
4	Laxman	DockerX	PO1-PO12	PSO1 & PSO2
	VithanalaPhanindra			
5	Sunil Adabala	AR View	PO1-PO12	PSO1 & PSO2
	Gautam Sagar			
	Chetan Medabony			
	Bharat Annamaneni			

Table 2.2.3(b): List of few samples of student projects in 2020-2021

S. No.	Name of the Student	Project Title	POs	PSOs
1	A Sowmitha Reddy K. Sai Srujana Rithika Thakur T.Mayuri	Generative chatbot using recurrent Neural Network and NLP	PO1-PO12	PSO1 & PSO2
2	T Shresta K Madhuri G Roja Sri V Alekya	Reliability Improvement of Radial Distribution System with Smart Grid Technology	PO1-PO12	PSO1 & PSO2
3	PRADHYUMNA SONI	EDGE ELEMENT CONFIGURATION VALIDATOR	PO1-PO12	PSO1 & PSO2
4	Ayman Eathysham Syed Nusrat Ali Sahil Ramwal SiddarthMadupathi	ResQwalk App	PO1-PO12	PSO1 & PSO2

Table 2.2.3(c): List of few samples of student projects in 2019-2020

S. No.	Name of the Student	Project Title	POs	PSOs
1	A Akshara G Sowmya S Dhayana T Niharika	Providing authentication and security for digital image using watermarking techniques	PO1-PO12	PSO1 & PSO2
2	K Aditi M Balraj G Sudeeptha C Karthik Jaiswal	Machine Learning: Gesture reading using KINET	PO1-PO12	PSO1 & PSO2
3	K. Amruth Kumar Reddy T. Anuvardhan Reddy M. Shakthidhar Reddy M. Bala Prasad	Blind Man's Eye	PO1-PO12	PSO1 & PSO2

Table 2.2.3(d): List of few samples of student projects in 2018-2019**B. Projects related to Industry****A.Y 2020-2021**

S.No.	Roll No	Name of the Company	Name of the Participant
1	16911A05F5	Exposys data labs	Nenavath Azithraj
2	16911A05K9	Taken Mind	I V N Bhaskar
3	17911A0516	Pankaj sir Academy	G Vamshi
4	17911A0527	Pankaj sir Academy	K Dasaradhi Rangacharya Naik
5	17911A0534	Career Launcher	Madineni Jitin Krishna
6	17911A0539	Career Launcher	Mummoju Aravindh Sai
7	17911A0544	Seethos	Lalit Chandra Oruganti
8	17911A0551	Dash Beyond	Sagar Hrushith Singh
9	17911A0551	HouseItt	Sagar Hrushith Singh
10	17911A0551	Brain O Vision Solutions INDIA Pvt.Ltd	Sagar Hrushith Singh
11	17911A0552	Verzeo	Sumanth Reddy Mungi
12	17911A0572	Kenmark itan solutions	Vineel Bheemanadham
13	17911A0587	Equisoft	Koduru Yashwitha
14	17911A05E2	TSSS INFOTECH AND INFRA	Gulipalli Pavan Kumar
15	17911A05E7	Goal Street	Kandimalla Akhila
16	17911A05F2	TCS Explore	Kota Sruthi
17	17911A05F5	Virtusa	Madhumitha Allabhoina
18	17911A05G4	Manac	P V S Sai Leela
19	17911A05G4	Inmovidu Technologies	P V S Sai Leela
20	17911A05G5	Manac	P Sushma
21	17911A05M0	COIGN	Kurukunda Sreenath Reddy
22	17911A05M0	Skillssquad	Kurukunda Sreenath Reddy
23	17911A05M7	Knowledge solutions India - Microsoft AEP	Mudigonda Sri Harsha
24	17911A05P2	Kalpas	Sameer Desai
25	18911A0510	Jobrouter	Lakshmi Durga
26	18911A0515	Virtusa	D Praharsha
27	18911A0519	CodeSpeedy Technology Private Limited	Ginna Srilekha
28	18911A0522	Mindler	Ashritha Karanam
29	18911A0522	Inmovidu Technologies	Ashritha Karanam
30	18911A0528	Vcriate	Maddi Rushi Vardan Reddy
31	18911A0528	Mindler	Maddi Rushi Vardan Reddy
32	18911A0528	Jobrouter	Maddi Rushi Vardan Reddy
33	18911A0535	Polly Apps LLC	Lalith Medury
34	18911A0536	Polly Apps LLC	Lalith Medury

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35	18911A0548	EXPOSYS	Malik Basha
36	18911A0548	Sparks foundation	Malik Basha
37	18911A0563	MedTourEasy	Shreya Ayireddy
38	18911A0565	Creatist	Nikhitha Bijjala
39	18911A0572	Inventrom Private Limited (Bolt IoT)	G Sai Shubhankh
40	18911A0577	Internship studio	I Sai Sowmya
41	18911A05A5	Shine projects	Srujan Pratti
42	18911A05B0	Polly Apps LLC	Sapan Raj Mathur
43	18911A05B3	Supero Software limited	Thejus Varma
44	18911A05B6	EduSkills	Tutika Naga Sai Sivani
45	18911A05B6	Internship Studio	Tutika Naga Sai Sivani
46	18911A05B6	USTECH solutions	Tutika Naga Sai Sivani

Table 2.2.3(e): Industry Projects**D. Process for monitoring and evaluation.**

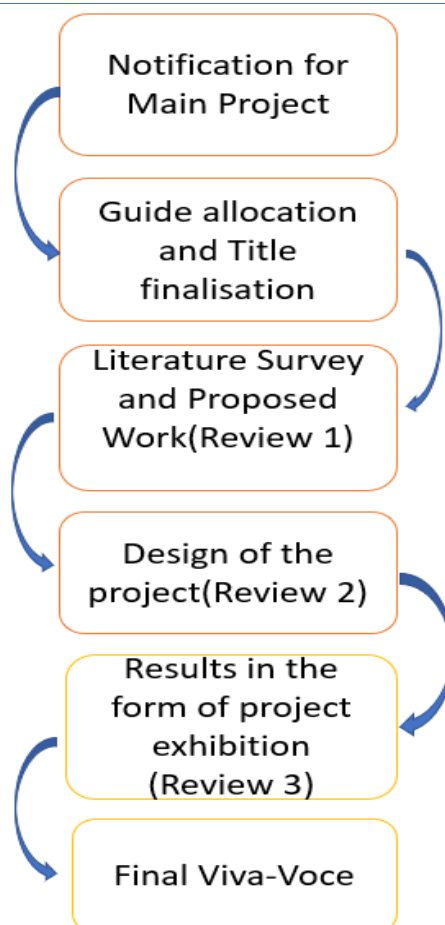


Figure 2.2.3(b): Process of Project Monitoring and Evaluation

- Weekly reviews are conducted by respective guides to know the status of projects
- The project internal evaluation is done by conducting three internal reviews by the Project Review Committee (PRC)
- Project work is evaluated for 200 marks (50 – Internal marks and 150- External marks)
- Rubrics are prepared to evaluate Best and Average projects
 - The external examination is conducted by the committee, the committee consisting of an external examiner, head of the department, the supervisor of the project and a senior faculty member of the department.

Review-I

S.No.	Performance Indicator	Marks
1	Title & Feasibility	5
2	Abstract & Depth of Knowledge	5
3	Presentation	5

Review-II

S. No.	Performance Indicator	Marks
1	Design and analysis	5
2	Implementation strategy	3
3	Expected Result	2
4	Presentation	5

Review- III

S.No.	Performance Indicator	Marks
1	Implementation /Execution	5
2	Results	5
2	Final report	5
4	Overall presentation	5

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
Department of Computer Science & Engineering

Date: 16/12/2019

CIRCULAR

It is here by informed to all the students of IV B. Tech, that the following is the schedule for major project reviews for the academic year 2019-2020.

SNO	REVIEW	Section	DATE	REVIEW DISCRIPTION
1	I	A	07.02.2020	Abstract proposal approval
		B	22.01-2020	
		C	03.02.2020	
		D	22.01.2020	
2	II	A	14.03.2020	Design and implementation
		B	28.02.2020	
		C	14.03.2020	
		D	10.03.2020	
3	III	A	04.04.2020	Execution
		B	02.04.2020	
		C	04.04.2020	
		D	03.04.2020	


HOD

CC: 1) To Main notice board

2) To members of PRC

3) For circulation in IV year classes

Fig:2.2.3(d): Circular for project reviews

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(Aziz Nagar, C.B.Post, Hyderabad -500075)

Department of Computer Science & Engineering
Major Project Internal Marks 2019-2020

S.No	H.T.NO	NAME OF THE STUDENT	PROJECT TITLE	REVIEW 1	REVIEW 2	REVIEW 3	TOTAL
1	16911A0561	A REVANTH	EYEBALL CURSOR MOVEMENT SYSTEM	12	12	16	40
2	16911A0562	A SRAVIKA	LEAVE MANAGEMENT SYSTEM	13	13	17	43
3	16911A0563	ARAE BENHUR PAUL	LEAVE MANAGEMENT SYSTEM	12	12	16	40
4	16911A0564	ASHISH AGGARWAL	ROAD ACCIDENTS ANALYSIS	13	14	18	45
5	16911A0565	AYMAN EATHYSHAM	RES-Q-WALK APP	12	12	16	40
6	16911A0566	BADDAM DIVYA	TRAINING AND PLACEMENT CELL MANAGEMENT	9	10	8	27
7	16911A0567	CHINDAM ABHISHEK	ONLINE PHOTOGRAPHER BOOKING	10	10	9	29
8	16911A0568	CHITTEMPALLY MANOJ RAO	COMPANY MAILER	12	12	16	40
9	16911A0569	DARBHA VENKATA SAI KRISHNA PREETHAM	ONLINE PHOTOGRAPHER BOOKING	10	11	9	30
10	16911A0570	DEEPTHI SRIPADA	RAILWAY TICKET BOOKING PORTAL	15	15	19	49
11	16911A0572	GADAGONI SOUMYA	COLLEGE NETWORKING SITE	12	12	16	40
12	16911A0573	GANGADHARA PRASHANTH	BLOOD DONATION SYSTEM	11	12	11	34
13	16911A0575	GURRAM AMAN	SMART CONVERSATIONAL AGENT	10	11	10	31
14	16911A0576	GURRAM SAI DHARANEESH	E-BRIDGE	10	11	10	31
15	16911A0577	HARIKA TADEPALLI	DYNAMIC DATA MANAGEMENT	15	15	19	49
16	16911A0579	JARUPLA SUNITHA	INCOME TAX RETURN PROCESSING SYSTEM	11	12	11	34
17	16911A0580	JANGAM RITESH	SMART CONVERSATIONAL AGENT	13	13	17	43
18	16911A0581	JYOSHNA BASA	LEAVE MANAGEMENT SYSTEM	13	13	18	44
19	16911A0583	KARAKALA RISHAB REDDY	COMPANY MAILER	13	12	17	42
20	16911A0584	KANUMURI BHANU TEJA	ONLINE PHOTOGRAPHER BOOKING	10	11	10	31
21	16911A0585	KASA MAMATHA	INCOME TAX RETURN PROCESSING SYSTEM	10	11	10	31
22	16911A0586	KOMATIREDDY MAHENDRA REDDY	BLOOD DONATION SYSTEM	12	12	16	40
23	16911A0587	KOMMINENI JYOTHI	RAILWAY TICKET BOOKING PORTAL	13	13	17	43
24	16911A0588	M VAMSHI YADAV	ONLINE PHOTOGRAPHER BOOKING	13	14	18	45
25	16911A0590	MADDURI SPOORTHY	ROAD ACCIDENTS ANALYSIS	10	11	10	31

26	16911A0591	MALAVATH SARITHA	RAILWAY TICKET BOOKING PORTAL	10	11	10	31
27	16911A0592	MALGARI SWAPNA	RAILWAY TICKET BOOKING PORTAL	14	14	19	47
28	16911A0593	MARPPALLY DHARANI REDDY	LEAVE MANAGEMENT SYSTEM	13	13	17	43
29	16911A0594	MEGHANA CHILLARA	DYNAMIC DATA MANAGEMENT	15	15	19	49
30	16911A0595	MUDA BHASKER	E-BRIDGE	11	12	11	34
31	16911A0596	MUSHINAM SAI KUMAR	NAVIGATION SYSTEM FOR THE BLIND	10	11	10	31
32	16911A0597	NIMMA SANDEEP	HOUSE RENTAL MANAGEMENT SYSTEM	10	10	10	30
33	16911A0598	PAPNA NEELESH SINGH	NAVIGATION SYSTEM FOR THE BLIND	9	10	9	28
34	16911A0599	PATCHA CHAITANYA	EYEBALL CURSOR MOVEMENT SYSTEM	11	12	11	34
35	16911A05A0	PEDDAPURAM ARUN KUMAR	E-BRIDGE	9	10	9	28
36	16911A05A1	PININTI VIJAY REDDY	ROAD ACCIDENTS ANALYSIS	14	14	19	47
37	16911A05A2	POLU SAI NITISH	HOUSE RENTAL MANAGEMENT SYSTEM	11	12	11	34
38	16911A05A3	PRADHYUMNA SONI	EDGE ELEMENT CONFIGURATION VALIDATOR	15	15	19	49
39	16911A05A4	PRATAP RAJ KUMAR	HOUSE RENTAL MANAGEMENT SYSTEM	12	12	16	40
40	16911A05A6	RAMAPOGU SANJAY RAJU	HOUSE RENTAL MANAGEMENT SYSTEM	11	11	11	33
41	16911A05A7	RAMARAJU RAMCHANDRA	EYEBALL CURSOR MOVEMENT SYSTEM	12	12	16	40
42	16911A05A8	ROUTHU RAHUL ADITYA	EYEBALL CURSOR MOVEMENT SYSTEM	10	11	10	31
43	16911A05A9	S RAHUL	E-BRIDGE	12	12	16	40
44	16911A05B0	SAHIL RAMWAL	RES-Q-WALK APP	12	12	16	40
45	16911A05B1	SAI APARANJINI	COLLEGE NETWORKING SITE	13	13	17	43
46	16911A05B2	SAI PRIYA S	COLLEGE NETWORKING SITE	11	12	16	39
47	16911A05B3	SIDDHARTH MADUPATHI	RES-Q-WALK APP	10	11	10	31
48	16911A05B4	SIVARAJU VENKATA HARI CHANDANA	INCOME TAX RETURN PROCESSING SYSTEM	12	12	16	40
49	16911A05B5	SYED NUSRAT ALI	RES-Q-WALK APP	11	11	11	33
50	16911A05B6	TANUJA PYNENI	TRAINING AND PLACEMENT CELL MANAGEMENT	10	11	9	30
51	16911A05B7	VANIPALLI SRI UDAYA	TRAINING AND PLACEMENT CELL MANAGEMENT	12	12	16	40
52	16911A05B8	VARALA RAJITHA	INCOME TAX RETURN PROCESSING SYSTEM	11	12	16	39
53	16911A05B9	V S R MANOJ CHUNDURU	TRAINING AND PLACEMENT CELL MANAGEMENT	10	11	10	31
54	16911A05C0	Y S SRINIVAS BHARADWAJ	COMPANY MAILER	10	11	10	31
55	17915A0502	KOLLURU BHARATH	BLOOD DONATION SYSTEM	9	10	8	27
56	17918A0501	ADAM MANNE	NAVIGATION SYSTEM FOR THE BLIND	12	12	16	40
57	15911A05P9	YEDULLA NITHIN CHANDU REDDY	BLOOD DONATION SYSTEM	10	11	9	30
58	15911A05D9	EEDIGI PRANEETH GOUD	SMART CONVERSATIONAL AGENT	8	10	7	25

Fig.2.2.3(e): Sample copy of Marks distribution for Reviews

E. Process to assess individual and team performance:

The Computer Science Program (CSP) Rubrics stated below are used to grade and categorize the projects according to various levels.

Rubrics for Evaluating Project

The CSP Rubrics stated below are used to grade and categorize the projects according to various levels

CSP Rubric			
S.No	Criteria	LEVEL (Level:3Excellent Level:2Good Level:1Poor)	
1	Oral Communication	3	Student speaks on the given topic confidently using AudioVisual-aids. Vocabulary is good
		2	Student speaking without proper planning, fair usage of AudioVisual-aids.Vocabulary is not good
		1	Student speaks vaguely not in phase with the given topic. No synchronization between the talk and Visual Aids
2	Writing Skills	3	Proper structuring of the document with relevant subtitles, readability of document is high with correct use of grammar. Work is genuine and not published anywhere else
		2	Information is gathered without continuity of topic, sentences were not framed properly. Few topics are copied from other documents
		1	Information gathered was not relevant to the given task, vague collection of sentences. Content is copied from other documents
3	Content Knowledge	3	Student uses appropriate methods, techniques to model and solve the problem accurately
		2	Student tries to model the problem but fails to solve the problem
		1	Student fails to model the problem and also fails to solve the problem
4	Student Participation	3	Listens carefully to the class and tries to answer questions confidently
		2	Listens carefully to the lecture but doesn't attempt to answer the questions

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		1	Student neither listens to the class nor attempts to answer the questions
5	Technical and analytical Skills	3	The program structure is well organized with appropriate use of technologies and methodology. Code is easy to read and well documented. Student is able to implement the algorithm producing accurate results
		2	Program structure is well organized with appropriate use of technologies and Methodology. Code is quite difficult to read and not properly documented. Student is able to implement the algorithm providing accurate results
		1	Program structure is not well organized with mistakes in usage of appropriate Technologies and methodology. Code is difficult to read, and student is not able to execute the program
6	Practical Knowledge	3	Independently able to write programs to strengthen the concepts covered in Theory
		2	Independently able to write programs but not able to strengthen the concepts learned in theory
		1	Not able to write programs and not able to strengthen the concepts learned in Theory
7	Understanding of Engineering core	3	Student uses appropriate methods, techniques to model and solve the problem accurately in the context of multidisciplinary projects
		2	Student tries to model the problem but fails to solve the problem in the context of multidisciplinary projects
		1	Student fails to model the problem and fails to solve the problem in the context of multidisciplinary projects
8	Ethics	3	Student uses appropriate methods, techniques to model and solve the problem accurately in the context of multidisciplinary projects
		2	Student tries to model the problem but fails to solve the problem in the context of multi-disciplinary projects
		1	Student fails to model the problem and also fails to solve the problem in the context of multidisciplinary projects

Table 2.2.3(f): Rubrics for project reviews

Domain Analysis of Projects

Sl. No	Project Domains	No. of Projects			Mapping with POs/PSOs
		2017-2021	2016-2020	2015-2019	
1.	AI/ML	3	4	4	PO1-PO12, PSO1, PSO2
2	Web	27	26	10	PO1-PO12, PSO1, PSO2
3	Networking	6	2	-	PO1-PO12, PSO1, PSO2
4	Data Mining	-	-	-	PO1-PO12, PSO1, PSO2
5	Cloud Computing	1	1	-	PO1-PO12, PSO1, PSO2
6	Big data	4	-	5	PO1-PO12, PSO1, PSO2
7	Software Engineering	-	-	-	PO1-PO12, PSO1, PSO2
8	IoT	-	3	26	PO1-PO12, PSO1, PSO2
9	Image Processing	21	27	13	PO1-PO12, PSO1, PSO2
10	Block chain	-	-	1	PO1-PO12, PSO1, PSO2
11	Android App	2		1	PO1-PO12, PSO1, PSO2
12	Data Analytics	5	3	6	PO1-PO12, PSO1, PSO2
Total		69	65	66	PO1-PO12, PSO1, PSO2

Table 2.2.3(g): Domain Analysis of projects**Category Analysis of Projects**

All projects carried out by the students are categorized based on types of projects such as, application-based projects, research based, and review based. The summary of analysis report of the projects is given in the following table.

Analysis Support of projects

Table 2.2.3(g) is describing the number of projects completed by students of batch 2015-2019 and 2016-2020 categorized as application based and research based

Academic Year	Category of project	
	Application	Research
2017-2021	60	9
2016-2020	52	13
2015-2019	59	7

Table 2.2.3(h): Analysis Support of projects

Best Projects

S. No.	Hall Ticket No:	Name of the Student	Project Title	Name of the Project Guide
1	17911A05H1 17911A05H7 17911A05H8 17911A05D8	R Akhil V Varun Y Krishna Shashank DivyaGariga	Image based attendance System	Dr.B. Vijayakumar
2	17911A05C3 17911A05D1 17911A05E1 17911A05E2	Gowtham Raju Karunakar Reddy G Arun Reddy G Pavan Kumar	Graphical Password-A New Security Primitive based on Python	Mr. SubbarayaSarma PKV
3	17911A05L7	Kodamagullakausthub	Using Ensemble Machine Learning Algorithms for predicting Virus Based Diseases	Mr. M. Tarakeshwar Rao
4	17911A0510 17911A0559	Laxman VithanalaPhanindra	DockerX	Ms. G. Surekha
5	17911A05C2 17911A05F2 17911A05F4 17911A05J3	Sunil Adabala Gautam Sagar Chetan Medabony Bharat Annamaneni	AR View	Dr. B. Vijaya Kumar

Table 2.2.3(i): Best projects in 2020-21 academic year

S. No.	Hall Ticket No:	Name of the Student	Project Title	Name of the Project Guide
1	16911A05J4 16911A05L5 16911A05N6 16911A05N9	A Sowmitha Reddy K. Sai Srujana Rithika Thakur T. Mayuri	Face Mask Detection using Deep Learning	P Rajashekhar Assistant Professor
2	16911A05P3 16911A05L6 16911A05K6 16911A05P5	T Shresta K Madhuri G Roja Sri V Alekya	Reliability Improvement of Radial Distribution System with Smart Grid Technology	S Divya Assistant Professor
3	16911A05A3	PRADHYUMNA SONI	EDGE ELEMENT CONFIGURATION VALIDATOR	Dr. B. Vijaya Kumar
4	16911A0565 16911A05B5 16911A05B0 16911A05B3	Ayman Eathysham Syed Nusrat Ali Sahil Ramwal SiddarthMadupathi	ResQwalk App	Dr. D. Aruna Kumari

Table 2.2.3(j): Best projects in 2019-2020 academic year

S. No.	Hall Ticket No:	Name of the Student	Project Title	Name of the Project Guide
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1	15911A05C1 15911A05E5 15911A05H2 15911A05H5	A Akshara G Sowmya S Dhayana T Niharika	Providing authentication and security for digital image using watermarking techniques	Dr. B. Vijay Kumar Professor, CSE
2	15E41A0510 15911A05F9 15911A05E1 15911A05D5	K Aditi M Balraj G Sudeeptha C Karthik Jaiswal	Machine Learning: Gesture reading using KINET	Y.Praveen Kumar Professor
3	15911A05L9 15911A05P2 15911A05M0 15911A05M1	K. Amruth Kumar Reddy T. Anuvardhan Reddy M. Shakthidhar Reddy M. Bala Prasad	Blind Man's Eye	Mr. P. Narayana

Table 2.2.3(k): Best projects in 2018-2019 academic year

Outcome of student projects:

List of publications out of project works

S.No	Name of the Journal	Title of the paper	Name of the author
1	IJSRD - International Journal for Scientific Research & development	Tweets Emotion Interpretation data application	K.kausthub, KurukundraSreenathreddy
2	International Research Journal of Engineering and Technology (IRJET)	Commercial sales Prediction using multiple linear regression	Kodamagullakausthub
3	International Journal of Recent Technology and Engineering (IJRTE)	Faculty Feedback Analysis Systemwith EfficientGraph-Based Reports	Mohammed Munazzaruddin, Dhandaria Neelam, Mohammed Mateen, Rizwan Khan
4	International Journal of Recent Technology and Engineering (IJRTE)	Enimo-Energy Conservation System	M SriTeja, Ashfaq Nisar, K Vinay Kumar Reddy, G Vamshi Krishna
5	IEEE 8 th International Conference on Advanced computing	Emotion Recognising Assistant	G. Niharika
6	IEEE 8 th International Conference on Advanced computing	Sentiment Analysis- PETME	Y. Mahendra Rohit

Table 2.2.3(l): List of publications out of Student projects**List of Patents filed from projects**

S.No	Name of the student	Title of the patent
1	Nishit Reddy	Monstograin:Monitoring the stored gains in warehouses by continuously monitoring the temperature ,CO2,Humidity in the warehouses

Table 2.2.3(m): List of Patents**F. Quality of completed projects/ working prototypes.**

S. No	Projects hosted at VJIT by Students	Student rollno
1	Faculty feedback analysis system www.vjitfeedback.com	15911A05M4 15911A05M3 15911A05K1 15911A05N6
2	Online Grievance Cell www.grievance.vjit.ac.in	16911A0548
3.	Open Elective Options	15911A0505
4	Generative chatbot using recurrent Neural Network and NLP	16911A05J4 16911A05L5 16911A05N6
5	Reliability Improvement of Radial Distribution System with Smart Grid Technology	16911A05P3 16911A05L6 16911A05K6 16911A05P5
6	Attendance Calci	14911A0536
7	QR Helper	14911A0536

Table 2.2.3(n): Completed Projects working prototypes

G. Evidence of awards received by projects etc

S.No	Student Name	Event Name	Venue	Date	Award
1	Venkateshwara Rao Jayasurya	Google -DSC-Lead-	Google -DSC	1 st July 2021	GDSC Lead Certificate
2	K Vinay Reddy	Microsoft Student Partners	Hyderabad	2021	MSP Certificate
3	Lalith Akash K Ashritha	Hackathon	St. Peter's Engineering College	29 th -30 th January 2021	Cash prize Rs.5000
4	Lalith Akash	Encode Algorand Club Pre-Accelerator Program " VerifyMe "	hosted virtually	10 th September -24 th November 2020	15,101 Algo (INR 3.3 Lakh at the time of transfer)
5	Lalith Akash	Post Covid Hack Global Blockchain Hackathon "Impact of Investment and Lending post COVID-19"	hosted virtually	1 st August to 8 th November 2020,	3 rd Position Prize Money: 0.3 Bitcoin (INR 4.18 Lakh equivalent at the time of transfer)
6	Sai Pranav T	Ideathon'20 "Social Community Problems"	VJIT	20 th -23 rd September,2020	Certificate of appreciation
7	Ashfaq Nisar Vamshi Krishna Manogna Vinay Kumar	Smart India Hackathon (SIH-2020)	National Level event	June -2020	Winner
8	L Nishit Reddy Sai Yuva Teja B Chaitanya P Dheeraj Reddy	EXCITE-2020	JNTUH	18 th June-2020 30 th July 2020	2 nd Position
9	B Lalith Akash	Internship	PollyApps LLC USA	August 2020	Best Intern

Table 2.2.3(o): Received awards 2020-2021

S.No	Student Name	Event Name	Venue	Date	Award
1	Ashfaq Nisar Vamshi Krishna Manogna Vinay Kumar	Smart India Hackathon SIH-2020	National Level Event	SIH-2020	Winner
2	Lalith Akash	"QUEST-2020" Paper Presentation Published in IJERT March 2020.	JNTUH college of Engineering	12 th -13 th March 2020.	1 st Prize

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3	Sameer Desai Chethan Sunil Bharath	Challenge ACI A 48-hour National Level Hackathon	GRIET, Hyderabad	11 th -13 th October 2019	1 st Prize (Rs. 20000/-)
4	M. Harshit Reddy	IASF 2020 “Education Augmentation”	Anurag Group of Institutions	4 th -7 th January 2020	Winner
5	Sameer Desai Chethan Sunil Bharath	IoT Hackathon	AGI Hyderabad	31 st August 2019	Winner
	T Naga Sai Sivani	HealthCare 4.0 36 hours Hackathon	VNRVJIET	11 th -12 th Jan 2020	Participated
6	Sameer Desai Chethan Sunil Bharat h	ICTIEE-2020 Poster Presentation “ViReSa”	Anurag Group of Institutes	5 th -8 th January 2020	2 nd Prize (Rs. 10,000/-)
7	B.Ramu Akshat Agrawal S.Kishore Kumar N.Thrun Reddy	CTIEE-2020 paper presentation	Anurag Group of Institutes	5 th -8 th January 2020	Accepted, Presented, and discussed during the conference
8	K Vinay Kumar Reddy.	Microsoft students partner (MSP)	Microsoft Hyderabad	December 2019	Selected as MSP of VJIT
9	M. Ankitha	IASF 2020 Track Sanitation titled “Eco Friendly Incinerator”	Anurag Group of Institutions	4 th -7 th January 2020	Runner-up (Rs.1000/-)
10	Thejus Verma, Taseen, Sapan Raj Mathur Saumyagupta	Internal Hackathon	VJIT	21 st December 2019	2 nd prize (Rs. 3000/-)
11	Y Nikhita Naidu	Kalam Book summary writing contest 2019.	ICT Academy	27 th September- 2019	1 st Runner- up (Rs. 5000/-)
12	P Dheeraj Reddy Sai Yuva Teja B Chaitanya L Nishit Reddy	J-HUB Hackathon League	CVR College of Engineering	27 th & 28 th December 2019	3 rd Position

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13	Sai Yuva Teja B Chaitanya P Dheeraj Reddy L Nishit Reddy	JHUB league National Level Hackathon “ROBOTIC PROCESS AUTOMATION”	Geethanjali College of Engineering & Technology	23 rd -24 th December 2019.	3 rd Position Cash prize Rs. 5000/-
14	Sri Teja Makam Vinay Kumar Reddy	Qlik Datathon Challenge#4	Qlik and C40 cities	February to May 2020.	Winner
15	G Vishnu Vendith	National level Conclave On Cyber policing best practice meet- 2019	Cyber Cell Hyderabad	24 th November 2019	Certificate of appreciation
16	RamuBabinolla	Google cloud Webinar	online	28 th November 2019	Participated

Table 2.2.3(p): Received awards in 2019-2020

S.No	Student Name	Event Name	Venue	Date	Award
1	Ashfaq Nisar, Vinay Reddy, Vamshi Krishna, ManognaRayasam, ManasaKunduri	“NASA INTERNATIONAL SPACE APPS CHALLENGE 2018” “Mars Habitat Design”.	BVRIT Hyderabad	2018	1 st Prize
2	Ashish Agarwal Ayman Ethysham M Dharani Reddy Ch Prerana	HTML5 – Application development fundamentals	Microsoft Technical Associate	7 th -31 st July 2018	Certified
3	Ch Prerana	“Android App Development”	My Captain	2018	Certified
4	P Arun Kumar M Siddarth A Revanth DivyaBaddam Sowmya G	Level-1 in C	Rank Sheet Certified Professional	2018	Certified
5	G Sowmaya Manoj CVSR	Level-2 in C++	Rank Sheet Certified Professional	2018	Certified
6	Ch Prerana	IoT challenge	IIT Bombay	2018	Certified
	Ch Prerana	Career Focus	Imbuedesk	2018	Certified
7	P Tanuja	Machine Learning	Pantech	22nd June 2018	Attended
8	Ch Prerana	Talent Battle Placement Heart	Online National Mock Placement	2018	Participated

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		2.0	Contest		
9	K Himaja, P Mounika, Rebecca N, B. Lavanya Paper ID: ICOCAC-2018- CSE-16	International conference on communications and advance computing- ICOCAC-2018 Title: an Ubiquitous smart Dumpster with user interface implemented using sensors and arduino UNO	KG Reddy College of Engineering & Technology	20th and 21st December 2018	Paper Presentation
10	Ram Chandra N Sai Aparnaji S Sai Priya Hari Chandana Sivaraju	Java Tutorial Code your First Game Photoshop Effects Scilab	Udemy	21st November 2018	Completed
10	Ch Prerana	Python course	TechGig	2018	Certified
11	P sinitish P Rajkumar	Level-2 in C	Rank Sheet Certified Professional	2018	Completed
12	Vijay Reddy	Six week online Training on “Android App Development”	INTERNSHALA	15th August-25th Sept 2018	Completed
13	Ch Meghana V Udaya	Youth Speak Forum 2018	BITS	2018	
14	P Tanuja Ch Meghana	ATOMS-AI Workshop	BITS	2018	Attended

Table 2.2.3(q): Received awards in 2018-19

2.2.4. Initiatives related to industry interaction

The Department maintains collaboration with the industry with the Memorandum of understanding to provide training on latest technologies to bridge the gap between curriculum and Industrial requirement. Program curriculum provides various methods for industry interaction in addition to the initiatives taken by the management.

MOU's was done with industries to emphasize on

- Internship
- Project Works for Students
- Industrial Visits
- Faculty Development Programs

Department of Computer Science and Engineering made MoU with the following industries:

Sl	Industry	Signed On	OUTCOME OF THE MOU
1	Qlik	11.9.2017	Data Analytics CoE Online Learning & Certification
2	Virtusa	04.07.2019	Software Testing – CoE Job, Internship, Guest Lecture, Certification in in ISTQB and OJCP Staff Training
3	Talent Sprint	9.6.2020	Online Learning and Assessment Platform Hackathon
4	GoHexa	25.11.2020	Assessment Platform for Aptitude, Quant, Verbal and Coding.
5	One Compiler	17.11.2020	Online Coding platform.
6	FaceHiring	20.10.2020	Career Counselling and Placement Assistance
7	Crampete	28.10.2020	Virtual Self learning tool on Programming
8	Talentio	10.6.2016	Training, Assessment, Mentoring. Online Assessment support
9	Oracle	03.11.2016	Online Learning opportunity for students.
10	Bennette University	27.4.2018	Faculty Training, Workshop for staff and students
11	Blue Prism	21.08.2020	Blue Prism Certification
12	Edunet Foundation	5.8.2021	Certification
13	ISchool Connect Technologies	5.8.2021	Higher education

Table 2.2.4(a): Details of MOUs signed with industries



Fig.2.2.4(a)MoU with Virtusa Centre of Excellence andQlik
Center in AI & Deep Learning with Bennet University, Noida.



Fig.2.2.4(b)VJIT team with Bennet University R& D Coordinator Dr. DeepakGrag
A. Industry supported laboratories (5)

Industry-supported laboratories develop best learning process using a comprehensive understanding of industry's best practices for both students and faculty. This initiative imbibes professionalism, behaviour aspects, and awareness about industry expectations and also aligns aspirations of the students with the needs of the industry promoting career counselling by senior corporate personnel.

S.No	Industry	Objectives
1	Oracle Academy	As Oracle's global, philanthropic educational program, Oracle Academy advances computing education around the world to increase knowledge, innovation, skills development, and diversity in technology fields.
2	Center of Excellence in Data Analytics (Qlik)	Qlik Sense is a complete data analytics platform that sets the benchmark for a new generation of analytics. With its one-of-a-kind associative analytics engine, sophisticated AI and high-performance cloud platform, you can empower everyone in your organization to make better decisions daily, creating a truly data driven enterprise
3.	CISCO	Cisco became part of Network Academy to make every class a success story for global community, flexible curriculum, professional development, certifications, carrer opportunities

Table 2.2.4(b): Industry Supported Laboratories



Fig.2.2.4(c): Qlik Center of excellence

B. Industry involvement in the program design and Curriculum

S.No	Name of the Expert	Designation	Company	Contribution	Period
1	Subramanyam	Delivery Head	TCS	BOS Member	2020-21
2	Subramanyam	Delivery Head	TCS	BOS Member	2019-20
3	BSC Reddy	Senior Manger	Devon services solutions	Stake holder	2020-21 2019-20
4	S. Srikanth Raja	Delivery Manager	DBS ASIA	Stake holder	2020-21 2019-20

Table 2.2.4(c): Industry Involvement in the curriculum**C. Industry involvement in partial delivery of any regular courses for students**

1. Courses offered by industry to students

S.No	Event Name	Resource Person	Topic Covered	Courses	Pos/PSOs
2020-21					
1	Webinar on “Cyber Security” 8/10/2020	Mr. C Swamy Pantech Learning	Live knowledge sharing sessions by industry experts on latest and trending skills and technologies.	Information Security, Computer Networks	PO1-PO5, PO8-PO12
2	Webinar on “Object Oriented Programming Concepts” 01 st 8 th June, 2021	Mr. Syed Rehmath, Senior Software Engineer, Gap Inc India	Knowledge sharing on OOPs Concepts like Classes, Objects, Inheritance etc.	Object Oriented Programming	PO1-PO5, PO7-PO12
3	Webinar on “Chat Bot Development using NLP” 31 st July, 2021	Mr. Aleti Praneeth Reddy, Software Engineer, Capgemini.	Chat Bot Development	NLP	PO1-PO5, PO6-PO12

Table 2.2.4(d): Courses offered by Industry academic year 2020-2021

S.No	Event Name	Resource Person	Topic Covered	Courses	POs/PSOs
2019-20					
1	Google cloud Study Jam 22 Aug 2019	Ankur sharma, Annu Chowdary	One day workshop on google cloud	Cloud Computing	PO1-PO12
2	JIT 3rd October, 2019	Mr. P. M. Balaji, Associate Vice President, Toshiba Company, Tokyo	Guest lecture on Just-In Time” (JIT) Inventory System	Inventory strategy to increase efficiency	PO1-PO12

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				and decrease waste by receiving goods	
3	Internal Hackthon 21 Dec 2019	IIIC	VJIT organized an ‘Internal Hackathon’	Project work	PO1-PO12
4	AI 24 Jan 2020	Mr. Jothi Periasamy , Chief AI Architect, Deepsphere, AI	One- Day Workshop on “Enterprise Artificial Intelligence”	Data Warehousing and Data Mining, Machine learning	PO1-PO12
5	The J-Hub Hackathon 31 Jan to 1 Feb	Mr. V. Ravi, Product Manager, Tech Mahindra	Two Day workshop on “Energy Conservation and Recent Trends” i	Project work	PO1-PO12
6	Redhat Linux 24 Feb 2020	Mr. Aneesh PV, Manager Prodevans	A Guest Lecture on Redhat Linux	LINUX, Operating System	PO1-PO12
7	Fiber Eco Systems 5 & 6 Mar 2020	STL Academy	Webinar on F.Tech in association with task	Environment al studies Computer Networks	PO1-PO4, PO7, PO8, PO11
8	Geographic Information System 14 th March 2020	Mr. Jagadeesh Sr. Lidar Analyst, Technoflair Solutions Pvt. Ltd	A Seminar on “Geographic Information System”	Environmant al studies Computer Networks	PO1-PO4, PO7, PO8, PO11

Table 2.2.4(e): Courses offered by Industry academic year 2019-2020

S.No	Event Name	Resource Person	Topic Covered	Courses	POs/PS Os
2018-19					
1.	Ethical Hacking and Cyber Security 29& 30 sep 2018	Mr. Deepak, CISCO	Two-dayworkshop on Network Security	Information Security,Co mputer Networks	PO1-PO5, PO8-PO12
2.	Big data Analytics 8 Oct 2018	Mr.A. Venkata Venugopal, IT Analyst, TCS Hyderabad	A one-day seminar on Big Data analytics	Big data Analytics	PO1-PO12
3.	Augmented Reality and Virtual Reality 28 & 29 sep 2018	Ms. Neha, Eduridge Pvt. Ltd	A Two-day workshop on Augmented Reality and Virtual Reality	Image Processing	PO1-PO4, PO11, PO12
4.	Virtual labs July 2018	MHRD Govt.	one day workshop on “virtual labs”	Remote Access to labs	PO1-PO12
5	Two day Hands on work shop	Mr. P Mohan, Senior Data Science Scientist	Hands on workshop	Data Warehousin	PO1-PO12

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	Machine learning” 6 th & 7 th Oct 2018	TechMahindra Hyderabad.	Machine learning”	g and Data Mining, Machine learning	
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Table 2.2.4(f): Courses offered by Industry academic year 2018-19

2. Participation of faculty in programs delivered by experts from Industries.

Table 2.2.4(g) shows the list of faculties who have participated in faculty development programs delivered by experts from industries.

Academic year	Date	Title	Faculty	Organization
2020-2021	17/8/20 to 19/8/21	Android development with Kotlin	Dr.B.Vijay Kumar	Trainthe, Google developers
	17/8/20 to 19/8/21	Android development with Kotlin	G.Surekha	Trainthe, Google developers
	26/4/2021 to 30/4/2021	Database programing with SQL	B.Sailaja	Jitendra Jha(Oracle master trainer)
	6/7/2021 To 9/7/2021	Catalyst Developer	KSRK Sarma	Shalivahana K, TASK
2019-20	27/7/2020 to 31/7/2020	Database Programming with PL/SQL	Ch. Deepika	Expert from oracle academy
	4/5/2020 To 5/5/2020	Spring Boot, Maven	PKV Sarma	Expert trainer from Virtusa
	15/8/2019 To 17/8/2019	Salesforce Tralmixes	Y Prabhu Kumar	Expert trainer from TASK

Table 2.2.4(g) List of faculties who have participated in faculty development programs delivered by experts from industries

D.Impact analysis of industry institute interaction and actions taken thereof

Industry institute interaction impact is analysed throug

Workshops and Faculty Development Programs-The department conducts

workshops and Faculty Development Programs every year for the benefit of faculty and students to enhance their skill set.

- Training by industry experts –MOUs
- Involvement of Industry experts in curriculum design
- Guest lectures by industry experts.
- Industrial visits by students.

- Project works related to industry.
- Improvement in Internships

1.2.5 Initiative related to industry internship/summer training

Industry Institute Interaction cell (IIIC) has been Initiated in VJIT with the vision of strengthening industry academia interaction and reducing the gap in learning through industrial practices for student. This cell aims at knowing the industry requirements and for improving the quality of internships and placements. Good number of students registered for internships are eventually got placed in the Companies like Capgemini, Virtusa, ClusterIT, packet pro, Cloud IO, Dhruv Soft, Chegg, Rubicon, Red, Cognizant, Hexaware, Rockwell. Projects done by students as interns in the industries are real time projects that created an opportunity to experience hands on learning technical skills. To bridge this gap and to achieve the vision of the cell, several events such as guest lectures, workshops and technical seminars are conducted for creating internship opportunities for placements.

Focus of IIIC:

- To enhance the relationship between the Institute and Industry.
- To promote participation of industry personnel in the development of curricula & high-quality student projects.
- Center of Excellence/Memorandum of Understanding between the Institute and Industries
- Visits of industry experts and practicing engineers to the Institute for monitoring research work and laboratories, discussions and delivering lectures on industrial practices, trends and experiences.
- Visits of faculty to industry for study and discussions or delivering lectures
- To facilitate industrial training for students, internship programs and students' study tour programs
- To encourage entrepreneurial activities among the students
- To support consultancy/ training services using the institutional expertise
- To identify the industries for support in academic activities through Corporate Social Responsibility (CSR) program

IIIC Team - CSE Department

Dr.B.Vijayakumar HOD-CSE

Dr.K.Ramesh Babu ,Associate Professor

Dr.K.L Prasad ,Associate Professor

KSRK Sarma, Assistant Professor

Divya ,Assistant Professor

Activities under IIIC

1. To identify resources and facilitate Guest Lectures, Workshops, Conferences, Seminars
2. To Sign MoU for different purposes
3. To conduct Industrial Training, Orientation Courses, Industrial Visits etc for faculty and students
4. To execute students' projects at industry level
5. To create more internships and more jobs
6. To facilitate professionals from industry as visiting faculty
7. BOS member - to seek and associate with experts from industry in curriculum development and review.
8. Consultancy and R&D support from Industry
9. To have more Centers of Excellence (CoE)
10. Joint professional body activities like CSI ISTE, IETE, IEEE etc.

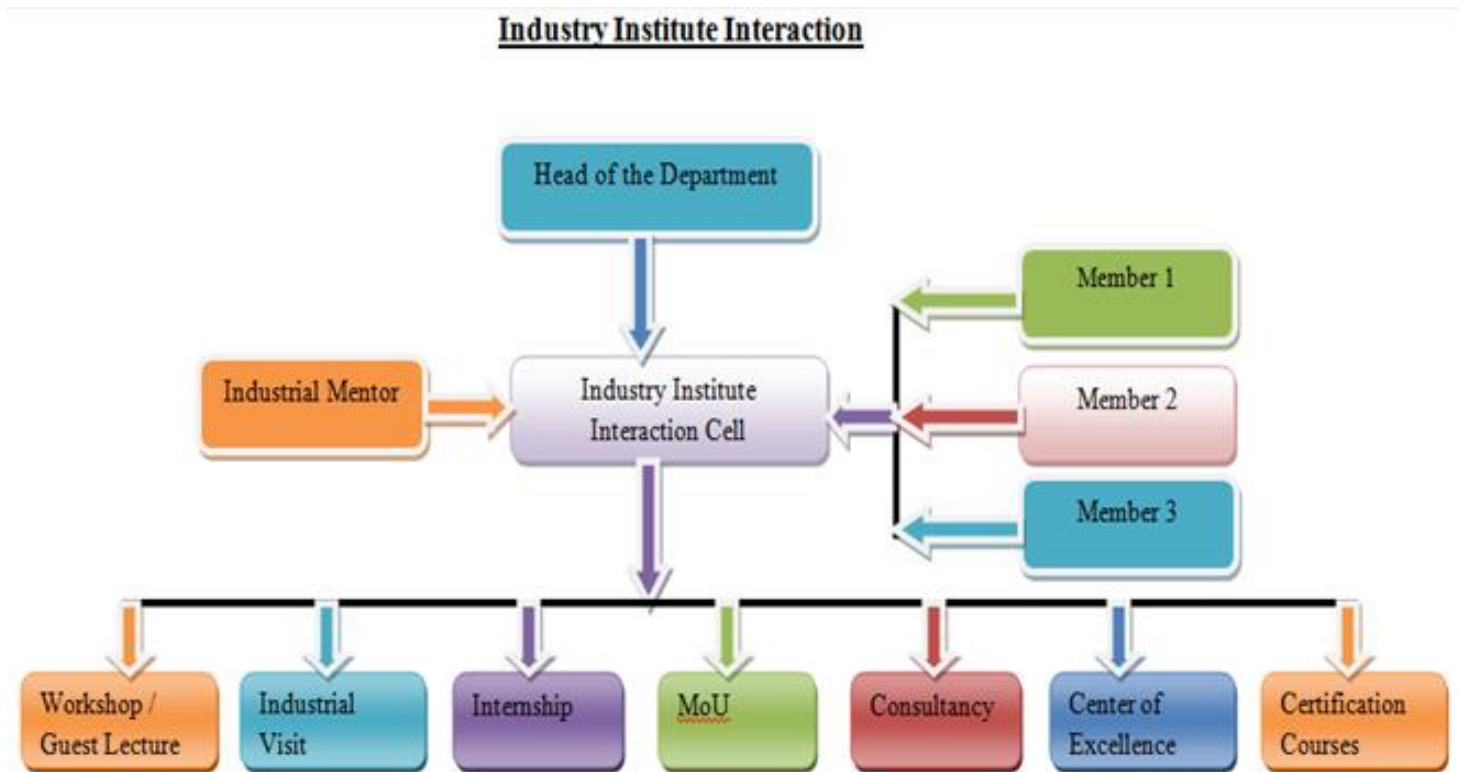


Figure2.2.5(a) : Industry Institute Interaction Cell

A. Industrial training for students /tours for students

S. No	Date Duration	Workshop Name	Conducted By	Department	No. Students Attended
1	30/7/2020 to 07/08/2020	TCS Codevita Training	Talentio	CSE	92
2	15/8/2020 to 24/8/2020	Capgemini Company Specific Training	Talentio	CSE	52
3	16/12/2020 to 19/12/2020	Aptitude training	Talentio	CSE	95
4	30/01/2021 to 15/01/2021	Aptitude training	Talentio	CSE	66
5	1/4/2021 to 29/1/2021	Aptitude training	Talentio	CSE	61

Table 2.2.5(a): Industrial Training for students academic year 2020-2021

S. No	Date Duration	Workshop Name	Conducted By	Department	No. Students Attended
1	01/06/2019 to 09/06/2019	C Programming & C++ by Cantiliver	TASK	CSE	90
2	22/7/2019 to 26/7/2019	CapGemini Company Specific Training	Talentio	CSE	55
3	1.8.2019	CapGemini Company Specific Training	Talentio	CSE	45
4	17/8/2019 to 20/8/2019	Cognizant company Specific Training	Talentio	CSE	64
5	8/9/2019 to 12/9/2019	Cognizant company Specific Training		CSE	42
6	27/9/2019 to 30/9/2019	CapGemini Company Specific Training	Talentio	CSE	52
7	11/12/2019 to 15/12/2019	Pre-placement	Talentio	CSE	49

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		Training on Aptitude			
8	21/05/2020 to 30/05/2020	Capgemini Company Specific Training	Talentio	CSE	49
9	01/06/2020 to 06/6/2020	TCS Company Specific Training	Talentio	CSE	45

Table 2.2.5(b): Industrial Training for Students academic year 2019-2020

S. No	Date Duration	Workshop Name	Conducted By	Department	No. Students Attended
1	05/06/2018 to 08/06/2018	Summer Training (Advanced Programming, Aptitude and Verbal)	TALENTIO	CSE	36
2	21/01 /2019	Lean Technocrat Training (Mech & EEE)	Upgrade	CSE	50
3	21/05/2019 to 22/05/2019	SoftSkills Training	TALENTIO	CSE	94
4	22/05/2019 to 31/05/2019	Pre-placement Training on Aptitude	TALENTIO	CSE	48

Table 2.2.5(c): Industrial Training for Students academic year 2018-2019

Industry Visits by students

S.No	Academic Year	Batch/year	Name of the company Visited	Date of Visit	No. of Students
1	2019-2020	2017-2021	INCOIS (Indian National Centre for Ocean Information Service) Hyderabad	14 th March	60

Table 2.2.5(d): Industrial Visit



Figure 2.2.5(b): Industry Visit

B. Industrial /Internship /summer training of more than two weeks and post training Assessment

Number of Internships offered to students in the various Academic years

S.No	Academic Year	No Of students attended
1	2020-2021	161
2	2019-2020	95
3	2018-2019	157

Table 2.2.5(e): Total number of Internships academic year wise

S.No	Company Name	Duration	No. of Students
1	ACS Solutions	1 Month	9
2	Badlav seva saimti NGO	3 Months	1
3	Blue Lit Solutions LLP	4 Months	1

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4	Brain O Vision Solutions INDIA Pvt.Ltd	2 Months	1
5	BTV	1 Month	1
6	Capgemini	3 Months	24
7	Career Launcher	2 Months	2
8	CodeSpeedy Technology Private Limited	1 Month	1
9	COIGN	6 Months	1
10	Creatist	1 Month	1
11	Dash Beyond	10 Days	1
12	Doubtnut	5 Months	10
13	EduSkills	1 Month	1
14	Epam Systems	6 Months	2
15	EXPOSYS	1 Month	1
16	Exposys data labs	1 Month	4
17	Finsave Technologies Pvt. Ltd.	3 Months	1
18	Growth Hacker at The Entrepreneurship Network	1 Month	1
19	Hexaware	3 Months	3
20	HouseItt	15 days	1
21	Inmovidu Technologies	1 Month	1
22	International-MUN	1 Month	1
23	Internshala Trainings	45 Days	1
24	Internship studio	2 Months	2
25	Inventrom Private Limited (Bolt IoT)	2 Months	1
26	Kenmarkitan solutions	5 Months	1
27	Knowledge Solutions India	42 Days	1
28	Knowledge solutions India - Microsoft AEP	3 months	1
29	Mediamint	2 Months	7
30	MedTourEasy	1 Month	1
31	Mindler	2 Months	3
32	Multiplier Solutions	1 Month	8
33	Nagaroo	1 Month	4
34	Nanjil Anand Foundation	3 Months	1
35	Pankaj sir Academy	1 Month	3
36	pixXmo	6 Months	1
37	Pole To Win	3 Months	2

NBA SAR

38	Polly Apps LLC	3 Months	4
39	Qspiders	2 Months	10
40	RBDS	1 Month	1
41	Seethos	1 Month	1
42	Shine projects	1 Month	1
43	Skillssquad	2 Months	1
44	Smartknower	1 Month	1
45	Sparks foundation	2 Months	1
46	SpringML	4 Months	3
47	Supero Software limited	2 Months	1
48	SWABHAV TECH LABS	1 Month	1
49	Taken Mind	1 Month	1
50	Team Everest	2 Months	1
51	The Climber	2 Months	1
52	The Sparks Foundation	1 Month	1
53	TSSS INFOTECH AND INFRA	2 Months	1
54	Value Momentum	4 Months	4
55	Virtusa	6 Months	17
56	Voice4Girls	1 Month	1
57	Wiley-mthree	1 Month	3

Table 2.2.5(f) Internships in 2020-21 academic year

S.No.	Company Name	Duration	No. of Students
1	Affluent Global services Pvt. Ltd.	1 Month	1
2	Air Drive Smart Sol. Pvt. Ltd.	6 Months	1
3	Akhil Chakravarthy	2 Months	1
4	BHEL	1 Month	1
5	BOLT	2 Months	1
6	Capgemini	3 Months	12
7	Casio	1 Month	1
8	Cisco	5 Months	2
9	Cloud IO	3 Months	1
10	Crime Investigation Department, Telangana State Police Department	6 Months	1
11	Data Ready Products	5 Months	1
12	Data Ready Products India Pvt. Ltd.	5 Months	1
13	Edoofa(Project Partner of Bobble keyboard)	2 Months	1
14	Ennoble Technologies India Pvt. Ltd.	3 Months	3
15	Error Technologies	1 Month	1

NBA SAR

16	ez Trainings	1 Month	1
17	Ezerka Technology Solutions	4 Months	1
18	GoalStreet Internships	3 Months	1
19	Hexaware	6 Months	1
20	Humanity Welfare Council	2 Months	1
21	IARC Centre For United Nations	2 Months	1
22	IC Softech	6 Months	3
23	India Youth	3 Months	1
24	Indian Servers	4 Months	1
25	Inkwall technologies pvt ltd	1 Month	1
26	Innomatics Research	3 Months	2
27	Intelligence by NTT Data	4 Months	7
28	Internshala	2 Months	1
29	KaaShiv	1 Month	1
30	KPMG Australia	1 Month	1
31	Manac Infotech	2 Months	1
32	Manac Infotech Private Limited	4 Months	2
33	Microsoft	3 Months	2
34	MTX Group Inc.	20 Days	1
35	NativeAppDev	2 Months	1
36	Numeric Technologies	4 Months	1
37	Olik	2 Months	1
38	Oppo	3 Months	2
39	OYO Rooms	2 Months	1
40	Peabody Soft	3 Months	2
41	Rapid BiZ Apps	6 Months	2
42	Rockwell Collins Aerospace	5 Months	1
43	Rubicon Red	6 Months	3
44	Shine Projects	1 Month	1
45	TakenMind Organization	2 Months	1
46	Talentio	1.6 Months	1
47	TCS ION	3 Months	1
48	Technoverse	1 Month	3
49	Techworks Lab	1 Month	1
50	T-Hub	2 Months	1
51	Transcend Street	3 Months	1
52	UExcelrate	3 Months	1
53	Unify Technologies	4 Months	1
54	Valuelabs	3 Months	2
55	Verzeo	2 Months	8

Table 2.2.5(g) Internships in 2019-2020 academic year

S No	Company Name	Duration	No. of students
1	ATIIVANNS Info Pvt. Ltd.	1 Month	1
2	Azure Skynet Authority	1 Month	1
3	Inclusive Services & Technologies Pvt. Ltd.	6 Months	3

NBA SAR

4	Capgemini	3 Months	36
5	Virtusa Pvt. Ltd.	2 Months	2
6	JHub	2 Days	1
7	Dr. Reddy's Foundation	2 Months	1
8	India's World Champion Academy	3 Months	1
9	Rubicon Red Software India Pvt. Ltd.	6 Months	6
10	SK Techsol Engineers Pvt. Ltd.	1 Month	57
11	Talentio Solutions India Pvt. Ltd.	2 Months	11
12	UangtemanTechnologiesPvt. Ltd.	3 Months	1
13	Vitwit Technologies Pvt. Ltd.	3 Months	1
14	AVTES OPC Pvt. Ltd.	1 Month	1
15	Saachi Informatics Pvt. Ltd.	1 Month	2
16	SmartBridge Educational service Pvt. Ltd.	2 Months	1
17	Suntek Corp Solutions Pvt Ltd	1 Month	31

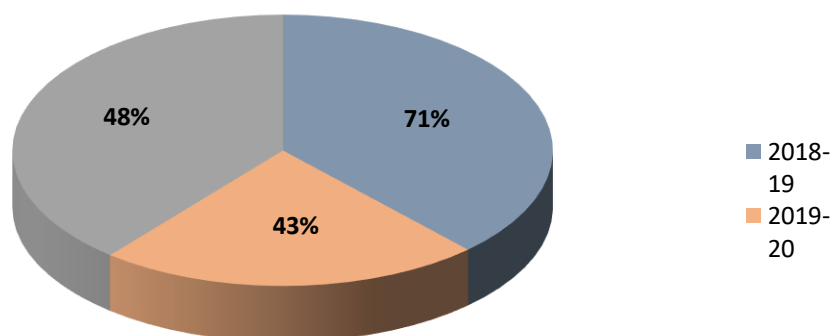
Table 2.2.5(h) Internships in 2018-2019 academic year

C. Impact analysis of industrial training

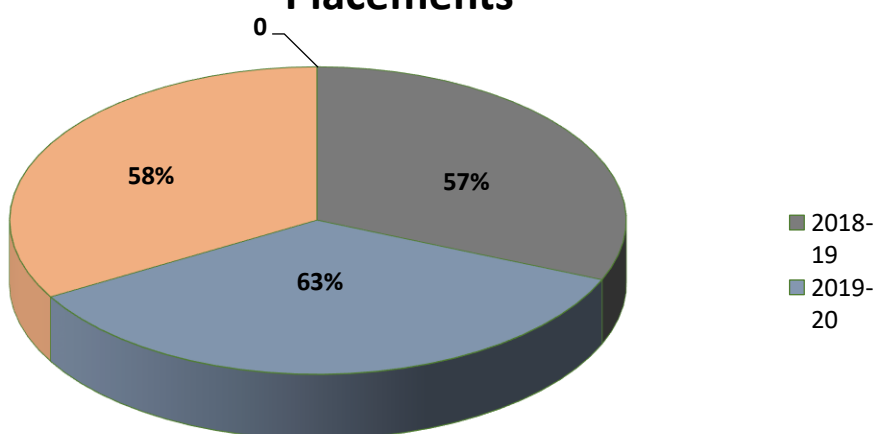
Analysis of Impact of industry internship/summer training:

- Internship/ summer internship expose the students to workplace realities, challenges, and culture, thereby ensuring that on completion of their program, the students are industry / corporate world ready
- Students understand the importance of ethical practices at the workplace
- It enables the students and faculty to analyze gaps in the knowledge / skill sets being imparted at the university which then are supplemented by additional courses / trainings during the remaining duration of the program.
- Students can select projects to find solutions to the problems faced by the industries where they intern
- The student understands the applications of the theoretical concepts given in the class room
- The student is able to identify emerging job opportunities and the corresponding skill sets required
- Students also develop a network of associations / relationships in the organizations they intern with, which translates into industry mentor-mentee relationships
- The good performance of interns motivates companies to participate in campus placement process
- Students learn to appreciate the inter-disciplinary nature of work environment
- Students gain an insight into managerial approaches and importance of teamwork

Internships



Placements



Industry Projects

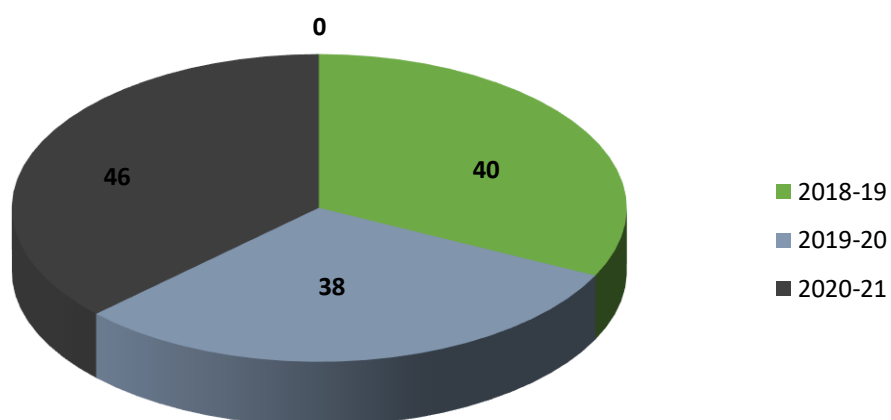


Figure2.2.5(c):Impact analysis

D. Student feedback on initiative

The department takes the students' feedback as a regular practice in industrial training. Feedback is considered for further improvement for the same.

The following points are considered while taking the feedback from the students on Industrial Visit .

- Was the Internship/Training satisfactory (1 – 3 , Where Three is Highest)
- New Learning from the Internship/Training
- Best Part of the Internship/Training
- Names of one or two persons from the Industry whom you have interacted and the Outcome
- What are the expectations for the upcoming Internship/Training
- Any other suggestions


Vidya Jyothi Institute of Technology
(An Autonomous Institution)

 (Accredited by NAAC & NBA, Approved by AICTE New Delhi & Permanently
 Affiliated to JNTUH)

Aziznagar Gate, C.B. Post, Hyderabad-500 075

Department of Computer Science and Engineering
Student Evaluation of Internship
Name:
Email:
Date:

These questions are designed to help students currently looking for internship opportunities to learn more about whether this particular experience will be valuable for them. Please answer these questions honestly and thoughtfully. Rate the statements below using the following key.

3 = Strongly Agree
2 = Agree
1 = Disagree

The experience gave me a realistic preview of this career field

1. As a result of my internship, I have a better understanding of concepts, theories and skills in my course of study

1	2	3
---	---	---

2. I had a regular meetings with my supervisor and received constructive, ongoing feedback

1	2	3
---	---	---

3. I was provided levels of responsibilities consistent with my ability and was given additional responsibility as my experience increased

1	2	3
---	---	---

4. The work I performed was challenging and stimulating

1	2	3
---	---	---

5. I was treated on the same level as other employees

1	2	3
---	---	---

6. I had a good working relationship with my coworkers

1	2	3
---	---	---

7. There were sample opportunities for learning

1	2	3
---	---	---

8. I feel that am better to enter the world of work after this experience

1	2	3
---	---	---

9. Would you recommend this internship to other students?

1	2	3
---	---	---

a) Highly recommended

b) Recommend

c) Recommend with reservation

d) Would not recommend

Signature of the Student

CRITERION 3	COURSE OUTCOMES AND PROGRAM OUTCOMES	175
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Define the Program specific outcomes

PSO1	The ability to design and develop Algorithms to provide optimized solutions for societal needs.
PSO2	Apply standard approaches and practices in Software Project Development through trending technologies.

3.1 Establish the correlation between the courses and the Program Outcomes (POs) and Program Specific Outcomes (PSOs)	Total Marks 25
Program Outcomes as mentioned in Annexure I and Program Specific Outcomes as defined by the Program	
3.1.1 Course Outcomes(COs)(SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses and made available as evidence, if asked) ()	

NBA SAR

S. No		Code	Subject
1.	101	A11001	English -I
2.	102	A11002	Mathematics -1
3.	103	A11003	Engineering Physics -1
4.	104	A11502	C Programming -1
5.	105	A11004	Engineering Chemistry
6.	106	A11303	Engineering Graphics
7.	107	A11081	ELCS Lab-I
8.	108	A11581	C Programming Lab -1
9.	109	A11083	Engineering Physics andChemistry Lab
10.	110	A11583	IT Workshop
11.	151	A12005	English -II
12.	152	A12006	Mathematics -II
13.	153	A12007	Engineering Physics -II
14.	154	A12503	C Programming -II

NBA SAR

15.	155	A12009	Mathematics -III
16.	156	A12203	Basic Electrical Engineering
17.	157	A12085	ELCS Lab-II
18.	158	A12584	C Programming Lab -II
19.	159	A12382	Engineering Workshop
20.	201	A13014	Probability & Statistics
21.	202	A13504	Mathematical Foundations Of Computer Science
22.	203	A13505	Data Structures
23.	204	A13406	Digital Logic Design
24.	205	A13506	Object Oriented Programming
25.	206	A13401	Electronic Devices & Circuits
26.	207	A13585	Data Structures Lab
27.	208	A13483	Electronic Devices & Circuits& Digital Logic Design Lab
28.	251	A14507	Design Analysis Of Algorithms
29.	252	A14508	Computer Organization
30.	253	A14509	Database Management Systems
31.	254	A14510	Software Engineering

NBA SAR

32.	255	A14511	Java Programming
33.	256	A14016	Environmental Studies
34.	257	A14586	Java Programming Lab
35.	258	A14587	Database Management Systems Lab
36.	301	A15512	Linux Programming
37.	302	A15513	Computer Networks
38.	303	A15514	Operating Systems
39.	304	A15515	Formal Languages And Automata Theory
40.	305	A15518	Human Computer Interaction
41.	306	PE2	PPL
42.	307	OE	Introduction To Microcontroller & Applications
43.	308	OE	Basic Electronics & Instrumentation
44.	309	OE	Non-Conventional Energy Sources
45.	310	OE	Elements Of Mechanical Engineering
46.	311	OE	IE
47.	312	OE	Smart City
48.	313	OE	EMG

NBA SAR

49.	314	OE	Total Quality Management
50.	315	A15588	Operating Systems & Computer Networks Lab Through Linux
51.	316	A15089	Advanced Communication Skills Lab
52.	351	A16522	Web Technologies
53.	352	A16523	Compiler Design
54.	353	A16525	Data Warehousing And Data Mining
55.	354	A16018	Managerial Economics And Financial Analysis
56.	355	A16526	Object Oriented Analysis And Design
57.	356	OE	Fundamentals Of Embedded Systems
58.	357	OE	Principles Of Communications
59.	358	OE	Principles Of Electrical Power Utilization
60.	359	OE	Energy Auditing And Conservation
61.	350	OE	Basic Automobile Engineering
62.	351	OE	Material Science Engineering
63.	352	OE	Green Building Technologies
64.	353	OE	Environment Pollution & Control Methods
65.	354	OE	Financial Institutions And Markets

NBA SAR

66.	355	A16589	Web Technologies &Case Tools Lab
67.	356	A16590	Compiler Design & Data Mining Lab
68.	401	A17531	Mobile Application Development
69.	402	A17532	Information Security
70.	403	A17533	Cloud Computing
71.	404	A17535	Big Data Analytics
72.	406	A17537	Internet Of Things
73.	407	A17538	Advanced Databases
74.	409	A17534	Software Testing Methodologies
75.	410	OE	Introduction To Mat Lab
76.	411	OE	Energy Storage Systems
77.	412	OE	Electrical Vehicles And Hybrid Vehicle
78.	413	OE	Optimization Techniques
79.	414	OE	Maintenance And Safety Engineering
80.	415	OE	Elements Of Civil Engineering
81.	416	OE	Introduction To Earthquake Engineering
82.	417	OE	Fundamentals Of Entrepreneurship

NBA SAR

83.	418	A17593	Mobile Application Development Lab
84.	419	A17594	Hadoop & Big Data Lab
85.	420	A17595	Internet Of Things Lab
86.	421	MP-I	Industry Oriented Mini Project
87.	422	A18543	Design Patterns
88.	801	A18544	E-Commerce
89.	802	A18545	Semantic Web & Social Networks
90.	803	TS	Technical Seminar
91.	804	CVV	Comprehensive Viva
92.	805	MP-II	Major Project

B.TECH (CSE) II YEAR I SEMESTER: MATHEMATICAL FONDATIONS OF COMPUTER SCIENCE

After completing this course the student must demonstrate the knowledge and ability to	
C202.1	To evaluate elementary mathematical arguments and identify fallacious reasoning (not just fallacious conclusions).
C202.2	Solve discrete mathematics problems that involve: computing permutations and combinations of a set.
C202.3	Analyze and deduce problems involving recurrence relations and generating functions.

C202.4	Perform operations on discrete structures such as sets, functions, relations and sequences.
C202.5	Apply Graph theory models to solve problems of Computer Science & Engineering.

B.TECH (CSE) II YEAR II SEMESTER: DESIGN ANALYSIS OF ALGORITHMS

After completing this course the student must demonstrate the knowledge and ability to	
C251.1	Analyze the efficiency of algorithms
C251.2	Develop algorithms divide & conquer, greedy and related problems
C251.3	Examine the performance of Dynamic programming
C251.4	Explain performance of algorithm using Backtracking
C251.5	Analyze NP Hard and NP Complete problems

B.TECH (CSE) III YEAR I SEMESTER: OPERATING SYSTEMS

After completing this course the student must demonstrate the knowledge and ability to	
C303.1	Understanding the operating system concepts and process management
C303.2	Analyze process scheduling and synchronization.
C303.3	Understand memory management concepts.
C303.4	Illustrate File System implementation and Mass Storage Structure.
C303.5	Analyze Deadlock mechanisms.

B.TECH (CSE) III YEAR II SEMESTER: COMPILER DESIGN

After completing this course the student must demonstrate the knowledge and ability to	
C352.1	Differentiate the phases in compilation & parsing
C35.2	Identify the process in parsing and semantic analysis
C352.3	Explain about symbol tables and code optimization methods
C352.4	Explain about code optimization methods
C352.5	Analyze data flow and generate object code

B.TECH (CSE) IV YEAR I SEMESTER: CLOUD COMPUTING

After completing this course the student must demonstrate the knowledge and ability to	
C403.1	Understand Different Cloud Services
C403.2	Analyze different Approaches for migration into cloud
C403.3	Prioritize the challenges in cloud Technology
C403.4	Understand the Virtualization Concepts
C403.5	Assess future Research directions in cloud computing

B.TECH (CSE) IV YEAR II SEMESTER: DESIGN PATTERNS

After completing this course the student must demonstrate the knowledge and ability to	
C451.1	Understand the Design patterns in software applications
C451.2	Discuss the Creational Patterns
C451.3	Categorize the Structural Pattern
C451.4	Investigate Behavioral Patterns
C451.5	Construct the good design pattern structures

3.1.2 CO PO matrices of courses selected in 3.1.1

(Six matrices to be mentioned; one per semester from 3rd to 8th semester)

Note: Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low)

2: Moderate (Medium)

3: Substantial (High)

- : If there is no correlation

B.TECH (CSE) II YEAR I SEMESTER: MATHEMATICAL FONDATIONS OF COMPUTER SCIENCE

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	3	2	3		3		3	3	3
CO 2	3	3	3	3	2	3		3		3	3	3
CO 3	3	3	3	3	2	3				3	3	3
CO 4	3	3	3	3	2	3				3	3	3
CO 5	3	3	3	3	2	3	2	3	2	3	3	3
AVG	3.00	3.00	3.00	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00

B.TECH (CSE) II YEAR II SEMESTER: DESIGN AND ANALYSIS OF ALGORITHMS

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3		3	2			3		3		3
CO 2	3	3	3	3	2			3	3		3	
CO 3	3	3	3	3	2	3			3		3	
CO 4	3	3	3	2	2	3		3	3	3	3	3
CO 5	3	3	3				3	3	3		3	3
AVG	3.00	3.00	3.00	2.75	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

B.TECH (CSE) III YEAR I SEMESTER: OPERATING SYSTEMS

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	3					3		3	3
CO 2	3	3	3	3	3	3	3	3	3		3	3
CO 3	3	3	3	3	3	3	3	3	3		3	3
CO 4	3	3	3	3	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	3	3	3		3	3
AVG	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

B.TECH (CSE) III YEAR II SEMESTER: COMPILER DESIGN

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	3	2		2		1	1		3
CO 2	3	3	3	3	2	3	2	2	1	1		3

NBA SAR

CO 3	3	3	3	3	2	3		2	2	2	2	3
CO 4	3	3	3	3	2	3			2	2	2	3
CO 5	3	3	3	3	2		2	2	2	2	2	3
AVG	3.00	3.00	3.00	3.00	2.00	3.00	2.00	2.00	1.60	1.60	2.00	3.00

B.TECH (CSE) IV YEAR I SEMESTER: CLOUD COMPUTING

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	3	2	3	2	2	2	3	3	2	3
CO 2	3	2	3	2	3	2	2	2	3	3	2	3
CO 3	3	2	3	2	3	2	2	2	3	3	2	3
CO 4	3	2	3	2	3	2	2	2	3	3	2	3
CO 5	3	2	3	2	3	2	2	2	3	3	2	3
AVG	3.00	2.00	3.00	2.00	3.00	2.00	2.00	2.00	3.00	3.00	2.00	3.00

B.TECH (CSE) IV YEAR II SEMESTER: DESIGN PATTERNS

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	2	2	2	2	2	2	3	3	2	3
CO 2	3	2	2	2	2	2	2	2	3	3	2	3

NBA SAR

CO 3	3	2	2	2	2	2	2	2	3	3	2	3
CO 4	3	2	2	2	2	2	2	2	3	3	2	3
CO 5	3	2	2	2	2	2	2	2	3	3	2	3
AVG	3.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	3.00	3.00	2.00	3.00

CO-PSO matrices of courses selected

B.TECH (CSE) II YEAR I SEMESTER: MFCS

	PSO1	PSO2
CO1	3	3
CO2	3	3
CO3	3	3
CO4	3	3
CO5	3	3
AVG	3	3

B.TECH (CSE) II YEAR II SEMESTER: DESIGN ANALYSIS OF ALGORITHMS

	PSO1	PSO2
CO1	3	2
CO2	3	2
CO3	3	2
CO4	3	2
CO5	3	2
AVG	3	2

B.TECH (CSE) III YEAR I SEMESTER: OPERATING SYSTEMS

	PSO1	PSO2
CO1	3	3
CO2	3	3
CO3	3	3
CO4	3	3
CO5	3	3
AVG	3	3

B.TECH (CSE) III YEAR II SEMESTER: COMPILER DESIGN

	PSO1	PSO2
CO1	3	2
CO2	3	2
CO3	3	1
CO4	2	1
CO5	3	2
AVG	2.8	2.4

B.TECH (CSE) IV YEAR I SEMESTER: CLOUD COMPUTING

	PSO1	PSO2
CO1	3	3
CO2	3	2
CO3	2	3
CO4	3	3
CO5	3	3
AVG	3	3

B.TECH (CSE) IV YEAR II SEMESTER: DESIGN PATTERNS

	PSO1	PSO2
CO1	3	3

NBA SAR

CO2	3	2
CO3	2	3
CO4	3	3
CO5	3	3
AVG	2.8	2.8

3.1.3 A Program level Course PO matrix of all courses INCLUDING first year courses ()

Before proceeding please click on Edit to fetch the data. Note :

Enter correlation levels 1, 2 or 3 as defined below :

1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put –

101	A11001	English-I		1.33	1.5		3	2	1	2.75		2.2	2	3
102	A11002	Mathematics-I	2.2	1.8	2	2.67	2	2	1.75		2			1.6
103	A11003	Engineering Physics-I	2.2	1.33	2.2	1.2			1	1			1	2
104	A11502	C Programming-I	2.8	2.8	2.8	3	2						1	1.75
105	A11004	Engineering Chemistry	3	2	2.5	2	1	1	2				2	2
106	A11303	Engineering Graphics	3	3	3	3	1	1			1	3		1.6

NBA SAR

107	A11081	English Language Communication Skills Lab-I	1	1		2		1		2	2	3		3
108	A11581	C Programming Lab-I	2.8	3	3	2.6	1	1					1	1
109	A11083	Engineering Physics And Chemistry Lab-I	1.67	1		2	1		1.33	1	1	1		1.67
110	A11583	IT Workshop	2						2.5	1		2.5		2.6
201	A12005	English-II		1		2		2	1	2.5	1	2.25	2.5	2.8
202	A12006	Mathematics-II	2.4	2	2.4	1.75	2	2.33	1		1.8			1.4
203	A12007	Engineering Physics-II	2.2	2	2.2	1.25			1.75				1	2.6
204	A12503	C Programming-II	3	3	3	3	1	1	1	1			1	1
205	A12009	Mathematics-III	3	3	2	1							1	
206	A12203	Basic Electrical Engineering	2	2	1.33	1		1	2.6	1.5				1

NBA SAR

207	A12085	English Language Communication Skills Lab-II		1				1		2.5	2	2.8	2	2.8
208	A12584	C Programming Lab-II	3	3	3	2.6	1.6	1					1	1.6
209	A12382	Engineering Workshop	3	3	2	1	1	1	2	2	2	2		1
301	A13014	Probability & Statistics	3	3	2.6	2	1.5	1	1.4		1.6	1.8	2.2	2.4
302	A13504	Mathematical Foundations Of Computer Science	3	3	3	3	2	3	2	3	2	3	3	3
303	A13505	Data Structures	3	3	3	3	3						2	1
304	A13406	Digital Logic Design	3	2.8	2.8	2.6	2.4	1.4		1	2.2	1.8	2.2	2.4
305	A13506	Object Oriented Programming	3	2.8	2.8	2.2	1.8	3	3	3	3	1.5	3	2.2

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306	A13401	Electronic Devices & Circuits	2.6	2.4	2.4	2.4	1	2.6		2	2	2		
307	A13585	Data Structures Lab	3	3	3	3	3	3	3	3	2	2	3	3
308	A13483	Electronic Devices & Circuits & Digital Logic Design Lab	3	3	3	3	3	2			2	2	1	3
401	A14507	Design Analysis Of Algorithms	3	3	3	2.75	2	3	3	3	3	3	3	3
402	A14508	Computer Organization	2.8	2.8	2.8	2.8	2.8	3	2.4	3	2.4	2.6	3	2.8
403	A14509	Database Management Systems	3	3	3	2.4	1.8	3	2	3	3	1.75	2.4	2
404	A14510	Software Engineering	2.8	2.2	2.4	2.2	2.2	3	3	3	2.4	2.8	3	2.8
405	A14511	Java Programming	3	3	3	3	3	3	3	3	3	3	3	2
406	A14016	Environmental Studies	2.6	1.4	1	1.4	1.2	1.2	1.2	1.2	1	1.8	2	2

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407	A14586	Java Programmi ng Lab	3	3	3	3	3	3	3	3	3	3	3	3
408	A14587	Database Manageme nt Systems Lab	3	3	3	3	3	3	3	3	3	3	3	3
501	A15512	Linux Programmi ng	3	3	2.8	2.4	1.8	3	2	3	3	1.75	2.4	2
502	A15513	Computer Networks	2	3	3	3	3	2	1.6	2	2.4	3	2.4	2.8
503	A15514	Operating Systems	3	3	3	3	3	3	3	3	3	3	3	3
504	A15515	Formal Languages And Automata Theory	3	3	2.4	2.2	2	3	3	2	1.25	1.2	3	1.4
505	A15518	Human Computer Interaction	3	1.2	2.4	1.8	2.6	3	2	2	2.8	2.6	2.4	2.8
506	OE	Introductio n To Microcontr oller & Application s	2.6	3	3	2.6	2.4	3	2		2	2	2	3

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507	OE	Basic Electronics & Instrumentation	3	3	3	3	1		2		2	1		3
508	OE	Non-Conventional Energy Sources	3	2.2	2.8	3	1	2.2	2.2	1		1	1	
509	OE	Elements Of Mechanical Engineering	2.4	2	3	2								
510	OE	IE	2.4	1.6	2.4	1.6	2	2	2	1				2
511	OE	Smart City	2.2	2.2	1.8	2	2.66	1.6	2.2	1.75	2	1.2	1.5	2.25
512	OE	EMG	2.25	2	2.5	2	2.25	2	2.25		1.33	2.5	2	2.25
513	OE	Total Quality Management	2	1	2.6	2.33	2.25		3	1	3	2.5	1.5	3
514	A15588	Operating Systems & Computer Networks Lab Through Linux	3	3	3	3	2.66	2.66	2	2	2	1	2	2

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515	A15089	Advanced Communic ation Skills Lab									2	3		3
601	A16522	Web Technologi es	3	2	3	2.5	2.4	2.5	2.5	2	2.25	2	2.8	2.6
602	A16523	Compiler Design	3	3	3	3	2	3	2	2	1.6	1.6	2	3
603	A16525	Data Warehousi ng And Data Mining	3	3	3	3	3	3	2	2	2.8	2	3	3
604	A16018	Managerial Economics And Financial Analysis	2.4	2.4	3	2.4	2.4	3	2	2	2.8	2	3	3
605	A16526	Object Oriented Analysis And Design	2	3	3	3	3	3	3	3	2.2	3	2.4	3
606	OE	Fundament als Of Embedded Systems	3	3	3	3	3		3		3	3		3

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607	OE	Principles Of Communic ations	3	3	3		3		3		3	3		3
608	OE	Principles Of Electrical Power Utilization	3	3	3	2		2	1				1	
609	OE	Energy Auditing And Conservati on	3	2	1	1.5		1	2	1		1.4	1.4	1.4
610	OE	Basic Automobil e Engineerin g	2.4	2.4	2.4	2.4			2	2				1.4
611	OE	Material Science Engineerin g	2.4	1.6		2.4	2.4							1.4
612	OE	Green Building Technologi es	2.2	2	1.75	2	2	2.2	2.8	1.6	2.2	1	1.5	1.4

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613	OE	Environme nt Pollution & Control Methods	1.8	2	1.66	1.5	2	1.2	1.2	1	1	1	0	1
614	OE	Financial Institutions And Markets	2	3	3	3	3	1.6	1.6	1.8	2.2	3	2.4	3
615	A16589	Web Technologi es &Case Tools Lab	3	3	3	3	3	3	3	3	3	3	3	3
616	A16590	Compiler Design & Data Mining Lab	3	3	3	3	3	3	3	3	3	3	3	3
701	A17531	Mobile Application Developme nt	3	3	3	3	3	2	2	2	3	3	2	3
702	A17532	Informatio n Security	2	3	3	3	3	2	2	2	2	2	2	3
703	A17533	Cloud Computing	3	2	3	2	3	2	2	2	3	3	2	3
704	A17535	Big Data Analytics	3	3	3	3	3	3	3	2	3	3	2	3

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706	A17537	Internet Of Things	3	3	3	3	3	2	3	2	3	2	2	2
707	A17538	Advanced Databases	3	3	3	3	3	2	3	3	3	2	2	2
709	A17534	Software Testing Methodologies	3	3	3	3	2	2	3	3	3	3	3	3
710	OE	Introduction To Mat Lab	2	3	2	2	2		2			2		2
711	OE	Circuit Simulation Using Pspice	3	3	3	3	3	3			2		2	3
712	OE	Energy Storage Systems	3	3	1	1		1	1				1	
713	OE	Electrical Vehicles And Hybrid Vehicle	3	3	3	2		1	1				1	1
714	OE	Optimization Techniques	2	3	2	2	2	2	1	1	1	2	1	3
715	OE	Maintenance And Safety Engineering	2	1	2	2	2	2	2	1	3	2	1	3

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716	OE	Elements Of Civil Engineerin g	1	2	2	2	2	2	2	1	3	3	3	3
717	OE	Introductio n To Earthquake Engineerin g	3	2	2		1	2	2	1				1
718	OE	Fundament als Of Entreprene urship		3	3		3	3	3				3	3
719	A17593	Mobile Application Developme nt Lab	3	3	3	3	3	3	3	3	3	3	3	3
720	A17594	Hadoop & Big Data Lab	3	3	3	3	3	3	3	3	3	3	3	3
721	A17595	Internet Of Things Lab	3	3	3	3	3	3	3	3	3	3	3	3
722		Industry Oriented Mini Project	3	3	3	3	3	3	3	3	3	3	3	3
801	A18543	Design Patterns	3	2	2	2	2	2	2	2	3	3	2	3
802	A18544	E-Commerce	2	2	2	2	3	2	2	2	2	2	3	2

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803	A18545	Semantic Web & Social Networks	3	3	3	3	3	2	3	3	3	2	2	2
804	TS	Technical Seminar	3	3	3	3	3	3	3	3	3	3	3	3
805	CVV	Comprehensive Viva	3	3	3	3	3	3	3	3	3	3	3	3
806	MP-II	Major Project	3	3	3	3	3	3	3	3	3	3	3	3

3.1.3 B Program level Course PSO matrix of all courses INCLUDING first year courses

S. No.		Subject Code	Subject	PSO 1	PSO 2
1.	101	A11001	English -I	2	2
2.	102	A11002	Mathematics -1	2	2
3.	103	A11003	Engineering Physics -1	2	2
4.	104	A11502	C Programming -1	2	2
5.	105	A11004	Engineering Chemistry		2
6.	106	A11303	Engineering Graphics	1	
7.	107	A11081	ELCS Lab-I	2	2
8.	108	A11581	C Programming Lab -1	3	1
9.	109	A11083	Engineering Physics and Chemistry Lab	1	1

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10.	110	A11583	IT Workshop	2	2
11.	201	A12005	English -II	2	2
12.	202	A12006	Mathematics -II	2	2
13.	203	A12007	Engineering Physics -II	2	2
14.	204	A12503	C Programming -II	3	1
15.	205	A12009	Mathematics -III	2	2
16.	206	A12203	Basic Electrical Engineering	2	2
17.	207	A12085	ELCS Lab-II	2	2
18.	208	A12584	C Programming Lab -II	2	2
19.	209	A12382	Engineering Workshop	2	2
20.	301	A13014	PS	2	1
21.	302	A13504	MFCS	3	3
22.	303	A13505	DLD	3	3
23.	304	A13406	DS	3	2
24.	305	A13506	EDC	3	2.6
25.	306	A13401	OOP	3	3
26.	307	A13585	Electronic Devices & Circuits	3	3
27.	308	A13483	Data Structures Lab	3	3
28.	401	A14507	DAA	3	2
29.	402	A14508	CO	2.8	2.8
30.	403	A14509	DBMS	3	2.6
31.	404	A14510	SE	2.8	2.8

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32.	405	A14511	JP	3	2
33.	406	A14016	ES	2.4	2.6
34.	407	A14586	Java Programming Lab	3	2
35.	408	A14587	Database Management Systems Lab	3	2
36.	501	A15512	LP	3	2
37.	502	A15513	CN	2.6	2.2
38.	503	A15514	OS	3	3
39.	504	A15515	FLAT	3	3
40.	505	A15518	PPL	2.5	3
41.	506	PE 2	HCI	2.8	2.8
42.	507	OE	IMA	3	2
43.	508	OE	BEI	1.6	1.6
44.	509	OE	NCES	2.4	2.2
45.	510	OE	EME		2.2
46.	511	OE	IE	2	
47.	512	OE	SC	1.6	2
48.	513	OE	EMG	1.75	1.75
49.	514	OE	TQM	2	2
50.	515	A15588	Operating Systems & Computer Networks Lab Through Linux	3	3
51.	601	A15089	Advanced Communication Skills Lab	3	3
52.	602	A16522	WT	2.8	2.4
53.	603	A16523	CD	3	2

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54.	604	A16525	DWDM	3	3
55.	605	A16018	MEFA	2.2	2.4
56.	606	A16526	OOAD	3	2.2
57.	607	OE	FES	3	3
58.	608	OE	PC	3	2
59.	609	OE	PEPU	1	1
60.	610	OE	EAC	1	1
61.	611	OE	BAE		2.2
62.	612	OE	MSE	2.2	
63.	613	OE	GBT	1.5	2.25
64.	614	OE	EP&CM		2
65.	615	OE	FIM	3	3
66.	616	A16589	Web Technologies &Case Tools Lab	3	3
67.	701	A16590	Compiler Design & Data Mining Lab	3	3
68.	702	A17531	MAD	2.8	2.8
69.	703	A17532	IS	3	3
70.	704	A17533	CC	2.8	2.8
71.	706	A17535	BDA	3	3
72.	707	A17537	IOT	3	3
73.	709	A17538	ADB	3	3
74.	410	A17534	STM	3	3
75.	411	OE	MAT Lab	3	3

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76.	412	OE	ESS	3	3
77.	413	OE	EVHV	1	1
78.	414	OE	OT	1.8	
79.	415	OE	MSE		
80.	416	OE	ECE	3	3
81.	417	OE	IEE	3	3
82.	418	OE	FE	2.75	2.75
83.	419	A17593	Mobile Application Development Lab	2.8	2.8
84.	720	A17594	Hadoop & Big Data Lab	3	3
85.	721	A17595	Internet Of Things Lab	3	3
86.	722	IOMP	Industry Oriented Mini Project	2.8	2.8
87.	801	A18543	DP	2.8	2.8
88.	802	A18544	ECOMM	3	3
89.	803	A18545	SWSN	3	3
90.	804	TS	Technical Seminar	3	3
91.	805	CVV	Comprehensive Viva	3	3
92.	806	MP-II	Major Project	3	3

3.2 Attainment of course outcomes	Institute Marks : 75
3.2.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based	Institute Marks : 10

(Examples of data collection processes may include, but are not limited to, specific exam/ tutorial questions, assignments, laboratory tests, project evaluation, student portfolios(A portfolio is a collection of artifacts that demonstrate skills, personal characteristics and accomplishments created by the student during study period), internally developed assessment exams, project presentations, oral exams etc.)

Assessment processes of Course Outcomes for regulation – R 15:

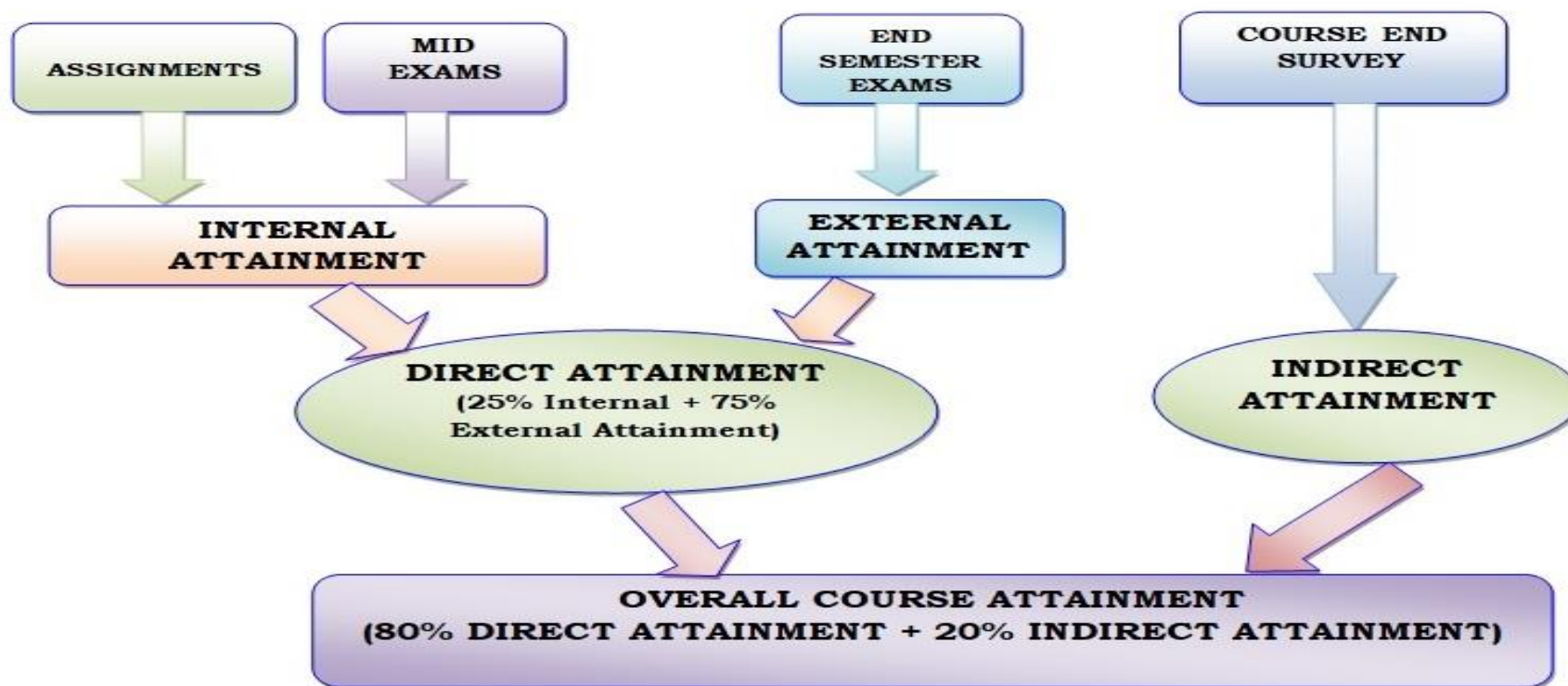
The course outcomes were prepared by using action verbs of Bloom's Taxonomy.

All the course outcomes are prepared in such a way that they are measurable by means of written and oral skills, presentations etc.

S.No.	Assessment tool	It's impact on course delivery / content	Relevance towards attainment of Course outcomes	Relevance towards attainment of programme outcomes
1	Mid I & Mid II	Two mid examinations per semester. The weightage of mid examination is 20 Marks. Question Paper will set from the first 2.5 units for the first mid examinations and Mid –II is from the remaining 2.5 units Best of two mid examinations considered for final mid examination marks.	CO1 CO2 CO3 CO4 CO5	The CO s Mapped to PO's as shown in 3.1.3
2	Assignment 1 & Assignment 2	Assignment questions are used to assess the Course Outcomes. The weightage of Assignment is 5 Marks.		

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3	Continuous Evaluation performance in the laboratories	In the laboratory hours continuous evaluation sheet is maintained to record the performance and regular activity of the student. Assessment sheet as given in Criterion 2. This evaluation sheet records for 15 marks		
4	Mini projects: Major projects:	The mini project carries 50 marks. The major project carries 200 Marks		
5	Comprehensive	The viva voce is meant to test the student ability in all the courses pursued under his graduation. The weightage is 100 marks		
6	Technical Seminar	The student needs to gather the information on latest technology in his/her domain and should give a presentation for 30 minutes. The weightage is 50 marks		
7	Semester End Examinations	The question papers will set and evaluate by the external examiners. The weightage is 75 marks		
3.2.2 Record the attainment of Course Outcome of all courses with respect to set attainment levels ()			Institute Marks : 65	
Program shall have set Course Outcome attainment levels for all courses. (The attainment levels shall be set considering average performance levels in the university examination or any higher value set as target for the assessment years. Attainment level is to be measured in terms of student performance in internal assessments with respect to the Course Outcomes of a course in addition to the performance in the University examination)				



3.2.2 Record the attainment of course outcomes of all courses with respect to set attainment levels

The following table illustrates the assessment criteria for the theory courses of all semesters/years.

S.No	Assessment Tool	Maximum marks	Threshold level (%)	Attainment level Criteria	Attainment level
1	Midterm Exams	25	60%	At least 70% of attempted students exceed threshold level (60%) marks	3

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				At least 60% 69% of attempted students exceed threshold level (60%) marks	2
				At least 50% 59% of attempted students exceed the threshold level (60%) marks	1
2	Semester End Examinations	75	60%	At least 70% of attempted students exceed threshold level (60%) marks	3
				At least 60% 69% of attempted students exceed threshold level (60%) marks	2
				At least 50% 59% of attempted students exceed the threshold level (60%) marks	1
3	Labs	75	60%	At least 70% of attempted students exceed threshold level (60%) marks	3
				At least 60% 69% of attempted students exceed threshold level (60%) marks	2
				At least 50% 59% of attempted students exceed the threshold level (60%) marks	1
4	Industry Oriented Mini Project	50	60%	At least 70% of attempted students exceed threshold level (60%) marks	3
				At least 60% 69% of attempted students exceed threshold level (60%) marks	2
				At least 50% 59% of attempted students exceed the threshold level (60%) marks	1
5	Major Project	200	60%	At least 70% of attempted students exceed threshold level (60%) marks	3
				At least 60% 69% of attempted students exceed threshold level (60%) marks	2
				At least 50% 59% of attempted students exceed the threshold level (60%) marks	1

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6	Technical Seminar	50	60%	At least 70% of attempted students exceed threshold level (60%) marks	3
				At least 60% 69% of attempted students exceed threshold level (60%) marks	2
				At least 50% 59% of attempted students exceed the threshold level (60%) marks	1
7	Comprehensive Viva	100	60%	At least 70% of attempted students exceed threshold level (60%) marks	3
				At least 60% 69% of attempted students exceed threshold level (60%) marks	2
				At least 50% 59% of attempted students exceed the threshold level (60%) marks	1

DIRECT ASSESSMENT EVALUATION:

Assessment of course outcomes:

Course outcome	Course outcome attainment level from internal assessment	Course outcome attainment level from university exams (Semester End Examinations)	CO Attainment
CO Attainment	(Mid 1& Mid 2) a₁	b₁	0.25*(a₁) + 0.75*(b₁)
CO Attainment	Direct	Indirect	Final CO Attainment
	80%	20%	Direct (80%) + Indirect (20%)

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY(AUTONOMOUS)
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Academic Year: 2017-18

BATCH: 2016-20

III B.Tech- I Sem

Course: LP

Faculty:

S.No	Reg.No	MID I Threshold 60%							MID II Threshold 60%							Threshold old 60% (45M) End Exam (75M)
		ASM - I (5)	PART-A			PART-B			ASM - II (5)	PART-A			PART-B			
			Q1(2M)	Q2(2M)	Q3 (2M)	Q4(5M)	Q5(5M)	Q6(4M)		Q1(2M)	Q2(2M)	Q3 (2M)	Q4(4M)	Q5(5M)	Q6(5M)	
1	15911A0521	5	2	2	2	3	3	3	5	2	2	2	1	3	3	4
2	15911A0548	5	1	1	2	2	2	2	5	2	2	2	2	2	2	5
3	15911A0599	5	2	2	2	4	4	4	5	2	2	2	4	4	4	4
4	15911A05B9	5	2	2	2	2	2	3	5	2	2	2	3	2	2	2
5	15911A05D9	5	2	2	2	2	2	2	5	2	2	2	2	2	2	2
6	15911A05P9	5	2	2	0	2	2	2	5	2	2	2	2	2	2	2
7	16911A0501	5	2	2	2	2	4	4	5	2	2	2	4	2	4	5
8	16911A0502	5	2	2	2	3	3	3	5	2	2	2	3	3	3	5
9	16911A0503	5	2	2	2	3	3	2	5	2	2	2	2	3	3	5
10	16911A0505	5	2	2	2	4	4	4	5	2	2	2	4	4	4	6
11	16911A0506	5	2	2	2	5	5	4	5	2	2	2	4	5	5	4
12	16911A0507	5	2	2	2	3	3	3	5	2	2	2	1	3	3	4
13	16911A0508	5	2	2	2	1	3	3	5	2	2	2	3	1	3	5
14	16911A0509	5	2	2	2	3	3	4	5	2	2	2	4	3	3	6
15	16911A0510	5	2	2	2	4	5	4	5	2	2	2	4	4	5	6

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16	16911A0511	5	2	2	2	5	5	4	5	2	2	2	4	5	5	5
17	16911A0512	5	2	2	2	3	3	3	5	2	2	2	1	3	3	5
18	16911A0513	5	2	2	2	1	3	3	5	2	2	2	3	1	3	4
19	16911A0514	5	2	2	2	3	3	4	5	2	2	2	4	3	3	4
20	16911A0515	5	2	2	2	4	5	4	5	2	2	2	4	4	5	5
21	16911A0516	5	2	2	2	3	3	3	5	2	2	2	3	3	3	4
22	16911A0517	5	2	2	2	3	3	2	5	2	2	2	2	3	3	4
23	16911A0518	5	2	2	2	4	4	4	5	2	2	2	4	4	4	5
24	16911A0519	5	2	2	2	3	3	3	5	2	2	2	3	3	3	5
25	16911A0520	5	2	2	2	3	3	2	5	2	2	2	2	3	3	4
26	16911A0521	5	2	2	2	4	4	4	5	2	2	2	4	4	4	6
46	16911A0522	5	2	2	2	5	5	4	5	2	2	2	4	5	5	5
47	16911A0523	5	2	2	2	3	3	3	5	2	2	2	1	3	3	4
48	16911A0524	5	2	2	2	1	3	3	5	2	2	2	3	1	3	5
49	16911A0525	5	2	2	2	3	3	4	5	2	2	2	4	3	3	4
50	16911A0526	5	2	2	2	4	5	4	5	2	2	2	4	4	5	4
51	16911A0527	5	2	2	2	5	5	4	5	2	2	2	4	5	5	6
52	16911A0528	5	2	2	2	3	3	3	5	2	2	2	1	3	3	5
34	16911A0529	5	2	2	2	1	3	3	5	2	2	2	3	1	3	6
35	16911A0530	5	2	2	2	3	3	4	5	2	2	2	4	3	3	5
36	16911A0531	5	2	2	2	4	5	4	5	2	2	2	4	4	5	4
37	16911A0532	5	2	2	2	3	3	3	5	2	2	2	3	3	3	4
38	16911A0533	5	2	2	2	3	3	2	5	2	2	2	2	3	3	4
39	16911A0534	5	2	2	2	4	4	4	5	2	2	2	4	4	4	5
40	16911A0535	5	2	2	2	3	3	3	5	2	2	2	3	3	3	5
41	16911A0536	5	2	2	2	3	3	2	5	2	2	2	2	3	3	5
42	16911A0537	5	2	2	2	4	4	4	5	2	2	2	4	4	4	5
43	16911A0538	5	2	2	2	3	3	3	5	2	2	2	1	3	3	4
44	16911A0539	5	1	1	2	2	2	2	5	1	1	2	2	2	2	1

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45	16911A0540	5	2	2	2	4	4	4	5	2	2	2	4	4	4	5
46	16911A0541	5	2	2	2	2	2	3	5	2	2	2	3	2	2	5
47	16911A0542	5	2	2	2	2	2	2	5	2	2	2	2	2	2	4
48	16911A0543	5	2	2	0	2	2	2	5	2	2	2	2	2	2	4
49	16911A0544	5	2	2	2	2	4	4	5	2	2	2	4	2	4	3
50	16911A0545	5	2	2	2	3	3	3	5	2	2	2	3	3	3	3
51	16911A0546	5	2	2	2	3	3	2	5	2	2	2	2	3	3	1
52	16911A0548	5	2	2	2	4	4	4	5	2	2	2	4	4	4	2
53	16911A0549	5	2	2	2	5	5	4	5	2	2	2	4	5	5	2
54	16911A0550	5	2	2	2	3	3	3	5	2	2	2	1	3	3	2
55	16911A0551	5	2	2	2	1	3	3	5	2	2	2	3	1	3	4
56	16911A0552	5	2	2	2	3	3	4	5	2	2	2	4	3	3	3
57	16911A0553	5	2	2	2	4	5	4	5	2	2	2	4	4	5	2
58	16911A0554	5	2	2	2	5	5	4	5	2	2	2	4	5	5	2
59	16911A0555	5	2	2	2	3	3	3	5	2	2	2	1	3	3	2
60	16911A0556	5	2	2	2	1	3	3	5	2	2	2	3	1	3	4
61	16911A0558	5	2	2	2	3	3	4	5	2	2	2	4	3	3	4
62	16911A0559	5	2	2	2	4	5	4	5	2	2	2	4	4	5	3
63	16911A0560	5	2	2	2	3	3	3	5	2	2	2	3	3	3	2
64	16911A0561	5	2	2	2	3	3	2	5	2	2	2	2	3	3	2
65	16911A0562	5	2	2	2	4	4	4	5	2	2	2	4	4	4	3
66	16911A0563	5	2	2	2	3	3	3	5	2	2	2	3	3	3	2
67	16911A0564	5	2	2	2	3	3	2	5	2	2	2	2	3	3	2
68	16911A0565	5	2	2	2	4	4	4	5	2	2	2	4	4	4	2
69	16911A0566	5	2	2	2	5	5	4	5	2	2	2	4	5	5	3
70	16911A0567	5	2	2	2	3	3	3	5	2	2	2	1	3	3	1
71	16911A0568	5	2	2	2	1	3	3	5	2	2	2	3	1	3	2
72	16911A0569	5	2	2	2	3	3	4	5	1	1	2	4	3	3	2
73	16911A0570	5	2	2	2	4	5	4	5	2	2	2	4	4	5	4

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74	16911A0572	5	2	2	2	5	5	4	5	2	2	2	4	5	5	5
75	16911A0573	5	2	2	2	3	3	3	5	2	2	2	1	3	3	2
76	16911A0575	5	2	2	2	1	3	3	5	2	2	2	3	1	3	1
77	16911A0576	5	2	2	2	3	3	4	5	2	2	2	4	3	3	2
78	16911A0577	5	2	2	2	4	5	4	5	2	2	2	4	4	5	4
79	16911A0579	5	2	2	2	3	3	3	5	2	2	2	3	3	3	3
80	16911A0580	5	2	2	2	3	3	2	5	2	2	2	2	3	3	1
81	16911A0581	5	2	2	2	4	4	4	5	2	2	2	4	4	4	4
82	16911A0582	5	2	2	2	3	3	3	5	2	2	2	3	3	3	
83	16911A0583	5	2	2	2	3	3	2	5	2	2	2	2	3	3	3
84	16911A0584	5	2	2	2	4	4	4	5	2	2	2	4	4	4	2
85	16911A0585	5	2	2	2	3	3	3	5	2	2	2	1	3	3	3
86	16911A0586	5	1	1	2	2	2	2	5	2	2	2	2	2	2	3
87	16911A0587	5	2	2	2	4	4	4	5	2	2	2	4	4	4	3
88	16911A0588	5	2	2	2	2	2	3	5	2	2	2	3	2	2	3
89	16911A0590	5	2	2	2	2	2	2	5	2	2	2	2	2	2	3
90	16911A0591	5	2	2	0	2	2	2	5	2	2	2	2	2	2	4
91	16911A0592	5	2	2	2	2	4	4	5	2	2	2	4	2	4	5
92	16911A0593	5	2	2	2	3	3	3	5	2	2	2	3	3	3	2
93	16911A0594	5	2	2	2	3	3	2	5	2	2	2	2	3	3	2
94	16911A0595	5	2	2	2	4	4	4	5	2	2	2	4	4	4	4
95	16911A0596	5	2	2	2	5	5	4	5	2	2	2	4	5	5	2
96	16911A0597	5	2	2	2	3	3	3	5	2	2	2	1	3	3	1
97	16911A0598	5	2	2	2	1	3	3	5	2	2	2	3	1	3	1
98	16911A0599	5	2	2	2	3	3	4	5	2	2	2	4	3	3	1
99	16911A05A0	5	2	2	2	4	5	4	5	2	2	2	4	4	5	
100	16911A05A1	5	2	2	2	5	5	4	5	2	2	2	4	5	5	2
101	16911A05A2	5	2	2	2	3	3	3	5	2	2	2	1	3	3	5
102	16911A05A3	5	2	2	2	1	3	3	5	2	2	2	3	1	3	2

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103	16911A05A4	5	2	2	2	3	3	4	5	2	2	2	4	3	3	4
104	16911A05A6	5	2	2	2	4	5	4	5	2	2	2	4	4	5	3
105	16911A05A7	5	2	2	2	3	3	3	5	2	2	2	3	3	3	3
106	16911A05A8	5	2	2	2	3	3	2	5	2	2	2	2	3	3	4
107	16911A05A9	5	2	2	2	4	4	4	5	2	2	2	4	4	4	2
108	16911A05B0	5	2	2	2	3	3	3	5	2	2	2	3	3	3	2
109	16911A05B1	5	2	2	2	3	3	2	5	2	2	2	2	3	3	4
110	16911A05B2	5	2	2	2	4	4	4	5	2	2	2	4	4	4	3
111	16911A05B3	5	2	2	2	5	5	4	5	2	2	2	4	5	5	3
112	16911A05B4	5	2	2	2	3	3	3	5	2	2	2	1	3	3	3
113	16911A05B5	5	2	2	2	1	3	3	5	2	2	2	3	1	3	2
114	16911A05B6	5	2	2	2	3	3	4	5	2	2	2	4	3	3	2
115	16911A05B7	5	2	2	2	4	5	4	5	2	2	2	4	4	5	4
116	16911A05B8	5	2	2	2	5	5	4	5	2	2	2	4	5	5	3
117	16911A05B9	5	2	2	2	3	3	3	5	1	1	2	1	3	3	4
118	16911A05C0	5	2	2	2	1	3	3	5	2	2	2	3	1	3	2
119	16911A05C1	5	2	2	2	3	3	4	5	2	2	2	4	3	3	2
120	16911A05C2	5	2	2	2	4	5	4	5	2	2	2	4	4	5	1
121	16911A05C3	5	2	2	2	3	3	3	5	2	2	2	3	3	3	3
122	16911A05C4	5	2	2	2	3	3	2	5	2	2	2	2	3	3	5
123	16911A05C5	5	2	2	2	4	4	4	5	2	2	2	4	4	4	5
124	16911A05C6	5	2	2	2	3	3	3	5	2	2	2	3	3	3	4
125	16911A05C7	5	2	2	2	3	3	2	5	2	2	2	2	3	3	5
126	16911A05C9	5	2	2	2	4	4	4	5	2	2	2	4	4	4	4
146	16911A05D0	5	2	2	2	3	3	3	5	2	2	2	1	3	3	4
147	16911A05D1	5	1	1	2	2	2	2	5	2	2	2	2	2	2	4
148	16911A05D2	5	2	2	2	4	4	4	5	2	2	2	4	4	4	3
149	16911A05D3	5	2	2	2	2	2	3	5	2	2	2	3	2	2	5
150	16911A05D4	5	2	2	2	2	2	2	5	2	2	2	2	2	2	4

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151	16911A05D5	5	2	2	0	2	2	2	5	2	2	2	2	2	2	4
152	16911A05D6	5	2	2	2	2	4	4	5	2	2	2	4	2	4	2
134	16911A05D7	5	2	2	2	3	3	3	5	2	2	2	3	3	3	1
135	16911A05D8	5	2	2	2	3	3	2	5	2	2	2	2	3	3	5
136	16911A05D9	5	2	2	2	4	4	4	5	2	2	2	4	4	4	5
137	16911A05E0	5	2	2	2	5	5	4	5	2	2	2	4	5	5	6
138	16911A05E1	5	2	2	2	3	3	3	5	2	2	2	1	3	3	2
139	16911A05E2	5	2	2	2	1	3	3	5	2	2	2	3	1	3	
140	16911A05E3	5	2	2	2	3	3	4	5	2	2	2	4	3	3	4
141	16911A05E4	5	2	2	2	4	5	4	5	2	2	2	4	4	5	1
142	16911A05E5	5	2	2	2	5	5	4	5	2	2	2	4	5	5	4
143	16911A05E6	5	2	2	2	3	3	3	5	2	2	2	1	3	3	1
144	16911A05E7	5	2	2	2	1	3	3	5	2	2	2	3	1	3	2
145	16911A05E8	5	2	2	2	3	3	4	5	1	1	2	4	3	3	3
146	16911A05E9	5	2	2	2	4	5	4	5	2	2	2	4	4	5	2
147	16911A05F0	5	2	2	2	3	3	3	5	2	2	2	3	3	3	3
148	16911A05F1	5	2	2	2	3	3	2	5	2	2	2	3	3	3	4
149	16911A05F2	5	2	2	2	4	4	4	5	2	2	2	4	4	4	1
150	16911A05F3	5	2	2	2	3	3	3	5	2	2	2	3	3	3	1
151	16911A05F4	5	2	2	2	3	3	2	5	2	2	2	3	3	3	4
152	16911A05F6	5	2	2	2	4	4	4	5	2	2	2	4	4	4	1
153	16911A05F7	5	2	2	2	5	5	4	5	2	2	2	4	5	5	2
154	16911A05F8	5	2	2	2	3	3	3	5	2	2	2	1	3	3	5
155	16911A05F9	5	2	2	2	1	3	3	5	2	2	2	3	1	3	2
156	16911A05G0	5	2	2	2	3	3	4	5	2	2	2	4	3	3	1
157	16911A05G1	5	2	2	2	4	5	4	5	2	2	2	4	4	5	2
158	16911A05G2	5	2	2	2	5	5	4	5	2	2	2	4	5	5	4
159	16911A05G3	5	2	2	2	3	3	3	5	2	2	2	1	3	3	4
160	16911A05G4	5	2	2	2	1	3	3	5	2	2	2	3	1	3	4

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161	16911A05G5	5	2	2	2	3	3	4	5	2	2	2	4	3	3	5
162	16911A05G6	5	2	2	2	4	5	4	5	2	2	2	4	4	5	2
163	16911A05G7	5	2	2	2	3	3	3	5	2	2	2	3	3	3	5
164	16911A05G8	5	2	2	2	3	3	2	5	2	2	2	3	3	3	5
165	16911A05G9	5	2	2	2	4	4	4	5	2	2	2	4	4	4	5
166	16911A05H0	5	2	2	2	3	3	3	5	2	2	2	3	3	3	4
167	16911A05H1	5	2	2	2	3	3	2	5	2	2	2	3	3	3	5
168	16911A05H2	5	2	2	2	4	4	4	5	2	2	2	4	4	4	5
169	16911A05H3	5	2	2	2	3	3	2	5	2	2	2	3	3	3	4
170	16911A05H4	5	2	2	2	4	4	4	5	2	2	2	4	4	4	4
171	16911A05H6	5	2	2	2	5	5	4	5	2	2	2	4	5	5	5
172	16911A05H7	5	2	2	2	3	3	3	5	2	2	2	1	3	3	4
173	16911A05H8	5	2	2	2	1	3	3	5	2	2	2	3	1	3	6
174	16911A05J0	5	2	2	2	3	3	4	5	2	2	2	4	3	3	4
175	16911A05J1	5	2	2	2	4	5	4	5	2	2	2	4	4	5	7
176	16911A05J2	5	2	2	2	5	5	4	5	2	2	2	4	5	5	6
177	16911A05J3	5	2	2	2	3	3	3	5	2	2	2	1	3	3	5
178	16911A05J4	5	2	2	2	1	3	3	5	2	2	2	3	1	3	5
179	16911A05J5	5	2	2	2	3	3	4	5	2	2	2	4	3	3	7
180	16911A05J3	5	2	2	2	4	5	4	5	2	2	2	4	4	5	5
181	16911A05J4	5	2	2	2	3	3	3	5	2	2	2	3	3	3	4
182	16911A05J5	5	2	2	2	3	3	2	5	2	2	2	3	3	3	5
183	16911A05J6	5	2	2	2	4	4	4	5	2	2	2	4	4	4	2
184	16911A05J7	5	2	2	2	3	3	3	5	2	2	2	3	3	3	5
185	16911A05J8	5	2	2	2	3	3	2	5	2	2	2	3	3	3	6
186	16911A05J9	5	2	2	2	4	4	4	5	2	2	2	4	4	4	6
187	16911A05K0	5	2	2	2	3	3	2	5	2	2	2	3	3	3	5
188	16911A05K2	5	2	2	2	4	4	4	5	2	2	2	4	4	4	6
189	16911A05K3	5	2	2	2	5	5	4	5	2	2	2	4	5	5	5

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190	16911A05K4	5	2	2	2	3	3	3	5	1	1	2	1	3	3	5
191	16911A05K5	5	2	2	2	1	3	3	5	2	2	2	3	1	3	6
192	16911A05K6	5	2	2	2	3	3	4	5	2	2	2	4	3	3	6
193	16911A05K7	5	2	2	2	4	5	4	5	2	2	2	4	4	5	7
194	16911A05K8	5	2	2	2	5	5	4	5	2	2	2	4	5	5	6
195	16911A05L0	5	2	2	2	3	3	3	5	2	2	2	1	3	3	5
196	16911A05L1	5	2	2	2	1	3	3	5	2	2	2	3	1	3	4
197	16911A05L2	5	2	2	2	3	3	4	5	2	2	2	4	3	3	5
198	16911A05L3	5	2	2	2	4	5	4	5	2	2	2	4	4	5	5
199	16911A05L4	5	2	2	2	3	3	3	5	2	2	2	3	3	3	4
200	16911A05L5	5	2	2	2	3	3	2	5	2	2	2	3	3	3	4
201	16911A05L6	5	2	2	2	4	4	4	5	2	2	2	4	4	4	5
202	16911A05L7	5	2	2	2	3	3	3	5	2	2	2	3	3	3	4
203	16911A05L8	5	2	2	2	3	3	2	5	2	2	2	3	3	3	5
204	16911A05L9	5	2	2	2	4	4	4	5	2	2	2	4	4	4	4
205	16911A05M0	5	2	2	2	3	3	2	5	2	2	2	3	3	3	5
206	16911A05M1	5	2	2	2	4	4	4	5	2	2	2	4	4	4	7
207	16911A05M2	5	2	2	2	5	5	4	5	2	2	2	4	5	5	5
208	16911A05M3	5	2	2	2	3	3	3	5	2	2	2	1	3	3	2
209	16911A05M4	5	2	2	2	1	3	3	5	2	2	2	3	1	3	6
210	16911A05M6	5	2	2	2	3	3	4	5	2	2	2	4	3	3	6
211	16911A05M7	5	2	2	2	4	5	4	5	2	2	2	4	4	5	4
212	16911A05M8	5	2	2	2	5	5	4	5	2	2	2	4	5	5	4
213	16911A05M9	5	2	2	2	3	3	3	5	2	2	2	1	3	3	4
214	16911A05N0	5	2	2	2	1	3	3	5	2	2	2	3	1	3	5
215	16911A05N1	5	2	2	2	3	3	4	5	2	2	2	4	3	3	4
216	16911A05N2	5	2	2	2	4	5	4	5	2	2	2	4	4	5	4
217	16911A05N3	5	2	2	2	3	3	3	5	2	2	2	3	3	3	4
218	16911A05N4	5	2	2	2	3	3	2	5	1	1	2	3	3	3	5

219	16911A05N5	5	2	2	2	4	4	4	5	2	2	2	4	4	4	5
220	16911A05N6	5	2	2	2	3	3	2	5	2	2	2	3	3	3	5
221	16911A05N7	5	2	2	2	4	4	4	5	2	2	2	4	4	4	4
222	16911A05N8	5	2	2	2	3	3	2	5	2	2	2	3	3	3	4
223	16911A05N9	5	2	2	2	4	4	4	5	2	2	2	4	4	4	5
224	16911A05P0	5	2	2	2	5	5	4	5	2	2	2	4	5	5	4
225	16911A05P1	5	2	2	2	3	3	3	5	2	2	2	1	3	3	4
226	16911A05P2	5	2	2	2	1	3	3	5	2	2	2	3	1	3	5
227	16911A05P3	5	2	2	2	3	3	4	5	2	2	2	4	3	3	5
228	16911A05P4	5	2	2	2	4	5	4	5	2	2	2	4	4	5	5
229	16911A05P5	5	2	2	2	5	5	4	5	2	2	2	4	5	5	6
230	16911A05P6	5	2	2	2	3	3	3	5	2	2	2	1	3	3	5
231	16911A05P7	5	2	2	2	1	3	3	5	2	2	2	3	1	3	4
232	16911A05P8	5	2	2	2	3	3	4	5	2	2	2	4	3	3	5
233	16911A05P9	5	2	2	2	3	3	4	5	2	2	2	4	3	3	5
234	16911A05Q0	5	2	2	2	3	3	3	5	2	2	2	3	3	3	6
235	17915A0501	5	2	2	2	3	3	2	5	2	2	2	2	3	3	5
236	17915A0502	5	2	2	2	4	4	4	5	1	1	2	4	4	4	6
237	17915A0503	5	2	2	2	3	3	3	5	2	2	2	3	3	3	6
238	17918A0501	5	2	2	2	3	3	2	5	2	2	2	2	3	3	6
Average marks		5	2.0	2.0	2.0	3.2	3.5	3.3	5	2.0	2.0	2.0	3.1	3.2	3.5	43.1
No of students attempted		238	238	238	238	238	238	238	238	238	238	238	238	238	238	238
No of students scored 60% and above		238	234	234	234	194	222	194	238	231	231	238	180	194	222	144
%of students scored 60% and above		100	98.32	98.32	98.32	81.51	93.28	81.51	100	97.06	97.06	100.00	75.63	81.51	93.28	60.50
CO ATTAINMENT LEVEL		3	3.0	3.0	3.0	3.0	3.0	3.0	3	3.0	3.0	3.0	3.0	3.0	3.0	2.0

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ASSESSMENT OF COs FOR THE COURSE						
CO	Method	value	Avg	CO Attainment (Internal)	CO Attainment (End Exam)	Overall CO Attainment
CO 1	ASM I	3	3.0	2.93	2.00	2.23
	MID I - PART A - Q1	3.0				
	MID I - PART B - Q4	3.0				
CO 2	ASM I	3	3.0			
	MID I - PART A - Q2	3.0				
	MID I - PART B - Q5	3.0				
CO 3	ASM I	3	3.0			
	ASM II	3.0				
	MID I - PART A - Q3	3.0				
	MID I - PART B - Q6	3.0				
	MID II - PART A - Q1	3.0				
	MID II - PART B - Q4	3.0				
CO 4	ASM II	3	3.0			
	MID II - PART A - Q2	3.0				
	MID II - PART B - Q5	3.0				

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CO 5	ASM II	3	2.7			
	MID II- PART A - Q2	3.0				
	MID II - PART B - Q6	2.0				

In the process of Direct Assessment Evaluation,

Mid I & Assignment I are mapped with CO 1, CO 2 & CO3

Questions from Part A & Part B CO 1 is mapped with question no 1 & 4 of mid I question papers and Similarly, CO 2 is mapped with question no 2 & 5, CO 3 is mapped with question no 3 & 6.

Mid II & Assignment II are mapped with CO 3, CO 4 & CO 5.

Questions form Part A & Part B CO 3 is mapped with question no 1 & 4, CO 4 is mapped with questions no 2 & 5 and CO 5 is mapped with question no 3 & 6 of mid II question papers.

CO ATTAINMENT (2016-20 Batch):

CO ATTAINMENT (2016-20 Batch)		
FIRST YEAR		
Subject Code	Subject	CO ATTAINMENT
A11001	English I	2.94
A11002	Mathematics I	2.32
A11003	Engineering Physics I	2.38
A11502	C Programming I	1.80
A11004	Engineering Chemistry	2.37

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A11303	Engineering Graphics	2.24
A11081	English Language Communication Skills Lab I	3.00
A11581	C Programming Lab I	3.00
A11083	Engineering Physics And Chemistry Lab I	3.00
A11583	IT Workshop	3.00
A12005	English II	2.96
A12006	Mathematics II	2.30
A12007	Engineering Physics II	2.36
A12503	C Programming II	1.82
A12009	Mathematics III	2.38
A12203	Basic Electrical Engineering	1.77
A12085	English Language Communication Skills Lab II	3.00
A12584	C Programming Lab II	3.00
A12382	Engineering Workshop	3.00
A13014	Probability & Statistics	2.37
A13504	Mathematical Foundations Of Computer Science	2.37
A13505	Data Structures	2.33
A13406	Digital Logic Design	2.34
A13506	Object Oriented Programming	2.37

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A13401	Electronic Devices & Circuits	2.32
A13585	Data Structures Lab	3.00
A13483	Electronic Devices & Circuits& Digital Logic Design Lab	3.00
A14507	Design Analysis Of Algorithms	2.97
A14508	Computer Organization	2.97
A14509	Database Management Systems	2.93
A14510	Software Engineering	2.94
A14511	Java Programming	2.97
A14016	Environmental Studies	2.92
A14586	Java Programming Lab	3.00
A14587	Database Management Systems Lab	3.00
A15512	Linux Programming	2.35
A15513	Computer Networks	2.36
A15514	Operating Systems	2.35
A15515	Formal Languages And Automata Theory	2.33
A15518	Human Computer Interaction	1.72
OE	Introduction To Microcontroller & Applications	2.33
OE	Basic Electronics & Instrumentation	2.29
OE	Non Conventional Energy Sources	1.74

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OE	Elements Of Mechanical Engineering	1.69
OE	IE	2.28
OE	Smart City	2.23
OE	EMG	2.91
OE	Total Quality Management	1.68
A15588	Operating Systems & Computer Networks Lab Through Linux	1.75
A15089	Advanced Communication Skills Lab	3.00
A16522	Web Technologies	3.00
A16523	Compiler Design	2.23
A16525	Data Warehousing And Data Mining	2.16
A16018	Managerial Economics And Financial Analysis	2.92
A16526	Object Oriented Analysis And Design	2.92
OE	Fundamentals Of Embedded Systems	2.93
OE	Principles Of Communications	2.92
OE	Principles Of Electrical Power Utilization	2.97
OE	Energy Auditing And Conservation	2.35
OE	Basic Automobile Engineering	2.34
OE	Material Science Engineering	2.35
OE	Green Building Technologies	2.87

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OE	Environment Pollution & Control Methods	2.95
OE	Financial Institutions And Markets	2.96
A16589	Web Technologies &Case Tools Lab	2.95
A16590	Compiler Design & Data Mining Lab	3.00
A17531	Mobile Application Development	3.00
A17532	Information Security	2.35
A17533	Cloud Computing	2.33
A17535	Big Data Analytics	2.30
A17537	Internet Of Things	2.85
A17538	Advanced Databases	2.28
A17534	Software Testing Methodologies	2.33
OE	Introduction To Mat Lab	2.24
OE	Circuit Simulation Using Pspice	1.73
OE	Energy Storage Systems	2.86
OE	Electrical Vehicles And Hybrid Vehicle	2.31
OE	Optimization Techniques	2.24
OE	Maintenance And Safety Engineering	2.35
OE	Elements Of Civil Engineering	2.91
OE	Introduction To Earthquake Engineering	2.97

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OE	Fundamentals Of Entrepreneurship	2.32
A17593	Mobile Application Development Lab	3.00
A17594	Hadoop & Big Data Lab	3.00
A17595	Internet Of Things Lab	3.00
MP I	Industry Oriented Mini Project	3.00
A18543	Design Patterns	2.98
A18544	E Commerce	2.96
A18545	Semantic Web & Social Networks	2.97
TS	Technical Seminar	3.00
CVV	Comprehensive Viva	3.00
MP II	Major Project	3.00

3.3 Attainment of Program Outcomes and Program Specific Outcomes	Total Marks : 75
3.3.1 Describe the assessment tools and processes used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes	Institute Marks : 10
(Describe the assessment tools and processes used together the data upon which the evaluation of each of the Program Outcomes and Program Specific Outcomes is based indicating the frequency with which these processes are carried out. Describe the assessment processes that demonstrate the degree to which the Program Outcomes and Program Specific Outcomes are attained and document the attainment levels)	

Assessment tools of Program Outcomes and Program Specific Outcomes for regulation (R15):

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The assessment tools and process used for measuring the attainment of each of the program outcomes and program specific outcomes are described below.

The assessment tools are broadly classified in to two types.

- i. Direct Assessment tools
- ii. Indirect Assessment tools

Assessment Tools	Assessment Frequency	Assessed by	Reviewed by	Assessing PO’S
Direct Assessment Tools				
Mid Examination	Twice in Semester	Course coordinator & Course Faculty	PAC	PO1 – PO12 PSO1 & PSO2
Laboratory Examination	Once in Semester	Course coordinator & Course Faculty		
Semester End Examination	Once in Semester	Institute, Exam Branch, Department Faculty		
Seminar	Once	Faculty		
Mini Project	Once	Mini Project Coordinators		
Major Project	Once	Major Project Coordinators		
Indirect Assessment Tools				

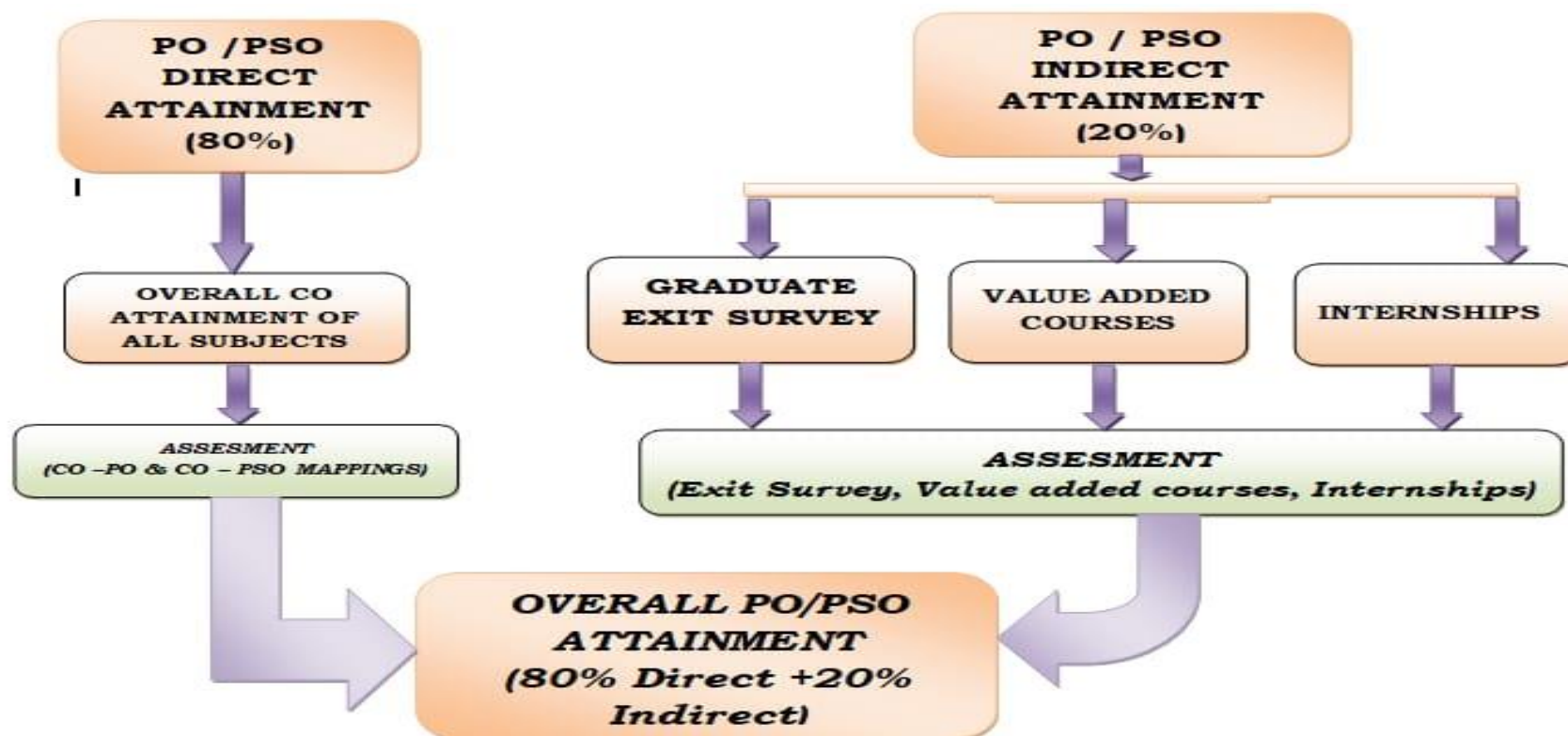
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Course End Survey	At the end of the Course	Course Coordinators & PAC	PAC	CO1 – CO5
Graduate Exit Survey	At the end of the Program	Program Coordinator & PAC	PAC	PO1 – PO12 PSO1 & PSO2
Value Added Courses	During the Program	Program Coordinator & PAC	PAC	PO1 – PO12 PSO1 & PSO2
Internships	During the Program	Program Coordinator & PAC	PAC	PO1 – PO12 PSO1 & PSO2

PAC Programme Assessment Committee

DAB Department Advisory Board

3.3.2 Provide results of evaluation of PO&PSO	Institute Marks : 65
<p>Program shall set Program Outcome attainment levels for all POs & PSOs.</p> <p>(The attainment levels by direct (student performance) and indirect (surveys) are to be presented through Program level Course – PO & PSO matrix as indicated).</p>	
<p>Instructions</p> <p>Please Enter PO and PSO between 0 to 3. Fractional values are acceptable.</p> <p>You can leave the fields (PO and PSO) blank.</p> <p>Blank and 0 will not be participated in the calculation.</p>	



PO Attainment (2016-20 Batch):

S.No.		Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1.	101	A11001		1.33	1.47		2.94	1.96	0.98	2.70		2.16	1.96	2.94
2.	102	A11002	1.28	1.44	1.16	1.55	1.16	1.16	1.15		1.16			0.93
3.	103	A11003	1.28	0.77	1.28	0.70			0.58	0.58			0.58	1.16

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4.	104	A11502	1.57	1.57	1.57	1.68	1.12						0.56	0.98
5.	105	A11004	1.75	1.17	1.46	1.17	0.58	0.58	1.17				1.17	1.17
6.	106	A11303	1.14	1.14	1.14	1.14	0.38	0.38			0.38	1.14		0.68
7.	107	A11081	1.00	1.00		2.00		1.00		2.00	2.00	3.00		3.00
8.	108	A11581	2.80	3.00	3.00	2.60	1.00	1.00					1.00	1.00
9.	109	A11083	1.67	1.00		2.00	1.00		1.33	1.00	1.00	1.00		1.67
10.	110	A11583	2.00						2.50	1.00		2.50		2.60
11.	201	A12005		0.98		1.97		1.97	0.98	2.46	0.98	2.21	2.46	2.75
12.	202	A12006	1.40	1.17	1.40	1.28	1.17	1.36	0.58		1.50			0.82
13.	203	A12007	1.69	1.54	1.69	0.96			1.35				0.77	2.20
14.	204	A12503	1.74	1.74	1.74	1.74	0.58	0.58	0.58	0.58			0.58	0.58
15.	205	A12009	2.35	2.35	1.57	0.78							0.78	
16.	206	A12203	1.87	1.87	0.72	0.54		0.54	1.41	0.82				0.54
17.	207	A12085		1.00				1.00		2.50	2.00	2.80	2.00	2.80
18.	208	A12584	3.00	3.00	3.00	2.60	1.60	1.00					1.00	1.60
19.	209	A12382	3.00	3.00	2.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00		1.00
20.	301	A13014	2.33	2.33	2.19	1.55	1.17	0.78	1.87		1.24	1.40	1.79	1.86

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21.	302	A13504	2.34	2.34	2.34	2.34	1.56	1.56	1.56	0.78	1.56	0.78		2.34
22.	303	A13505	2.32	2.32	2.32	2.32	2.32						1.55	0.77
23.	304	A13406	2.33	1.94		2.33	1.55				2.14	1.55		1.55
24.	305	A13506	2.29	2.29	2.29	1.53	1.53	0.76	0.76	0.76	0.76	1.53	1.53	1.53
25.	306	A13401	1.75	2.33			2.33							1.55
26.	307	A13585	3.00	3.00	3.00	3.00	3.00	2.00			2.00	2.00	1.00	3.00
27.	308	A13483	3.00	3.00		3.00	2.00				2.75	2.00		2.00
28.	401	A14507	2.34	2.34	2.34	2.34	1.56	1.56	0.78			2.34	0.78	2.34
29.	402	A14508	2.30	2.30	2.30	2.30	2.30	0.77	1.53	0.77	2.30	2.30	1.53	2.30
30.	403	A14509	2.33	2.33	2.33	1.55	1.55	0.78	0.78	0.78	0.78	1.55	1.55	1.55
31.	404	A14510	2.32	1.55	2.32	1.55	1.55	1.55	1.55	1.55	2.32	2.32	1.55	2.32
32.	405	A14511	2.34	2.34	2.34	2.34	2.34	1.56	0.78	0.78	2.34	1.56	0.78	1.56
33.	406	A14016	0.77	2.31	0.77	0.77	1.54	2.31	2.31	1.54	0.77	0.77	0.77	0.77
34.	407	A14586	3.00	3.00	3.00	3.00	3.00		1.00	1.00	3.00	1.00	1.00	2.00
35.	408	A14587	3.00	3.00	3.00	2.33	2.33	1.00	3.00	1.00	1.33	1.50	2.33	2.00
36.	501	A15512	2.29	2.29	2.29	1.53	1.53	0.76	1.53	0.76	0.76	1.53	1.53	1.53
37.	502	A15513	1.54	2.31	2.31	2.31	2.31	1.54	0.77	0.77	1.54	2.31	1.54	1.54

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38.	503	A15514	2.31	2.31	1.54	1.54					0.77		0.77	2.31
39.	504	A15515	1.54	2.31	1.54	2.31	0.77			0.77	0.77	1.54		0.77
40.	505	A15518	2.29	0.76	1.53	1.53	2.29	1.53	1.53	0.76	2.29	2.29	1.53	2.29
41.	506	PE2	2.44	2.23	2.23	2.44	1.93	2.23	1.49		1.49		1.49	2.23
42.	507	OE	2.19	2.19	2.19	2.19	0.73		1.46		1.46	0.73		2.19
43.	508	OE	2.20	1.65	2.17	2.20	0.73	1.65	1.65	0.73		0.73	0.73	
44.	509	OE	1.79	1.61	1.79	1.43	0.90	1.25	1.61	0.72	1.61	0.36	0.32	1.43
45.	510	OE	1.76	1.17	1.76	1.17	1.47	1.47	1.47	0.73				1.47
46.	511	OE	1.65	1.65	1.35	1.50	2.25	1.20	1.65	1.35	1.50	0.90	1.13	1.73
47.	512	OE	1.68	1.66	1.83	1.66	1.66	1.68	1.66		1.95	1.68	1.46	1.66
48.	513	OE	1.99	0.99	2.48	2.31	1.99	1.99	2.98	0.99	2.98	2.48	1.49	2.98
49.	514	OE	3.00	3.00	3.00	3.00	2.67	2.67	2.00	2.00	2.00	1.00	2.00	2.00
50.	515	A15588									3.00			
51.	601	A15089	2.19	1.46	2.19	2.19	1.46	2.19	2.19	0.73	1.46	1.46	2.19	2.19
52.	602	A16522	2.95	1.97	2.95	2.95	1.97		0.98		1.97	1.97	0.98	2.95
53.	603	A16523	2.25	2.25	2.25	2.25	2.25	2.25	1.50	1.50	1.50	1.50	1.50	1.50
54.	604	A16525		2.83	1.76	3.00	1.33	1.33	1.33	0.33	1.33	3.00	2.36	0.75

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55.	605	A16018	1.99	2.98	2.98	2.98	2.98	1.99	1.99	1.99	1.99	2.98	1.99	2.98
56.	606	A16526	2.24	2.24	2.24	2.24	2.24		2.24		2.24	2.24		2.24
57.	607	OE	2.50	2.50	2.50		2.50		2.50		2.50	2.50		2.50
58.	608	OE	2.10	2.10	2.10	1.34		1.34	0.67				0.67	
59.	609	OE	2.74	1.83	0.91	1.37		0.91	1.83	0.91		1.21	1.21	0.91
60.	610	OE	1.60	2.30	2.00	1.80	2.30	2.00	2.30	2.30	2.30	2.00	2.50	2.50
61.	611	OE	0.98	0.42	1.47	1.47	1.27	0.84	0.73	0.56	1.47	1.13	0.73	2.11
62.	612	OE	2.20	2.00	1.80	2.00	2.00	2.20	2.80	1.60	2.20	1.00	1.50	1.40
63.	613	OE	1.80	2.00	1.70	1.50	2.00	1.20	1.20	1.00	1.00	1.00		1.00
64.	614	OE					3.00					2.00	3.00	3.00
65.	615	OE	3.00	2.00	3.00	3.00	3.00	2.00	2.00	2.00	2.00	3.00	3.00	3.00
66.	616	A16589	3.00	3.00	3.00	3.00	3.00	3.00	2.00	1.00	2.00	1.00	2.00	3.00
67.	701	A16590	2.25	2.25	2.25	2.25	2.25	0.75	1.50	0.75	2.25	2.25	1.50	2.25
68.	702	A17531	1.50	2.25	2.25	2.25	2.25	1.50	1.50	1.50	1.50	0.75	1.50	2.25
69.	703	A17532	2.25	1.50	2.25	1.50	2.25	1.50	0.75	1.50	2.25	2.25	1.50	2.25
70.	704	A17533	2.99	2.99	2.99	2.99	2.99	2.99	2.99	1.99	2.99	2.99	1.99	2.99
71.	706	A17535	3.00	3.00	3.00	3.00	3.00	2.00	1.00	1.80	2.60	2.00	2.00	2.00

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72.	707	A17537	2.24	2.24	2.24	2.24	2.24	1.49	0.75	1.94	2.24	1.79	1.49	1.49
73.	709	A17538	2.24	2.24	2.24	2.24	1.79	1.45	1.49	1.49	1.64	1.64	1.49	1.49
74.	410	A17534	1.47	1.97	1.61	1.47	1.32		1.47			1.47		1.47
75.	411	OE	2.18	2.18	2.18	2.18	1.89	2.18			1.45		1.45	2.18
76.	412	OE	2.13	2.13	0.71	0.71		0.71	0.71				0.71	
77.	413	OE	3.00	3.00	2.50	2.00		1.00	1.00				1.00	1.00
78.	414	OE	1.17	2.20	1.76	1.61	1.47	1.61	0.73	0.73	0.73	1.47	0.73	2.20
79.	415	OE	1.19	0.69	1.66	1.53	1.39	1.53	1.56	0.69	2.80	1.39	0.69	2.80
80.	416	OE	0.72	1.44	1.44	1.44	1.44	1.44	1.44	0.72	1.80	1.80	1.80	1.87
81.	417	OE	2.15	1.72	1.43		0.72	1.43	1.15	0.72				0.72
82.	418	OE		2.94	2.94		2.94	2.94	2.45				2.62	2.70
83.	419	A17593	3.00	3.00	3.00	3.00	3.00	1.00	2.00	1.00	3.00	3.00	2.00	3.00
84.	720	A17594	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.00	3.00	3.00	2.00	3.00
85.	721	A17595	3.00	3.00	3.00	3.00	3.00	2.00	1.00	1.80	2.60	2.00	2.00	2.00
86.	722	MP -I	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
87.	801	A18543	2.78	2.19	2.38	2.19	2.19	1.59	1.19	1.59	2.58	2.78	1.99	2.78
88.	802	A18544	2.16	2.35	2.35	2.35	2.74	2.16	1.96	2.35	1.96	1.96	2.55	2.35

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89.	803	A18545	2.94	2.94	2.94	2.94	2.94	1.96	0.98	1.37	1.37	2.35	1.96	1.96
90.	804	TS	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
91.	805	CVV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
92.	806	MP-II	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

POs ATTAINMENT (2016-20 BATCH):

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
Direct Attainment	2.20	2.12	2.16	2.05	1.97	1.61	1.59	1.38	1.90	1.88	1.57	1.96
Indirect Attainment	2.80	2.77	2.76	2.79	2.79	2.81	2.77	2.74	2.76	2.77	2.78	2.79
POs Attainment (80% of Direct + 20% of In Direct)	2.32	2.25	2.28	2.20	2.13	1.85	1.83	1.65	2.07	2.06	1.81	2.13

PSOs Attainment (2016 – 20 Batch):

		Subject	Attainment	PSO 1	PSO 2
101	A11001	English I	2.94	1.96	1.96
102	A11002	Mathematics I	2.32	1.55	1.55
103	A11003	Engineering Physics I	2.38	1.59	1.59
104	A11502	C Programming I	1.80	1.20	1.20

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105	A11004	Engineering Chemistry	2.37		1.58
106	A11303	Engineering Graphics	2.24	0.75	
107	A11081	English Language Communication Skills Lab I	3.00	2.00	2.00
108	A11581	C Programming Lab I	3.00	3.00	1.00
109	A11083	Engineering Physics And Chemistry Lab I	3.00	1.00	1.00
110	A11583	IT Workshop	3.00	2.00	2.00
201	A12005	English II	2.96	1.97	1.97
202	A12006	Mathematics II	2.30	1.53	1.53
203	A12007	Engineering Physics II	2.36	1.57	1.57
204	A12503	C Programming II	1.82	1.82	0.67
205	A12009	Mathematics III	2.38	1.59	1.59
206	A12203	Basic Electrical Engineering	1.77	1.18	1.18
207	A12085	English Language Communication Skills Lab II	3.00	2.00	2.00
208	A12584	C Programming Lab II	3.00	2.00	2.00
209	A12382	Engineering Workshop	3.00	2.00	2.00
301	A13014	Probability & Statistics	2.37	1.58	0.79
302	A13504	Mathematical Foundations Of Computer Science	2.37	2.37	2.37
303	A13505	Data Structures	2.33	2.33	2.33
304	A13406	Digital Logic Design	2.34	2.34	1.57
305	A13506	Object Oriented Programming	2.37	2.37	2.50
306	A13401	Electronic Devices & Circuits	2.32	2.32	2.32
307	A13585	Data Structures Lab	3.00	3.00	3.00
308	A13483	Electronic Devices & Circuits& Digital Logic Design Lab	3.00	3.00	3.00
401	A14507	Design Analysis Of Algorithms	2.97	2.97	1.98
402	A14508	Computer Organization	2.97	2.77	2.77
403	A14509	Database Management Systems	2.93	2.93	2.54
404	A14510	Software Engineering	2.94	2.75	2.75

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405	A14511	Java Programming	2.97	2.97	1.98
406	A14016	Environmental Studies	2.92	2.33	2.53
407	A14586	Java Programming Lab	3.00	3.00	2.00
408	A14587	Database Management Systems Lab	3.00	3.00	2.00
501	A15512	Linux Programming	2.35	2.35	1.57
502	A15513	Computer Networks	2.36	2.48	1.73
503	A15514	Operating Systems	2.35	2.35	2.35
504	A15515	Formal Languages And Automata Theory	2.33	2.33	2.33
505	A15518	Human Computer Interaction	1.72	1.43	1.72
506	OE	Introduction To Microcontroller & Applications	2.33	2.17	2.17
507	OE	Basic Electronics & Instrumentation	2.29	2.29	1.53
508	OE	Non Conventional Energy Sources	1.74	0.93	0.93
509	OE	Elements Of Mechanical Engineering	1.69	1.35	1.24
510	OE	Product Engineering	2.28		1.67
511	OE	Smart City	2.23	1.48	
512	OE	Remote Sensing& GIS	2.91	1.55	1.94
513	OE	Total Quality Management	1.68	0.98	0.98
514	A15588	Operating Systems & Computer Networks Lab Through Linux	1.75	1.17	1.17
515	A15089	Advanced Communication Skills Lab	3.00	3.00	3.00
601	A16522	Web Technologies	3.00	3.00	3.00
602	A16523	Compiler Design	2.23	2.86	1.79
603	A16525	Data Warehousing And Data Mining	2.16	2.16	1.44
604	A16018	Managerial Economics And Financial Analysis	2.92	2.92	2.92
605	A16526	Object Oriented Analysis And Design	2.92	2.14	2.33
606	OE	Fundamentals Of Embedded Systems	2.93	2.93	2.15
607	OE	Principles Of Communications	2.92	2.92	2.92
608	OE	Principles Of Electrical Power Utilization	2.97	2.97	1.98

NBA SAR

609	OE	Energy Auditing And Conservation	2.35	0.78	0.78
610	OE	Basic Automobile Engineering	2.34	0.78	0.78
611	OE	Material Science Engineering	2.35		1.72
612	OE	Green Building Technologies	2.87	2.15	
613	OE	Environment Pollution & Control Methods	2.95	1.47	2.21
614	OE	Financial Institutions And Markets	2.96		1.98
615	A16589	Web Technologies &Case Tools Lab	2.95	2.95	2.95
616	A16590	Compiler Design & Data Mining Lab	3.00	3.00	3.00
701	A17531	Mobile Application Development	3.00	3.00	3.00
702	A17532	Information Security	2.35	2.19	2.19
703	A17533	Cloud Computing	2.33	2.33	2.33
704	A17535	Big Data Analytics	2.30	2.16	2.16
706	A17537	Internet Of Things	2.85	2.85	2.85
707	A17538	Advanced Databases	2.28	2.28	2.28
709	A17534	Software Testing Methodologies	2.33	2.33	2.33
410	OE	Introduction To Mat Lab	2.24	2.24	2.24
411	OE	Circuit Simulation Using Pspice	1.73	1.73	1.73
412	OE	Energy Storage Systems	2.86	2.86	2.86
413	OE	Electrical Vehicles And Hybrid Vehicle	2.31	0.77	0.77
414	OE	Optimization Techniques	2.24	1.34	
415	OE	Maintenance And Safety Engineering	2.35		
416	OE	Elements Of Civil Engineering	2.91	2.91	2.91
417	OE	Introduction To Earthquake Engineering	2.97	2.97	2.97
418	OE	Fundamentals Of Entrepreneurship	2.32	2.13	2.13
419	A17593	Mobile Application Development Lab	3.00	2.80	2.80
720	A17594	Hadoop & Big Data Lab	3.00	3.00	3.00
721	A17595	Internet Of Things Lab	3.00	3.00	3.00

NBA SAR

722		Industry Oriented Mini Project	3.00	2.80	2.80
801	A18543	Design Patterns	2.98	2.78	2.78
802	A18544	E Commerce	2.96	2.96	2.96
803	A18545	Semantic Web & Social Networks	2.97	2.97	2.97
804	TS	Technical Seminar	3.00	3.00	3.00
805	CVV	Comprehensive Viva	3.00	3.00	3.00
806	MP II	Major Project	3.00	3.00	3.00
				2.30	2.17

PSOs ATTAINMENT (2016-20 BATCH):

	PSO 1	PSO 2
DIRECT ATTAINMENT	2.24	2.11
INDIRECT ATTAINMENT	2.86	2.87
PSOs ATTAINMENT (80% OF Direct + 20% OF Indirect)	2.36	2.26

CRITERION 4	STUDENT PERFORMANCE	100
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Item	2020-21	2019-20	2018-19	2017-18	2016-17	2015-16
Sanctioned intake of the program(N)	240	240	240	240	240	240
Total number of students admitted in first year minus number of students migrated to other programs/institutions plus no. of students migrated to this program(N1)	240	240	240	240	240	240
Number of students admitted in 2 nd year in the same batch via lateral entry(N2)	23	19	24	05	03	03
Separate division students applicable(N3)	NIL	NIL	NIL	NIL	NIL	NIL

4. STUDENTS PERFORMANCE

Table 4.1

NBA SAR

Total number of students admitted in the program(N1+N2+N3)	263	259	264	245	243	243
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Table 4.2

Number of students who have successfully graduated without backlogs in any semester/year of study.

Year of entry	N1+N2+N3 (As defined above)	Number of students who have successfully graduated without backlogs in any semester/year of study (No compartment or failures in any semester/year of study).			
		I Year	II Year	III Year	IV Year
2020-21	263	182			
2019-20	259	181	173		
2018-19	264	178	162	155	
2017-18	245	176	158	143	135
2016-17	243	157	138	130	127
2015-16	243	145	123	118	115
2014-15	234	139	112	101	98

Table 4.3

Number of students who graduated from the program in the stipulated period of course duration

Year of entry	N1+N2+N3 (As defined above)	Number of students who have successfully graduated			
		I Year	II Year	III Year	IV Year
2020-21	263	238			
2019-20	259	240	257		
2018-19	264	238	250	250	
2017-18	245	230	229	228	221
2016-17	243	235	228	222	217
2015-16	243	232	235	220	215

4.1 Enrolment Ratio

	N(from Table 4.1)	N1(From table 4.1)	Enrollment Ratio[(N1/N)*100]
2020-2021	240	240	100.00
2019-2020	240	240	100.00
2018-2019	240	240	100.00
2017-2018	240	240	100.00

4.2 Success Rate in the stipulated period of the program

4.2.1 Success Rate without backlogs in any semester/year of study

SI=(Number of students who have graduated from the program without backlog)/(Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable)

Average SI = Mean of Success Index (SI) for past three batches

Success rate without backlogs in any year of study = $25 \times \text{Average SI}$

Item	2017-21	2016-20	2015-2019
X Number of students admitted in the corresponding First year + admitted in 2 nd year via lateral entry and separate division, if applicable	245	243	243
Y Number of students who graduated without backlogs in the stipulated period	135	127	115
Success Index(SI=Y/X)	0.55	0.52	0.47

4.2.2 Success Rate in stipulated period

$\text{SI} = (\text{Number of students who graduated from the program in the stipulated period of course duration}) / (\text{Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separated division, if applicable})$

Success rate = $15 \times \text{Average SI}$

Item	2017-21	2016-20	2015-19
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NBA SAR

X Number of students admitted in the corresponding First year + admitted in 2 nd year via lateral entry and spate division, if applicable	245	243	243
Y Number of students who graduated with backlogs in the stipulated period	221	217	215
Success Index(SI = Y/X)	0.90	0.89	0.88

4.3 Academic Performance in Second Year

Academic Performance	2019-23	2018-22	2017-2021	2016-2020	2015-2019
Mean of CGPA or Mean Percentage of all successful students (X)	7.8	7.6	7.4	7.5	7.1
Total No. of successful students (Y)	257	250	229	228	235
Total No. of students appeared in the examination(Z)	259	262	235	238	235
API[X * (Y/Z)]	7.7	7.25	7.21	7.18	7.1

4.4 Placement, Higher Studies and Entrepreneurship

Item	2017-21	2016-20	2015-19	2014-18
Total No of Final Year Students(N)	228	222	220	203
No of students placed in the companies or government sector(X)	151	142	126	134
No of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level tests, GRE, GMAT etc.) (Y)	15	25	19	6
No of students turned entrepreneur in engineering/technology (Z)	2	8	1	3
Placement Index $[(X+Y+Z)/N]$:	0.74	0.79	0.66	0.70
Average placement= $(P1 + P2 + P3)/3$		0.72		
Assessment Points = $30 \times \text{average placement}$		21.6		

4.5 Professional Activities (20)**4.5.1 Professional societies/ chapters and organizing engineering events (5)****The Summary of professional Chapters and club Activities:**

Academic year	Professional Chapter and Clubs									
	CSI	ISTE	ACM	IEEE	SPEED	WEB CLUB	ANDROID & DSC CLUB	IoT CLUB	AI+ CLUB	TOTAL

NBA SAR

2020-21	3	1	2	0	1	2	3	1	2	14
2019-20	5	3	-	2	0	1	1	4	2	18
2018-19	4	5	-	1	1	1	1	4	2	19



Inauguration of CSI student Chapter @ VJIT



Inauguration of ISTE student Chapter @ VJIT

Engineering Events under Professional societies

CSI Chapter

2020-21			
S.No	Date	Topic	Resource person
1	1 st & 8 th June 2021	Webinar on “Object Oriented Programming Concepts”	Mr. Syed Rahmath, Software Engineer CAP INC Mr. Mohammed Afroz,

NBA SAR

			Associate Professor , Muffakhamjah College of Engineering-Hyderabad
2	08/10/2020	Webinar on “Cyber Security”	Mr. C Swamy, Pantech, Hyderabad.
3	22-07-2020 to 28-07-2020	Faculty Development Program on “Recent Trends and Advancements in Computer Science”	1. Dr. K Subramanyam, Prof in CSE, KLU 2. Dr. G Ramesh Chandra, Head RCC, Prof. in VNR VJIET 3. Dr. Sridhar Swaminathan, Prof in CSE Bennet University, Noida 4. Prof. P Radha Krishna, Head CSE, NIT(W)

2019-20			
S.No	Date	Topic	Resource person
1	25/02/2020	Guest Lecture on “REDHAT LINUX”	Mr. Aneesh PV Manager Prodevans
2	15/02/ 2020	Coding Competition “CODEIT”	In association with “ Code Chef ”
3	19/12/2019.	A seminar on “Master Degree in Engineering and Computer Science”	Dr. Salvatore Distefano, Associate Professor, Computer Science and Engineering, University of Messina, Italy
4	5/12/2019	Seminar on “Holistic solution for enhancing employability	Mr. K Naresh Kumar, Software Engineer,

NBA SAR

		campus 2.0”	Bangalore
5	4 th -6 th July 2019	International conference on Computational Intelligence Data Engineering “ICCIDE-2019”	Dr. Deepak Garg, Bennett University, Noida, Dr. Uma Shanker Subramaniam , Prince Sultan University Saudi Arabia, Dr. C Krishna Mohan, Professor IITH, Dr. Raghu Reddy Assoc. Prof. IITH, Mr. R Ranjan Mishra Sr. Tech Architect, Infosys .The Chief Guest- Dr.Krishna Vedula, Founder & Executive Director IUCEE.

2018-19			
S.No	Date	Topic	Resource person
1	8/10/2018.	A One Day Seminar “Big Data Analytics”	Mr. A. VenkataVenugopal, IT Analyst, TCS Hyderabad.
2	6 th & 7 th October 2018.	Two day hands on workshop on “Machine Learning” under CSI chapter on	Mr. P Mohan, Senior Data Science Scientist TechMahindra, Hyderabad.
3	28 th & 29 th September 2018	Two Day Hands on Workshop On “AUGMENTED REALITY AND VIRTUAL REALITY”	in collaboration with Eduridge Pvt. Ltd. Hyderabad
4	21 st July 2018	a seminar on “Machine Learning & Applications”	Dr. Ramesh Babu Mr. Tarakeshwar Rao Mr. Abdul Majeed

NBA SAR

ISTE

2020-21

S.No	Date	Topic	Resource person
1	31/07/2021	A webinar on “Chat Bot Development using NLP”	Mr. Aleti Praneeth Reddy, Software Engineer, Capgemini, Hyderabad

2019-20

S.No	Date	Topic	Resource person
1	24/01/2020	A One- Day Workshop on “Enterprise Artificial Intelligence”	Mr. Jothi Periasamy, Chief AI Architect, DeepSphere Hanu Yedluri Principal Scientist, BrainLabs
2	19/12/ 2019	A Seminar on “Research Activities and Objectives”	Dr. Salvatore Distefano, Italy
3	3/10/ 2019	A Guest Lecture on “Just in Time”	Mr. P.M.Balaji, Associate Vice President, Toshiba, Tokyo.

2018-19

NBA SAR

S.No	Date	Topic	Resource person
1	16 th - 17 th March 2019	A Two Day Workshop Artificial Intelligence & Machine Learning ”	Mr. P Mohan, Chief Advisory in Data Science, Engineering Staff College of India (ESCI), Hyderabad.
2	1 st 2 nd February 2019	A Two Day Workshop on Ethical Hacking	Dr. SRM Krishna, VJIT, Hyderabad
3	25/01/2019	A Seminar on “Career Development in IT”	Mr. A. Niranjana Lal, Technical Head, TCS Hyderabad.
4	4/10/2018	A Seminar on “Recent Trends in IT Industry”	Mr.Pravesh Jha, Product Manager
5	1/10/2018	A one Day Workshop on “Entrepreneur Journey”	Sri Charan, CEO, StuMagz Nikeel, Founder, Digital Connect Karan Shah, Graphics Designer

ACM

2020-21

S.No	Date	Topic	Resource person
1	12th February 2021	Recent Trends in Software Engineering	Dr.D.P.Mohapathra, Prof CSE Dept, NIT- Rourkela
2.	10 th October 2020	Inauguration of VJIT ACM Student Chapter	Mr. Karthik Ganapathi, Managing Director, VSG Software Solutions, Mysore

NBA SAR

IEEE

2019-20

S.No	Date	Topic	Organized by
1	29 th February 2020	Training on Advanced Digital System using Simulink	Mr. G. Surender, Senior Hardware Design Engineer, Reliance Jio Infocomm Limited, Mumbai, Dr. M Girish Kumar
2	4 th October 2019	Women in Engineering-2019	Ms. Deepthi Ravula, CEO, WE-Hub, Govt.of Telangana

2018-19

S.No	Date	Topic	Organized by
1	9 th February 2019	Gender sensitization	Dr. Vishnu Vandana, Professor, Anurag Group of Institutions,

IUCEE-SPEED

2020-21

S.No	Date	Topic	Resource person
1	5 th December 2020	Inauguration of EWB Chapter	Mr. Bharat Maharaj

NBA SAR

			Chairman EWB-India
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2018-19

S.No	Date	Topic	Resource person
1	29 th September to 1 st October 2018.	A 3-Day workshop on “Fostering The Engineers Of Tomorrow”	SPEED Regional student forum (RSF)

WEB CLUB**2020-21**

S.No	Date	Topic	Resource person
1.	8th June 2021	Product Design & Product Engineering	Sri Lakshmi Swetha Viriyala, Program Manager, Vaave,Hyd
2.	13th April 2021	Covid-19 Data Analysis & Forecast	Jeetu Gupta, Pantech Solutions

2019-20

S.No	Date	Topic	Resource person
1	7 th March 2020	A One Day workshop on Bootstrap	Resource Person: Rakesh Kumar, Managing Director, 360 Digrii Training, Consulting & Outsourcing, Hyderabad

2018-19

NBA SAR

S.No	Date	Topic	Resource person
1	29 th September 2018	ONE DAY WORKSHOP ON “Front End Development” For III B.Tech CSE students	Mr. Ashfaq Nisar Mr. Vamshi Krishna Mr. K Vinay Kumar @Web club members

ANDROID&DSC CLUB

2020-21			
S.No	Date	Topic	Resource person
1	6th August 2021	Google Interaction Meet	Syed Ali Hasan, TASK
2	3rd May 2021	Android development with Kotlin	Binay Roy, TASK
3	16th January 2021	Importance of Data Structures and Algorithms	Harsh Agarwal, CODE CHEF

2019-20			
S.No	Date	Topic	Resource person
1	14-02-2020 To 15-02-2020	A Two-Day workshop on Android Application Development	Resource Person: Rakesh Kumar, Managing Director, 360 Digrii Training, Consulting & Outsourcing, Hyderabad

2018-19

NBA SAR

S.No	Date	Topic	Resource person
1	10-08-2018 to 11-08-2018	A Two Day workshop on Android Fundamentals	Mr. Rakesh Kumar, Managing Director, 360 Digrii Training, Consulting & Outsourcing, Hyderabad

IoT Club

2020-21			
S.No	Date	Topic	Resource person
1	29 th August 2020	Webinar on AWS IoT	AWS

2019-20			
S.No	Date	Topic	Resource person
1	28 th -30 th May, 2020	“Fundamentals of Internet of Things(IoT)”	In association with Pantech Labs
2	10 th -14 th May, 2020,	Internet of Things (IoT) for Emerging Applications	In association with Pantech Labs
3	8 th February 2020	One Day Workshop on “Arduino, a Course in the IoT Series” under MHRD, GOI	IIT Bombay
4	31 st January 2020	JHub Hackaton-2020 at Vidya Jyothi Institute of Technology	JHub

NBA SAR

2018-19			
S.No	Date	Topic	Resource person
1	2 nd & 3 rd February 2019.	A Two Day Hackathon through J-Hub Theme: Agriculture, Block Chain, health Management, and smart innovation.	J-Hub Department of Computer Science & Engineering under IoT Club
2	6 th November 2018	IOT HANDS ON WORKSHOP	TASK
3	13 th & 14 th October 2018	NASA Space Apps Challenge 2018 A Two-Day Hackathon in Vidya Jyothi Institute of Technology,	Under IoT Club.
4	10 th July-2018	IoT Challenge 2019	TASK

AI Club

2020-21			
S.No	Date	Topic	Resource Person
1	9 th -10 th July 2021	A two day workshop on “Computational Intelligence	1. Dr. Raghava Mutharaju

NBA SAR

		and Blockchain Technology”	Assistant professor, IIT Delhi 2. Dr. Suresh Babu Assistant Professor, NITW
2	17 th July 2021	A webinar on “Next Generation Networks”	Dr. Battula Ramesh Babu, Assistant professor, MaValiya National Institute of Technology, Jaipur.

2019-20			
S.No	Date	Topic	Resource Person
1	8 th - 12 th June 2020	Global FDP: Artificial Intelligence	In association with Deespshere.AI
2	24 th January 2020	A Workshop on “Enterprise Artificial Intelligence”	Jothi Periasamy , Chief AI Architect , Deespshere.AI Hanu Yedluri,, Senior Data Scientist BrainLabs.AI

2018-19			
S.No	Date	Topic	Resource Person
1	27 th -28 th April 2019	Workshop on Artificial intelligence , Machine Learning and Deep Learning	Dr. Sridar Swamynadan, Professor in CSE Dept., Bennet university, Noida

NBA SAR

2	16 th -17 th March 2019	A Two Days Workshop on “AI&ML”	Mr. P Mohan, Senior Data Science Scientist Tech Mahindra Hyderabad
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PHOTOGRAPHS OF EVENTS UNDER PROFESSIONAL CHAPTERS

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

PROFESSIONAL CHAPTERS



**Association for Computer Machinery
(ACM)**

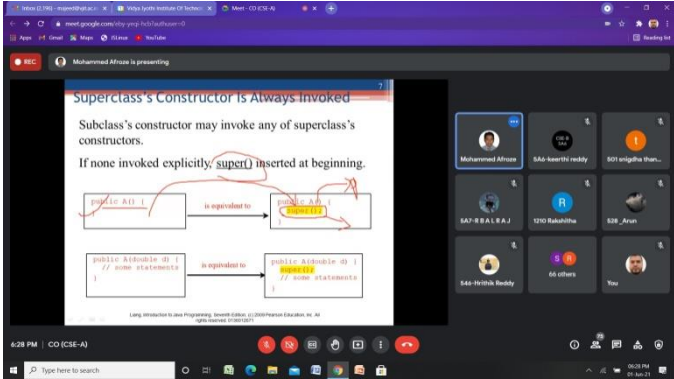



Indian Society for Technical Education (ISTE)




**Computer Society of India
(CSI)**

Academic Year: 2020-21

S.No.	Event Conducted Under CSI	Event Photo
1	<p>Webinar on</p> <p>“Object Oriented Programming Concepts”</p> <p>Under CSI Students Chapter by</p> <p>1.Mr. Syed Rehmath,</p> <p>Senior Software Engineer, Gap Inc</p> <p>2.Mr. Mohammed Afroz,</p> <p>Associate Professor</p> <p>Muffakhamjah College of Engineering-Hyd</p> <p>Date: 01 June 8, 2021</p> <p>Time: 5:00pm-7:45pm</p>	
2	<p>Vidya Jyothi Institute of Technology,</p> <p>Dept of CSE in association with</p> <p>Pantech solution and CSI Students chapter organized A LIVE</p> <p>Webinar session on</p> <p>“Cyber Security-- Secure your Data”</p> <p>Schedules & Domains:</p> <p>Date: Thursday, October 08th, 2020</p> <p>Time: 04:00PM to 05:30PM</p>	

NBA SAR

3	<p>Vidya Jyothi Institute of Technology, Department of Computer Science & Engineering in association with VJIT CSI students Branch, has organized a series of online Webinar sessions on Faculty Development Programme on “Recent trends and Advancements in Computer Science” by Eminent Academicians for the benefit of faculty.</p> <p>The schedule is from July 22nd to 28th 2020 from 5PM to 6PM</p>	
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Academic Year: 2019-20

S.No.	Event Conducted Under CSI	Event Photo
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NBA SAR

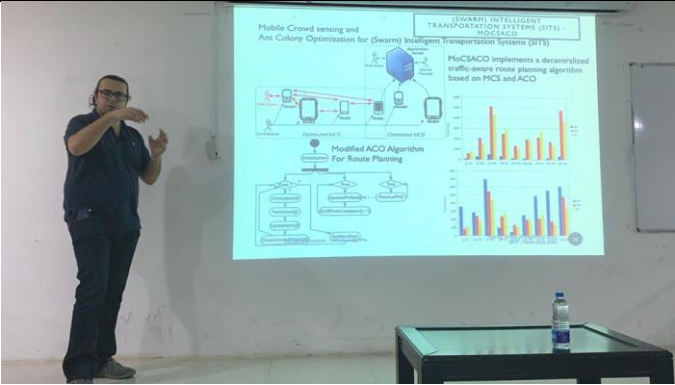

1	<p style="text-align: center;">Guest Lecture on “REDHAT LINUX” On 24/02/2020 By Mr. Aneesh PV Manager, Prodevans Tech, Bangalore</p>	
2	<p style="text-align: center;">Coding competition <CODEIT> on 15/02/2020 in association with codechef</p>	
3	<p style="text-align: center;">A seminar on “Master Degree in Engineering and Computer Science” on 19/12/2019</p>	

NBA SAR





4	Seminar on “Holistic solution for enhancing employability campus 2.0” on 05/12/2019	
5	International Conference on “Computational Intelligence and Data Engineering” (ICCIDE) – 2019 on 4 th – 6 th , July 2019.	

S.No.	Event Conducted Under ISTE	Event Photo
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NBA SAR

1	<p>A Seminar on “Research Activities and Objectives” on 19/12/2019 by Dr. Salvatore Distefano, Italy</p>	
2	<p>Departments of CSE under ISTE chapter has conducted a very educative Guest lecture on 3rd October, 2019 on “Just-In Time” (JIT) by Mr. P. M. Balaji, Vice President - Supply Chain Management. Toshiba Plant Systems & Services Corp (TPSC Engineering). Tokyo</p>	

S.No.	Event Conducted Under ACM chapter	Event Photo
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1	<p style="text-align: center;">ACM inauguration</p> <p>The Department of CSE at Vidya Jyothi Institute of Technology have inaugurated the ACM Student Chapter on Saturday, 10th October 2020. by Mr. Karthik Ganapathi, Managing Director, VSG Software Solutions, Mysore</p>	 <p>VIDYA JYOTHI INSTITUTE OF TECHNOLOGY (An Autonomous Institution) Accredited by NAAC Aziz Nagar Gate C.B. Post, Hyderabad-500 075, Telangana, India</p>  <p>Department of Computer Science & Engineering Inaugurating "VJIT ACM Student Chapter" On 10.10.2020 @ 05.00 PM</p>  <p>GUEST OF HONOR KARTHIK.GANAPATHI Managing Director, VSG Software Solutions, Mysore.</p>  <p>CHIEF PATRONS Dr. P. Rajeshwar Reddy, M.U.C. Secretary & Correspondent Mrs. S. Neelima Joint Secretary, VIES</p> <p>PATRONS Dr. E. Sai Baba Reddy, Director Dr. A. Padmaja, Principal</p> <p>Meeting link: meet.google.com/apg-icac-qyg</p> <hr/> <p>CONVENER Dr. B. Vijayakumar Professor & HOD CSE DEPT</p> <p>Office Bearers V Manish: Chair (II-Year) M Manasa: Membership Chair (II-Year) Ch Sai Rohith: Vice Chair (II-Year) P Piyush: Secretary (II-Year) M Ankit: Treasurer (II-Year)</p> <p>Faculty Coordinator K Srinivasa Rao Assoc Professor</p>
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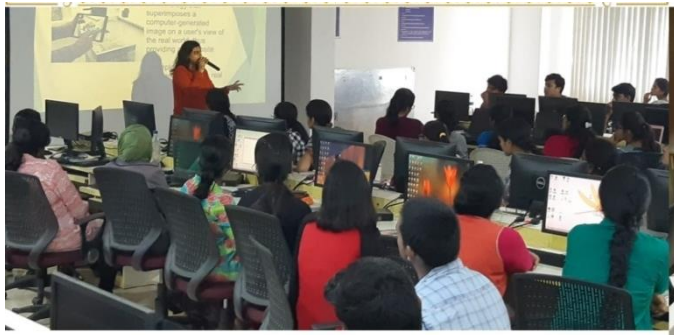

Academic Year: 2018-19


S.No.	Event Conducted Under CSI	Event Photo
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NBA SAR

1	<p>Department of CSE under CSI Chapter at VJIT has organized a one week National level Faculty Development Program (FDP) on “VIRTUALIZATION AND CLOUD COMPUTING” in association with NIT Warangal during 20th -25th May 2019.</p>	
2	<p>Prometheus: An annually National level technical festival of CSE Department of VJIT is interspersed with numerous technical events. The organization and execution of these events is handled by CSE students themselves and guided by the faculty incharges in association with Computer Society of India (CSI). Here is a brief overview of the various events.</p>	
3	<p>A Seminar on “Bigdata Analytics” on 8/10/2018 by Mr. A Venkata Venugopal, IT Analyst, TCS Hyderabad.</p>	

NBA SAR

4	<p>Two Day Hands on Workshop On “AUGMENTED REALITY AND VIRTUAL REALITY”</p> <p>on 28th & 29th September 2018</p> <p>by</p> <p>Ms. Neha,</p> <p>Mr. Nikhil</p> <p>Eduridge Pvt. Ltd. Hyderabad</p>	
S.No.	Event Conducted Under ISTE	Event Photo
1	<p>Department of CSE at VJIT have organized A Two Day Workshop on “Ethical Hacking” on 2/02/2019</p> <p>By Mr. SRM Krishna,</p> <p>Professor VJIT Hyderabad</p>	

2	<p>A one Day Workshop on “Entrepreneur Journey” on 01/10/ 2018 by Mr. Sri Charan, CEO, StuMagz Mr. Nikeel, Founder, Digital Connect Karan Shah, Graphics Designer</p>	
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4.5.2 Publication of technical magazines, Newsletters, etc (5)

Department Newsletter details:

S.No.	Academic year	Magazine Name	Frequency	Names of the Editor	Name of the Publisher
1	2020-21	Disc-Us	Half Yearly	Dr. B.VijayaKumar Abdul Majeed B. Sailaja	VJIT
2	2019-20	Disc-Us	Half Yearly	Dr. B.VijayaKumar Abdul Majeed B. Sailaja	VJIT

NBA SAR

3	2018-19	Disc-Us	Half Yearly	Dr. B.VijayaKumar Abdul Majeed B. Sailaja	VJIT
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4.5.3 Participation in inter-institute events of the program of study (10)

Students Participation in inter-institute events of the program of study

Academic Year	No of students Participated/ Attended/ Presented	No of awards received
2020-21	31	09
2019-20	82	21

NBA SAR

2018-19	89	14
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Academic Year	No of students Participated/ Attended/ Presented		No of awards received	
	A	B	A	B
2020-21	19	12	04	05
2019-20	42	40	12	09
2018-19	63	26	10	4

A. Events Within the State

B. Events outside the state

AY 2020-21

A. Events within the state-Participated				
S.No	Student Name	Event Name	Venue	Date

NBA SAR

1	Lalith Akash	Hackathon	St. Peter's Engineering College, Hyderabad.	29 th -30 th January 2021
2	K Ashritha			
3	L Nishit Reddy	EXCITE-2020	JNTU Hyderabad	18 th June-2020 30 th July 2020
4	Sai Yuva Teja			
5	B Chaitanya			
6	Mohammad Arbaz			
7	P Dheeraj Reddy			
8	Sri Harsha	AWS Training & Certification	Amazon	11 th April 2021
9	L Kalyani			
10	Mohammed Imran			
11	Sai Pranav T	Ideathon'20 "Social Community Problems"	VJIT	20 th -23 rd September,2020
12	Sapan Raj Mathur			
13	Thejus Verma			
14	Taseen			
15	Venkateshwara Rao Jayasurya	Google -DSC-Lead-	Google -DSC	1 st July 2021
16	K Vinay Reddy	Microsoft Student	Hyderabad	2021

NBA SAR

		Partners		
17	Sushanth Migili	Paper Publication: Applications of Data Science and Machine Learning in e-Commerce	The International Journal of Analytical and Experimental modal analysis	January 2021 Volume XIII Issue I ISSN No. 0886-9367
18	Pisipati Pranav			
19	E Soumya	Paper Publication “Filtering-Based online social voting for recommendation”	JCT Journal Volume: XIII Issue: XII	ISSN : 0731-6755 December 2020

B. Events outside the state-Participated				
1	Lalith Akash	Encode Algorand Club Pre-Accelerator Program “ VerifyMe ”	Hosted virtually	10 th September - 24 th November 2020
2		Post Covid Hack Global Blockchain Hackathon “Impact of Investment and Lending post	Hosted virtually	1 st August to 8 th November 2020,

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		COVID-19”		
3	Ashfaq Nisar	Smart India Hackathon (SIH-2020)	National Level event	June -2020
4	Vamshi Krishna			
5	R Manogna			
6	Vinay Kumar			
7	P Sharan Kumar			
8	K Manasa			
9	B Lalith Akash	Internship	PollyApps LLC USA	August 2020
10	Bhanu Medury	The 12 th international Conference on Computing.	IEEE IIT Kharagpur, West Bengal	6 th -8 th July 2021
11	M Gautham Sagar	Quiz Competition	Online	12 th May 2020
12	Kadem Akhila	Pillai HOC COE&T Rasayani, Maharshtra		

A. Events within the state -Awards Received

S.No	Student Name	Event Name	Venue	Date	Awards
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NBA SAR

					Received
1	1. Lalith Akash 2. K Ashritha	Hackathon	St. Peter's Engineering College	29 th -30 th January 2021	Cash prize Rs.5000/-
2	1. L Nishit Reddy 2. Sai Yuva Teja 3. B Chaitanya 4. P Dheeraj Reddy 5. Mohammad Arbaz	NIC-2020 National Innovation Contest-2020	Hyderabad	June-2020	Granted funding of Rs. 215000/-
3	Venkateshwara Rao Jayasurya	Google -DSC-Lead-	Google -DSC	1 st July 2021	GDSC Lead Certificate
4	K Vinay Reddy	Microsoft Student Partners	Hyderabad	2021	MSP Certificate
B. Events outside the state- Awards Received					
1	1. Ashfaq Nisar 2. Vamshi Krishna 3. Manogna 4. Vinay Kumar 5. K Manasa 6. P Sharan Kumar	Smart India Hackathon (SIH-2020)	National Level event	June -2020	Winner
2	B Lalith Akash	Internship	PollyApps LLC, USA	August 2020	Best Intern
3	Bhanu Medury	The 12 th international Conference on	IEEE	6 th -8 th July 2021	Paper

NBA SAR

		Computing.	IIT Kharagpur, West Bengal		Presentation
4	Lalith Akash	Encode Algorand Club Pre-Accelerator Program “VerifyMe”	Hosted virtually	10 th September - 24 th November 2020	15,101 Algo (INR 3.3 Lakh at the time of transfer)
5		Post Covid Hack Global Blockchain Hackathon “Impact of Investment and Lending post COVID-19”	Hosted virtually	1 st August to 8 th November 2020,	3 rd Position Prize Money: 0.3 Bitcoin (INR 4.18 Lakh equivalent at the time of transfer)

Students Participation in Inter-Institute Events and Awards

AY 2019-20

S.No	Student Name	Event Name	Venue	Date	Award
1	1. Ashfaq Nisar 2. G.Vamshi Krishna 3. R Manogna 4. Vinay Kumar 5. P Sharan Kumar 6. K Manasa	SIH-2020 Smart India Hackathon	National Level Event	SIH-2020	Winner
2	Lalith Medury	EOSIO Virtual Hackathon	Virtual	1 st May-2020	Project

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		Coding for Change (900 participants from 92 countries)		1 st June 2020	demonstrated
3	1. Kayala Manogna 2. Narra Sushma 3. P Srinila Reddy 4. K Nagaraju	QUEST 2020 Workshop on “DATA SCIENCE AND MACHINE LEARNING”.	JNTU Hyderabad	29 th FEB and 01 st MARCH, 2020	Participated
4	Saumya Gupta	A two Day Workshop on “AI&ML”.	Osmania University Hyderabad	29 th FEB and 01 st MARCH, 2020	Participated
5	1. Sri Teja Makam 2. Vinay Kumar Reddy	Qlik Datathon Challenge#4	Qlik and C40 cities	February to May 2020.	Winner
6	Lalith Akash	“QUEST-2020” Paper Presentation Published in IJERT March 2020.	JNTUH college of Engineering	12 th -13 th March 2020.	1st Prize
7	K Pooja	HACKTIVISION Workshop on “Ethical Hacking and Cyber Security”	JNTU Hyderabad	8 th & 9 th February 2020	Participated
8	M. Harshit Reddy	IASF 2020 “Education Augmentation”	Anurag Group of Institutions	4 th -7 th January 2020	Winner
9	T Naga Sai Sivani	HealthCare 4.0	VNRVJIET	11 th -12 th Jan 2020	Participated

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10	Thejus Varma	36 hours Hackathon			
11	1. Sameer Desai 2. Chethan 3. Sunil 4. Bharath	ICTIEE-2020 Poster Presentation “ViReSa”	Anurag Group of Institutes	5 th -8 th January 2020	2nd Prize (Rs. 10,000/-)
12	1. B.Ramu 2. Akshat Agrawal 3. S.Kishore Kumar 4. N.Thrun Reddy	CTIEE-2020 paper presentation	Anurag Group of Institutes	5 th -8 th January 2020	Presented, and discussed during the conference
13	M. Ankitha	IASF 2020 Track Sanitation titled “Eco Friendly Incinerator”	Anurag Group of Institutions	4 th -7 th January 2020	Runner-up (Rs.1000/-)
14	Vijay B	Enlightenment 2020 Quickathon	SIGCE, Ghansoli Maharashtra	2020	First Position
15	1. Sameer Desai 2. Chethan 3. Sunil 4. Bharath	Hackathon League In association with JHUB JNTUH Water Quality Assessment	ACE Engineering College	28 th -29 th January 2020	1st Position (Winner)
16	Saumya Gupta	Workshop on “Advance AI with ML”	BITS-Pilani with Kyrion Technologie	27 th January 2020	Participated
17	1. P Preethi 2. Kusa Ravali 3. Akanksha Bhaiyya	Future Sastra 2K20 –National Level Technical	MALLAREDDY Engineering College(W)	25 th and 26 th January 2020	Participated

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		Symposium.			
18	G Nikitha	A National Level 36 Hrs Hackathon J-HUB Hackathon League	BVRIT Hyderabad	24 th -25 th January 2020	Participated
19	Saumya Gupta	Workshop on	BITS-Pilani with	25 th & 26 th January 2020	Participated
20	Goturi Sai Karthik Reddy	“Artificial intelligence with ML”	Kyrion Technologies		
21	1. Thejus Verma, 2. Taseen, 3. Sapan Raj Mathur 4. Saumya gupta	Internal Hackathon	VJIT	21 st December 2019	2nd prize (Rs. 3000/-)
22	1. P Dheeraj Reddy 2. Sai Yuva Teja 3. B Chaitanya 4. L Nishit Reddy	J-HUB Hackathon League	CVR College of Engineering	27 th & 28 th December 2019	3rd Position
23	1. T Harika 2. Manoj Rao 3. Ch Avyaya 4. J Santosh 5. Ch Harishwar Reddy	J-HUB Hackathon League	CVR College of Engineering in association with JHUB	27 th & 28 th December 2019	Participated
24	6. Sai Yuva Teja 7. B Chaitanya 8. P Dheeraj Reddy 9. L Nishit Reddy	JHUB league National Level Hackathon “ROBOTIC PROCESS AUTOMATION”	Geethanjali College of Engineering & Technology	23 rd -24 th December 2019.	3rd Position Cash prize Rs. 5000/-

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25	K Vinay Kumar Reddy.	Microsoft students partner (MSP)	Microsoft Hyderabad	December 2019	Selected as MSP of VJIT
26	Ramu Babinolla	Google cloud Webinar	online	28 th November 2019	Attended
27	G Vishnu Vendith	National level Conclave On Cyber policing best practice meet-2019	Cyber Cell Hyderabad	24 th November 2019	Certificate of appreciation
28	S Naga Babu	Kalam Bharat 2019	Kalam Library Project Is The World's Largest Free-Library Movement	2019	Pivotal role in setting up the Kalam Libraries
29	1. Sameer Desai 2. Chethan 3. Sunil 4. Bharath	Challenge ACI A 48 hour National Level Hackathon	GRIET, Hyderabad	11 th -13 th October 2019	1st Prize (Rs. 20000/-)
30	Y Nikhita Naidu	Kalam Book summary writing contest 2019.	ICT Academy	27 th September-2019	1st Runner-up (Rs. 5000/-)
31	M Sushanth	Techgig code wizards Times Job	Hyderabad	18 th September 2019	participated
32	Thejus Varma	Google AI Explore ML	Google	14 th -15 th September 2019	Participated

NBA SAR

	Madineni Jitin Krishna				
33	G Srilekha CH Gayatri	Hack4Good	Sathyabama Institute of Science & Technology- Chennai	6 th -7 th September 2019	2nd Position
34	1. Sameer Desai 2. Chethan 3. Sunil 4. Bharath	IoT Hackathon	AGI Hyderabad	31 st August 2019	Winner
35	1. Ashfaq Nisar 2. G.Vamshi Krishna 3. Vinay Kumar 4. Sai Yuva Teja	IBM Hack Challenge 2019	IBM India Pvt Ltd Bangalore	30 th August 2019	Winner The Jury Award- Best UI
36	Tanuja P	45 days Summer Training on Artificial intelligence	Wingfotech Pvt. Ltd in association with Aakaar-IIT Bombay	30 th July 2019	A+ Grade
37	Palthya Rajesh	Google Digital “Fundamentals of digital marketing”	Online	25 th July 2019	Certificate of achievement
38	Sameer Desai	ENLITE 2019 Bootcamp CAR Theft Prevention	TEQIP-3 JHUB-JNTUH	1 st -8 th June 2019	First Position

**Students Participation in Inter-Institute Events and Awards
AY 2018-19**

S.No	Student Name	Event Name	Venue	Date	Award
1	1. R Naga Manogna 2. Ashfaq Nisar, 3. K Vinay Reddy, 4. Vamshi Krishna, 5. Manasa Kunduri	“NASA INTERNATIONAL SPACE APPS CHALLENGE 2018” “Mars Habitat Design”.	BVRIT Hyderabad	2018	1st Prize
2	1. CBVS Sampath Kumar, 2. B Narsimhlu	Hackathon	conducted by Virtusa	21 st March 2019	Selected into Virtusa with 5-7 Lakhs Package
3	1. A Yashwanth Kumar 2. Ashish Agarwal 3. Setty Kranti	KCE-Dhruva Technical Event-Ex Quiz Me	Karpagam College of Engineering Coimbatore	14 th & 15 th March 2019	First Prize
4	1. Malgari Swapna 2. T Shresta	3rd International Conference on Data Engineering and Communication Technology	Stanley College of Engineering & Technology for Women	14 th -16 th March 2019	Participated
5	1. Ashfaq Nisar, 2. Vinay Reddy, 3. Vamshi Krishna, 4. Manogna Raysam, 5. Manasa Kunduri	National Level “Smart India Hackathon”	SIH-2019	2 nd & 3 rd March 2019	Winners
6	1. G Srilekha 2. Ch Gayathri 3. Ch Vidula	2 Day workshop on “Software Quality Testing”	Stanley College of Engineering & Technology(W)	2 nd & 3 rd March 2019	Participated
7	1. P Saketh Reddy, 2. R Vaishnavi	Hackin-City held at INFOTSAV’19,	ABV-IIITM Gwalior	8 th & 9 th	3rd position

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				February, 2019.	
8	1. M Manoj 2. Varun Vanam 3. D Neha Ramya 4. N Sri Harsha 5. Rabarapu Poojitha 6. Vaishnavi Ragalla	Hackin-City held at INFOTSAV'19,	ABV-IIITM Gwalior	8 th & 9 th February, 2019.	Participated
9	Palthya Rajesh	Qlik Sense Business Analyst qualification	Qlik	February 2019	Certificate of Qualification
10	1. Sivaraju Venkata Hari Chandana 2. N Sai Aparanji 3. Kasa Mamatha 4. Sai Priya S	Two Day workshop on “Android App Development”	BITS Pilani Hyderabad Campus	26 th & 27 th January 2019	Participated
11	1. A Shreya 2. Thejus Varma 3. M Sahithi 4. M Sushanth	36 Hours J-Hub Hackathon League Idea: “Kisan Gyan” in the digital Agriculture domain	VNRVJIET	18 th -19 th January 2019	Presented
12	1. K Haritha Rathnam 2. K Pooja	Hacakthon League	CVR College of Engineering	11 th -12 th January 2019	Participated
13	1. Y S S Manojna 2. B Nikitha	Agritech-e-Thon National level Hackathon JHUB	Geethanjali College of Engineering and Technology	5 th & 6 th January 2019	Participated
14		Hyderabad Youth Assembly	Hyderabad	2018-19	Certificate of Achievement

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	G Sai Karthik Reddy	Group Discussion and Interview			
15	Ch Prerana	TalentBattle.in Placement Heat 2.0 A National Level Mock Placement Contest	Online	2018	Participated
16	1. Ch Meghana 2. V Udaya	Youth Speak Forum 2018	BITS	2018	Attended
17	1. P Tanuja 2. Ch Meghana	ATOMS-AI Workshop	BITS	2018	Attended
18	1. Malgari Swapna 2. Sai Aparanji N 3. V Swetha 4. J Sai Sri Harshitha 5. R Poojitha	Telangana State Smart City Hackathon 2018	Government of Telangana	2018	Participated
19	1. Ashfaq Nisar, 2. Vinay Reddy, 3. G Vamshi Krishna, 4. anogna Rayasam, 5. Manasa Kunduri 6. Yashwant S 7. A Amith Raj 8. K Rohan	Telangana State Smart City Hackathon 2018	Government of Telangana at GRIET	2018	Rank 398/16600
20	Prasanjeet Paul	Android App Development Attendance Calci	Hyderabad	2019	Android App

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21	K Ashritha	Work as vice-President Street Cause Hyderabad	Hyderabad	2018-19	Certificate of Appreciation
22	1. Deepthi Sripada 2. N Sai Aparanji	TEKHACK-AGI 24Hrs Hackathon on Building Chatbots using IBM Watson	Anurag College of Engineering. Hyderabad	2 nd -9 th January 2019.	2nd Runner up
23	N Sai Aparanji	TEKHACK-AGI 24Hrs Hackathon on Building Chatbots using IBM Watson	Anurag College of Engineering. Hyderabad	2 nd -9 th January 2019.	Finalist
24	Y Mahendra Rohit,	Poster Presentation titled “PET ME” at IEEE 8 th International Advanced Computing Conference	Bennett University, Noida, India.	14 th -15 th December 2018	Presented
25	G Niharika	Poster Presentation titled “Emotion Recognizing Assistant” at IEEE 8 th International Advanced Computing Conference	Bennett University, Noida, India.	14 th -15 th December 2018	Presented
26	Tutika Naga Sai Sivani	NASA Space Apps 2018 and Smart City Hackathon	Exhibition Ground Hyderabad.	20 th -21 st October 2018	Exemplary Performance
27	1. N Sai Aparanji 2. Naveen Kumar 3. T Naga Sai Sivani 4. Ryabarapu Poojitha	Hackathon NASA Space Apps 2018	Exhibition Ground Hyderabad	20 th -21 st October 2018	Participated

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28	Prerana Ch	HEAT 2.0 National level Mock Placement Contest	Talent Battle	2 nd September 2018	Participated
29	EZERKA Technology Solution	Registration of Firm	Hyderabad	12 th September 2018	Firm Registration
30	1. T Harika 2. Neha Ramya	A Two Day workshop on “Augmented Reality and Virtual Reality”	ArchiMaze Hyderabad	28 th & 29 th September 2018.	Attended
31	Vijay Reddy	Six week online Training on “Android App Development”	INTERNSHALA	15 th August-25 th Sept 2018	Completed
32	Ch Meghana	Android App Development	INTERNSHALA	15 th August to 25 th September 2018.	Successfully Completed
33	Y Naveen Kumar	Successfully Completed the course on C	Hyderabad	August 2018	Grade A
34	Palthya Rajesh	Two day workshop on “Robotics & Internet of Things”	BITS Pilani Hyderabad Campus	18 th -19 th August 2018	Participated
35	Palthya Rajesh	Completed the Course “Graphic Design”	IIM Bangalore	July 2018-August 2018	Successfully Completed
36	1. Bndaru Jhansi Rani 2. K Vaishnavi	Internship	DRDL	22 nd May to 21 st	Successfully

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			Hyderabad	July 2018	Completed
37	P Tanuja	Machine Learning internship Program	Pantech	22 nd June -4 th July 2018	Successfully Completed

Outside the state:

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WINNERS of SIH-2020: Ashfaq, Vinay Kumar, Manogna, Sharan Kumar, Vamshi Krishna, K Manasa

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Y Nikitha Naidu-First Runner-up in Kalam Book Summery Writing Contest-2019 *ICT Academy CHENNAI*

Smart India Hackathon-Manipal University-2019.



NASA Space App Challenge, Finalist of SIH-Manipal University-2019. 2nd & 3rd March 2019.

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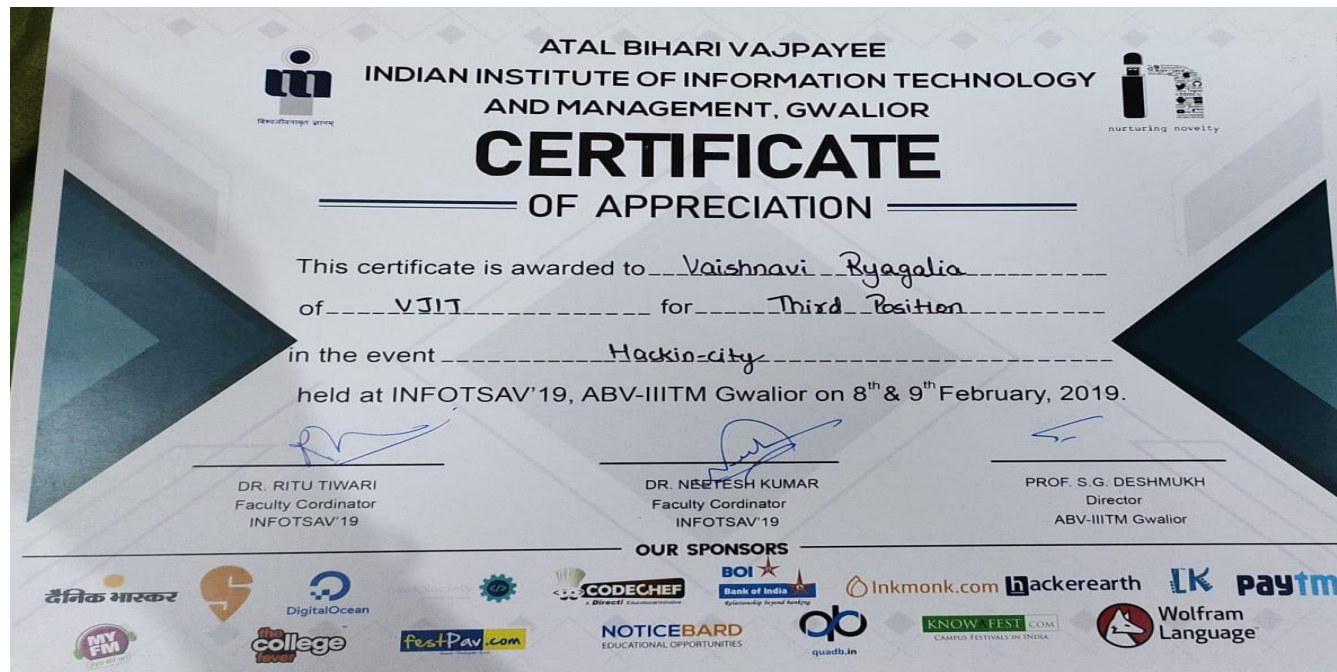
Google 14th -15th September 2019



Bennett University, Greater Noida, Uttar Pradesh, India.

Y Mahender Rohit and G Niharika participated in IEEE 8th International advance Computing conference 14th -15th December 2018

IITM GWALIOR-MADHYA PRADESH





Vaishnavai R, P Saketh Reddy secure third position in Hackin-City Gwalior

HACKATHON-IBM BANGALORE



IBM HACKATHON WINNERS

CRITERION 5	FACULTY INFORMATION AND CONTRIBUTIONS	200
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Table B.5.1

Note: Please provide details for the faculty of the department, cumulative information for all the shifts for all academic years starting from current year in above format in Annexure – II (B.3).

AY: 2020-21

Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which Designated as Professor/ Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research			Date of Leaving (In case Currently Associated is	Nature of Association (Regular/Contract)
	Degree (highest degree)	University	Year of attaining higher qualification							Research Paper Publications	Ph.D. Guidance Faculty	Receiving Ph.D. during the Assessment		
Dr.B.Vijaya Kumar	Ph.D .	GIT AM	2013	Full Time	Professor	20/07 /2013	20/02/ 2013	CS E	Image Processing	1	5	No	Yes	Regular
Dr.M.Ravi Mathey	Ph.D .	AU	2016	Full Time	Professor	15/05 /2017	10/9/2 008	CS E	Image Processing and Security	0	0	No	Yes	Regular

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Dr. D.Aruna Kumari	Ph.D .	KLU	2014	Full Time	Professor	1/8/2014	26/08/2013	CSE	Data Mining	1	3	No	Yes	Regular
Dr.K.V.Ran garao	Ph.D .	JNT UK	2015	Full Time	Professor	23/05/2016	23/05/2016	CSE	Parallel Computing	0	0	No	Yes	Regular
Dr. Mahmood Ali Mirza	Ph.D	Acharya Nagarjuna	2013	Full Time	Professor	23/05/2018	23/05/2018	CSE	Data Mining	0	0	No	Yes	Regular
Dr. Chandra Naik	Ph.D	AU	2015	Full Time	Professor	23/05/2018	23/05/2018	CSE	Data Mining	0	0	No	Yes	Regular
Dr.K.Ramesh Babu	Ph.D	HCU	2018	Full Time	Assoc. Prof.	28/11/2018	5/2/2018	CSE	Network Security	6	0	No	Yes	Regular
Dr. Moulali	Ph.D	Annamalai	2017	Full Time	Assoc. Prof.	28/11/2017	28/11/2017	CSE	Data Mining	0	0	No	Yes	Regular
Dr. Srinivasarao	Ph.D	Acharya Nagarjuna	2020	Full Time	Assoc. Prof.	8/6/2020	8/6/2020	CSE	Software Engineering	0	0	No	Yes	Regular
Dr. Koyi Lakshmi Prasad	Ph.D	Bharath	2018	Full Time	Assoc. Prof.	20/5/2019	20/05/2019	CSE	Cloud Computing and Networking	0	0	No	Yes	Regular
Dr.Bhargavi Peddireddy	Ph.D	Acharya Nagarjuna	2021	Full Time	Asst. Prof	3/3/2021	3/3/2021	CSE	Data Mining	0	0	No	Yes	Regular
Mr. B. Srinivasulu	M.Tech	JNT UH	2004	Full Time	Asst. Prof		1/7/2009	CSE	Cloud Computi	0	No	No	Yes	Regular

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									ng and Networki ng					
Mr. D. Venkateshw arlu	M.T ech	JNT UH	200 6	Full Time	Asst. Prof		3/9/20 14	CS E	Data Mining	0	N o	No	Ye s	Regula r
Mr. R. Yogesh	M.T ech	JNT U	200 6	Full Time	Asst. Prof		23/05/ 2012	CS E	Software Engineeri ng	0	N o	No	Ye s	Regula r
Ms .P.Swetha	M.T ech	JNT UH	200 9	Full Time	Asst. Prof		23/05/ 2012	CS E	Machine Learning	0	N o	No	Ye s	Regula r
Ms .B. Sailaja	M.T ech	JNT UH	201 0	Full Time	Asst. Prof		23/05/ 2012	CS E	Image Processin g	0	N o	No	Ye s	Regula r
Mr. RRS.Ravi Kumar	M.T ech	ANU	201 0	Full Time	Asst. Prof		17/05/ 2012	CS E	Scalable Distribut ed Machine Learning	0	N o	No	Ye s	Regula r
A.Swarna Reddy	M.T ech	JNT UH	201 2	Full Time	Asst. Prof		23/05/ 2012	CS E	Image Processin g	0	N o	No	Ye s	Regula r
Mr. Y.Praveen Kumar	M.T ech	VIG NAN	201 2	Full Time	Asst. Prof		5/12/2 012	CS E	Data Analytics	0	N o	No	Ye s	Regula r
Mr. KSRK Sarma	M.T ech	JNT UH	201 1	Full Time	Asst. Prof		23/05/ 2012	CS E	Image Processin g	0	N o	No	Ye s	Regula r
Mr. K.Srinivas Rao	M.T ech	AU	200 8	Full Time	Asst. Prof		23/05/ 2018	CS E	Software Engineeri ng	0	N o	No	Ye s	Regula r

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Mr. Y.Prabhu Kumar	M.Tech	JNT UK	2010	Full Time	Asst. Prof		23/05/2013	CS E	Data Science	0	No	No	Yes	Regular
Mr. Abdul Majeed	M.Tech	JNT UH	2011	Full Time	Asst. Prof		23/05/2012	CS E	Cyber Security	0	No	No	Yes	Regular
Mr. P.Rajashekar	M.Tech	JNT UH	2011	Full Time	Asst. Prof		23/05/2012	CS E	Big Data	0	No	No	Yes	Regular
Mr. M.Tarakeshwar Rao	M.Tech	JNT UH	2011	Full Time	Asst. Prof		23/05/2012	CS E	Machine Learning	0	No	No	Yes	Regular
Mr. PKV Sharma	M.Tech	JNT UH	2011	Full Time	Asst. Prof		23/05/2012	CS E	Machine Learning	0	No	No	Yes	Regular
Mr. B.Thikkana	M.Tech	JNT UH	2011	Full Time	Asst. Prof		23/05/2012	CS E	Wireless Network	0	No	No	Yes	Regular
Ms.G.Surekha	M.Tech	JNT UK	2011	Full Time	Asst. Prof		11/6/2012	CS E	Image Processing	0	No	No	Yes	Regular
Ms.Ch.Deepika Reddy	M.Tech	JNT UH	2012	Full Time	Asst. Prof		20/05/2013	CS E	Image Processing	0	No	No	Yes	Regular
Ms.M.Vijaya	M.Tech	JNT UH	2012	Full Time	Asst. Prof		23/05/2012	CS E	Machine Learning	0	No	No	Yes	Regular
Ms.S.Divya	M.Tech	JNT UH	2012	Full Time	Asst. Prof		29/05/2013	CS E	Cloud Computing	0	No	No	Yes	Regular
Mr. M.Venkateshwarlu	M.Tech	JNT UH	2013	Full Time	Asst. Prof		18/11/2013	CS E	Image Processing	0	No	No	Yes	Regular
Mr. Md. Zeeshan	M.Tech	JNT UH	2013	Full Time	Asst. Prof		26/05/2014	CS E	Machine Learning	0	No	No	Yes	Regular

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Ms.P.Babitha	M.Tech	JNT UH	2014	Full Time	Asst. Prof		1/12/2014	CS E	Image Processing	0	No	No	Yes	Regular
Mr. B. Vikas	M.Tech	GITAM	2014	Full Time	Asst. Prof		23/05/2014	CS E	NLP	0	No	No	Yes	Regular
Ms.P.Laxmi Priya	M.Tech	JNT UH	2011	Full Time	Asst. Prof		20/07/2012	CS E	Image Processing	0	No	No	Yes	Regular
Ms.G.Kalpana	M.Tech	JNT UH	2010	Full Time	Asst. Prof		20/07/2018	CS E	Image Processing	2	No	No	Yes	Regular
Ms.M.Kavya	M.Tech	OU	2014	Full Time	Asst. Prof		7/5/2018	CS E	Image Processing	0	No	No	Yes	Regular
Ms.T.Maana sa	M.Tech	JNT UH	2008	Full Time	Asst. Prof		16/08/2018	CS E	Machine Learning & Artificial Intelligence	1	No	No	Yes	Regular
Ms.K.Samat ha	M.Tech	JNT UH	2016	Full Time	Asst. Prof		5/5/2018	CS E	Computer Networks	0	No	No	Yes	Regular
Ms.K.Keert hi	M.Tech	JNT UH	2014	Full Time	Asst. Prof		23/05/2019	CS E	Cloud Computing	0	No	No	Yes	Regular
Ms.S Sri Lakshmi	M.Tech	AU	2008	Full Time	Asst. Prof		13/05/2019	CS E	Big Data	0	No	No	Yes	Regular
Ms.P Sandhya	M.Tech	JNT UH	2013	Full Time	Asst. Prof		20/08/2019	CS E	Big Data Analytics	0	No	No	Yes	Regular

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Mr. C.Rama Krishna	M.T ech	JNT UH	201 4	Full Time	Asst. Prof		23/05/ 2015	CS E	Software Engineeri ng	0	N o	No	Ye s	Regula r
Mr. Mohammed Zaheer Ahmed	M.T ech	JNT UH	201 2	Full Time	Asst. Prof		6/8/20 08	CS E	Big Data Analytics	1	N o	No	Ye s	Regula r
Ms.K.Neha	M.T ech	JNT UH	201 6	Full Time	Asst. Prof		23/05/ 2016	CS E	Image Processin g	0	N o	No	Ye s	Regula r

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Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which Designated as Professor/ Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated (Y/N) Date of Leaving (In case Currently Associated is "No")	Nature of Association (Regular/Contract)
	Degree (highest degree)	University	Year of attaining higher qualification							Research Paper Publications	Ph.D. Guidance	Faculty Receiving Ph.D. during the Assessment Year		
Dr.B.Vijaya Kumar	Ph.D	GITAM	2013	Full Time	Professor	20/07/2013	20/02/2013	CSE	Image Processing	6	5	No	Yes	Regular
Dr.M.Ravi Mathey	Ph.D	AU	2016	Full Time	Professor	15/05/2017	10/9/2008	CSE	Image Processing and Security	2	0	No	Yes	Regular
Dr. D.Aruna Kumari	Ph.D	KLU	2014	Full Time	Professor	1/8/2014	26/08/2013	CSE	Data Mining	8	3	No	Yes	Regular
Dr.K.V.Ran garao	Ph.D	JNTUK	2015	Full Time	Professor	23/05/2016	23/05/2016	CSE	Parallel Computing	2	0	No	Yes	Regular
Dr. Mahmood Ali Mirza	Ph.D	Acharya Nag arjuna	2013	Full Time	Professor	23/05/2018	23/05/2018	CSE	Data Mining	0	0	No	Yes	Regular

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Dr. Chandra Naik	Ph.D	AU	2015	Full Time	Professor	23/05/2018	23/05/2018	CSE	Data Mining	0	0	No	Yes	Regular
Dr.K.Ramesh Babu	Ph.D	HCU	2018	Full Time	Assoc. Prof.	28/11/2018	5/2/2018	CSE	Network Security	7	0	No	Yes	Regular
Dr. Moulali	Ph.D	Annamalai	2017	Full Time	Assoc. Prof.	28/11/2017	28/11/2017	CSE	Data Mining	0	0	No	Yes	Regular
Dr. Koyi Lakshmi Prasad	Ph.D	Bharath	2018	Full Time	Assoc. Prof.	20/5/2019	20/05/2019	CSE	Cloud Computing and Networking	0	0	No	Yes	Regular
Mr. B. Srinivasulu	M.Tech	JNTUH	2004	Full Time	Asst. Prof		1/7/2009	CSE	Cloud Computing and Networking	0	No	No	Yes	Regular
Mr. D. Venkateshwarlu	M.Tech	JNTUH	2006	Full Time	Asst. Prof		3/9/2014	CSE	Data Mining	4	No	No	Yes	Regular
Mr. R. Yogesh	M.Tech	JNTU	2006	Full Time	Asst. Prof		23/05/2012	CSE	Software Engineering	1	No	No	Yes	Regular
Ms .P.Swetha	M.Tech	JNTUH	2009	Full Time	Asst. Prof		23/05/2012	CSE	Machine Learning	0	No	No	Yes	Regular
Ms .B. Sailaja	M.Tech	JNTUH	2010	Full Time	Asst. Prof		23/05/2012	CSE	Image Processing	1	No	No	Yes	Regular

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Mr. RRS.Ravi Kumar	M.Tech	ANU	2010	Full Time	Asst. Prof		17/05/2012	CSE	Scalable Distributed Machine Learning	1	No	No	Yes	Regular
A.Swarna Reddy	M.Tech	JNTUH	2012	Full Time	Asst. Prof		23/05/2012	CSE	Image Processing	1	No	No	Yes	Regular
Mr. Y.Praveen Kumar	M.Tech	VIGNAN	2012	Full Time	Asst. Prof		5/12/2012	CSE	Data Analytics	3	No	No	Yes	Regular
Mr. KSRK Sarma	M.Tech	JNTUH	2011	Full Time	Asst. Prof		23/05/2012	CSE	Image Processing	2	No	No	Yes	Regular
Mr. K.Srinivas Rao	M.Tech	AU	2008	Full Time	Asst. Prof		23/05/2018	CSE	Software Engineering	0	No	No	Yes	Regular
Mr. Y.Prabhu Kumar	M.Tech	JNTUK	2010	Full Time	Asst. Prof		23/05/2013	CSE	Data Science	0	No	No	Yes	Regular
Mr. Abdul Majeed	M.Tech	JNTUH	2011	Full Time	Asst. Prof		23/05/2012	CSE	Cyber Security	0	No	No	Yes	Regular
Mr. P.Rajashekar	M.Tech	JNTUH	2011	Full Time	Asst. Prof		23/05/2012	CSE	Big Data	2	No	No	Yes	Regular
Mr. M.Tarakeshwar Rao	M.Tech	JNTUH	2011	Full Time	Asst. Prof		23/05/2012	CSE	Machine Learning	0	No	No	Yes	Regular
Mr. PKV Sharma	M.Tech	JNTUH	2011	Full Time	Asst. Prof		23/05/2012	CSE	Machine Learning	1	No	No	Yes	Regular

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Mr. B.Thikkana	M.Tech	JNT UH	2011	Full Time	Asst. Prof		23/05/2012	CSE	Wireless Network	1	No	No	Yes	Regular
Ms.G.Surekha	M.Tech	JNT UK	2011	Full Time	Asst. Prof		11/6/2012	CSE	Image Processing	1	No	No	Yes	Regular
Ms.Ch.Deepika Reddy	M.Tech	JNT UH	2012	Full Time	Asst. Prof		20/05/2013	CSE	Image Processing	1	No	No	Yes	Regular
Ms.M.Vijaya	M.Tech	JNT UH	2012	Full Time	Asst. Prof		23/05/2012	CSE	Machine Learning	1	No	No	Yes	Regular
Ms.S.Divya	M.Tech	JNT UH	2012	Full Time	Asst. Prof		29/05/2013	CSE	Cloud Computing	1	No	No	Yes	Regular
Mr. M.Venkateshwarlu	M.Tech	JNT UH	2013	Full Time	Asst. Prof		18/11/2013	CSE	Image Processing	1	No	No	Yes	Regular
Mr. Md. Zeeshan	M.Tech	JNT UH	2013	Full Time	Asst. Prof		26/05/2014	CSE	Machine Learning	0	No	No	Yes	Regular
Ms.P.Babitha	M.Tech	JNT UH	2014	Full Time	Asst. Prof		1/12/2014	CSE	Image Processing	0	No	No	Yes	Regular
Mr. B.Vikas	M.Tech	GITAM	2014	Full Time	Asst. Prof		23/05/2014	CSE	NLP	0	No	No	Yes	Regular
Ms.P.Laxmi Priya	M.Tech	JNT UH	2011	Full Time	Asst. Prof		20/07/2012	CSE	Image Processing	1	No	No	Yes	Regular
Ms.G.Kalpna	M.Tech	JNT UH	2010	Full Time	Asst. Prof		20/07/2018	CSE	Image Processing	2	No	No	Yes	Regular

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Ms.M.Kavya	M.Tech	OU	2014	Full Time	Asst. Prof		7/5/2018	CS E	Image Processing	1	No	No	Yes	Regular
Ms.T.Maana	M.Tech	JNT UH	2008	Full Time	Asst. Prof		16/08/2018	CS E	Machine Learning & Artificial Intelligence	1	No	No	Yes	Regular
Ms.K.Samatha	M.Tech	JNT UH	2016	Full Time	Asst. Prof		5/5/2018	CS E	Computer Networks	0	No	No	Yes	Regular
Ms.K.Keerthi	M.Tech	JNT UH	2014	Full Time	Asst. Prof		23/05/2019	CS E	Cloud Computing	0	No	No	Yes	Regular
Ms.S Sri Lakshmi	M.Tech	AU	2008	Full Time	Asst. Prof		13/05/2019	CS E	Big Data	1	No	No	Yes	Regular
Ms.P Sandhya	M.Tech	JNT UH	2013	Full Time	Asst. Prof		20/08/2019	CS E	Big Data Analytics	0	No	No	Yes	Regular
Mr. C.Rama Krishna	M.Tech	JNT UH	2014	Full Time	Asst. Prof		23/05/2015	CS E	Software Engineering	0	No	No	Yes	Regular
Mr. Mohammed Zaheer Ahmed	M.Tech	JNT UH	2012	Full Time	Asst. Prof		6/8/2008	CS E	Big Data Analytics	1	No	No	Yes	Regular

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Ms.K.Neha	M.Tech	JNTUH	2016	Full Time	Asst. Prof		23/05/2016	CSE	Image Processing	0	No	No	Yes	Regular
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AY: 2018-19

Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which Designated as Professor/ Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research				Nature of Association (Regular/Contract)
	Degree (highest degree)	University	Year of attaining higher qualification							Research Paper Published	Ph.D. Guidance Faculty receiving Ph.D. during the Assessment	Currently Associated (Y/N)	Date of Leaving (In case Currently Associated)	
Dr.B.Vijaya Kumar	Ph.D	GITAM	2013	Full Time	Professor	20/07/2013	20/02/2013	CS E	Image Processing	3	5	No	Yes	Regular
Dr.M.Ravi Mathey	Ph.D	AU	2016	Full Time	Professor	15/05/2017	10/9/2008	CS E	Image Processing and Security	0	0	No	Yes	Regular
Dr. D.Aruna Kumari	Ph.D	KLU	2014	Full Time	Professor	1/8/2014	26/08/2013	CS E	Data Mining	2	3	No	Yes	Regular
Dr.K.V.Ran garao	Ph.D	JNT UK	2015	Full Time	Professor	23/05/2016	23/05/2016	CS E	Parallel Computing	3	0	No	Yes	Regular
Dr. Mahmood Ali Mirza	Ph.D	Acharya Nagarjuna	2013	Full Time	Professor	23/05/2018	23/05/2018	CS E	Data Mining	0	0	No	Yes	Regular

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Dr. Chandra Naik	Ph.D	AU	2015	Full Time	Professor	23/05/2018	23/05/2018	CS E	Data Mining	0	0	No	Yes	Regular
Dr.Veeriah	Ph.D	JNT UK	2017	Full Time	Assoc. Prof.	25/05/2017	25/05/2017	CS E	Big Data Analytics	0	0	No	Yes	Regular
Dr.Ali Hussain	Ph.D	Nagarjuna University	2013	Full Time	Assoc. Prof.	21/05/2018	21/05/2018	CS E	Data Mining	0	0	No	Yes	Regular
Dr. Moulali	Ph.D	Annamalai	2017	Full Time	Assoc. Prof.	28/11/2017	28/11/2017	CS E	Data Mining	0	0	No	Yes	Regular
K.Ramesh Babu	M.Tech	HC U	2018	Full Time	Asst. Prof	28/11/2018	5/2/2018	CS E	Network Security	0	0	No	Yes	Regular
Mr. B. Srinivasulu	M.Tech	JNT UH	2004	Full Time	Asst. Prof		1/7/2009	CS E	Cloud Computing and Networking	0	No	No	Yes	Regular
Mr. D. Venkateshwarlu	M.Tech	JNT UH	2006	Full Time	Asst. Prof		3/9/2014	CS E	Data Mining	0	No	No	Yes	Regular
Mr. R. Yogesh	M.Tech	JNT U	2006	Full Time	Asst. Prof		23/05/2012	CS E	Software Engineering	0	No	No	Yes	Regular
Ms .P.Swetha	M.Tech	JNT UH	2009	Full Time	Asst. Prof		23/05/2012	CS E	Machine Learning	0	No	No	Yes	Regular

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Ms .B. Sailaja	M.Tech	JNT UH	2010	Full Time	Asst. Prof.		23/05/2012	CS E	Image Processing	0	No	No	Yes	Regular
Mr. RRS.Ravi Kumar	M.Tech	AN U	2010	Full Time	Asst. Prof.		17/05/2012	CS E	Scalable Distributed Machine Learning	0	No	No	Yes	Regular
A.Swarna Reddy	M.Tech	JNT UH	2012	Full Time	Asst. Prof.		23/05/2012	CS E	Image Processing	0	No	No	Yes	Regular
Mr. Y.Praveen Kumar	M.Tech	VIG N A N	2012	Full Time	Asst. Prof.		5/12/2012	CS E	Data Analytics	0	No	No	Yes	Regular
Mr. KSRK Sarma	M.Tech	JNT UH	2011	Full Time	Asst. Prof.		23/05/2012	CS E	Image Processing	0	No	No	Yes	Regular
Mr. K.Srinivas Rao	M.Tech	AU	2008	Full Time	Asst. Prof.		23/05/2018	CS E	Software Engineering	0	No	No	Yes	Regular
Mr. Y.Prabhu Kumar	M.Tech	JNT UK	2010	Full Time	Asst. Prof.		23/05/2013	CS E	Data Science	0	No	No	Yes	Regular
Mr. Abdul Majeed	M.Tech	JNT UH	2011	Full Time	Asst. Prof.		23/05/2012	CS E	Cyber Security	0	No	No	Yes	Regular
Mr. P.Rajashekar	M.Tech	JNT UH	2011	Full Time	Asst. Prof.		23/05/2012	CS E	Big Data	0	No	No	Yes	Regular

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Mr. M.Tarakeshwar Rao	M.Tech	JNTUH	2011	Full Time	Asst. Prof		23/05/2012	CSE	Machine Learning	0	No	No	Yes	Regular
Mr. PKV Sharma	M.Tech	JNTUH	2011	Full Time	Asst. Prof		23/05/2012	CSE	Machine Learning	0	No	No	Yes	Regular
Mr. B.Thikkana	M.Tech	JNTUH	2011	Full Time	Asst. Prof		23/05/2012	CSE	Wireless Network	3	No	No	Yes	Regular
Ms.G.Surekha	M.Tech	JNTUK	2011	Full Time	Asst. Prof		11/6/2012	CSE	Image Processing	0	No	No	Yes	Regular
Ms.Ch.Deepika Reddy	M.Tech	JNTUH	2012	Full Time	Asst. Prof		20/05/2013	CSE	Image Processing	0	No	No	Yes	Regular
Ms.M. Vijaya	M.Tech	JNTUH	2012	Full Time	Asst. Prof		23/05/2012	CSE	Machine Learning	1	No	No	Yes	Regular
Ms.S.Divya	M.Tech	JNTUH	2012	Full Time	Asst. Prof		29/05/2013	CSE	Cloud Computing	0	No	No	Yes	Regular
Mr. M.Venkateshwarlu	M.Tech	JNTUH	2013	Full Time	Asst. Prof		18/11/2013	CSE	Image Processing	0	No	No	Yes	Regular
Mr. Md. Zeeshan	M.Tech	JNTUH	2013	Full Time	Asst. Prof		26/05/2014	CSE	Machine Learning	0	No	No	Yes	Regular
Ms.P.Babitha	M.Tech	JNTUH	2014	Full Time	Asst. Prof		1/12/2014	CSE	Image Processing	0	No	No	Yes	Regular

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Mr. B.Vikas	M.Tech	GITAM	2014	Full Time	Asst. Prof		23/05/2014	CSE	NLP	0	No	No	Yes	Regular
Ms.P.Laxmi Priya	M.Tech	JNTUH	2011	Full Time	Asst. Prof		20/07/2012	CSE	Image Processing	0	No	No	Yes	Regular
Ms.G.Kalpana	M.Tech	JNTUH	2010	Full Time	Asst. Prof		20/07/2018	CSE	Image Processing	1	No	No	Yes	Regular
Ms.M.Kavya	M.Tech	OU	2014	Full Time	Asst. Prof		7/5/2018	CSE	Image Processing	0	No	No	Yes	Regular
Ms.T.Maanasa	M.Tech	JNTUH	2008	Full Time	Asst. Prof		16/08/2018	CSE	Machine Learning & Artificial Intelligence	0	No	No	Yes	Regular
Ms.K.Samatha	M.Tech	JNTUH	2016	Full Time	Asst. Prof		5/5/2018	CSE	Computer Networks	0	No	No	Yes	Regular
Ms.K.Keerthi	M.Tech	JNTUH	2014	Full Time	Asst. Prof		23/05/2019	CSE	Cloud Computing	1	No	No	Yes	Regular
Mr. C.Rama Krishna	M.Tech	JNTUH	2014	Full Time	Asst. Prof		23/05/2015	CSE	Software Engineering	0	No	No	Yes	Regular

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Mr. Mohammed Zaheer Ahmed	M.Tech	JNT UH	2012	Full Time	Asst. Prof		6/8/2008	CSE	Big Data Analytics	0	No	No	Yes	Regular
Ms.K.Neha	M.Tech	JNT UH	2016	Full Time	Asst. Prof		23/05/2016	CSE	Image Processing	0	No	No	Yes	Regular

5.1. Student-Faculty Ratio (SFR) (20)

(To be calculated at Department Level)

No. of UG Programs in the Department (n): 01

No. of PG Programs in the Department (m):01

No. of Students in UG 2nd Year= u1

No. of Students in UG 3rd Year= u2

No. of Students in UG 4th Year= u3

No. of Students in PG 1st Year= p1

No. of Students in PG 2nd Year= p2

No. of Students = Sanctioned Intake + Actual admitted lateral entry students

(The above data to be provided considering all the UG and PG programs of the department)

S=Number of Students in the Department = UG1+UG2+UG3+PG1+PG2

F = Total Number of Faculty Members in the Department (excluding first year faculty)

Student Faculty Ratio (SFR) = S / F

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Year	CAY (2020-21)	CAYm1 (2019-20)	CAYm2 (2018-19)
u1.1: 2nd Year	259	264	245
u1.2 : 3rd Year	264	245	243
u1.3 : 4th Year	245	243	243
UG1(u1.1+u1.2+u1.3)	768	752	731
p1.1	18	18	18
p1.2	18	18	18
PG1(p1.1+p1.2)	36	36	36
Total No. of Students in the Department (S)	S1: 804	S2: 788	S3:767
No. of Faculty in the Department (F)	F1: 45	F2 : 44	F3 : 43
Student Faculty Ratio (SFR)	17.8	17.9	17.8
Average SFR	17.8		

Table B.5.1

Marks to be given proportionally from a maximum of 20 to a minimum of 10 for average SFR between 15:1 to 25:1, and zero for average SFR higher than 25:1. Marks distribution is given as below:

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< = 15 - 20 Marks

< = 17 - 18 Marks

< = 19 - 16 Marks

< = 21 - 14 Marks

< = 23 - 12 Marks

< = 25 - 10 Marks

> 25.0 - 0 Marks

Note:

Minimum 75% should be Regular/ full time faculty and the remaining shall be Contractual Faculty as per AICTE norms and standards.

The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Student Faculty Ratio.

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:

	Total number of regular faculty in the department	Total number of contractual faculty in the department
CAY (2020-21)	45	0
CAYm1 (2019-20)	44	0
CAYm2 (2018-19)	43	0

Table 5.1.1 : regular and contractual faculty
5.2. Faculty Cadre
Proportion (20)

The reference Faculty cadre proportion is 1(F1):2(F2):6(F3)

F1: Number of Professors required = $1/9 \times$ Number of Faculty required to comply with 20:1 Student Faculty ratio based on no. of students (N) as per 5.1.

F2: Number of Associate Professors required = $2/9 \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per 5.1.

F3: Number of Assistant Professors required = $6/9 \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per 5.1

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Year	Professors		Associate professors		Assistant professors	
	Required f1	Available	Required f2	Available	Required f3	Available
CAY (2020-21)	5	6	10	4	30	35
CAYm1 (2019-20)	4.8	6	9.7	3	29.3	35
CAYm2 (2018-19)	4.7	6	9.5	3	28.6	34
Average	RF1=4.8	AF1=6	RF2=9.7	AF2=3.3	RF3=29.3	AF3=34.6

$$\text{Cadre Ratio Marks} = \left[\left[\frac{\text{AF1}}{\text{RF1}} \right] + \left[\frac{\text{AF2} \times 0.6}{\text{RF2}} \right] + \left[\frac{\text{AF3} \times 0.4}{\text{RF3}} \right] \right] \times 10$$

Table B.5.2

$$\begin{aligned} \text{Cadre Ratio Marks} &= [(6/4.8) + ((3.3/9.7) \times 0.6) + ((34.6/29.3) \times 0.4)] \times 10 \\ &= 1.25 + 0.20 + 0.47 \\ &= 19.2 \end{aligned}$$

If AF1 = AF2= 0 then zero marks

- Maximum marks to be limited if it exceeds 20

Example: Intake = 60 (i.e. total no. of students= 180); Required number of Faculty: 9; RF1= 1, RF2=2 and RF3=6

Case 1: AF1/RF1= 1; AF2/RF2 = 1; AF3/RF3 = 1; Cadre proportion marks = $(1+0.6+0.4) \times 10 = 20$

Case 2: AF1/RF1= 1; AF2/RF2 = 3/2; AF3/RF3 = 5/6; Cadre proportion marks = $(1+0.9+0.3) \times 10 =$ limited to 20

Case 3: AF1/RF1=0; AF2/RF2=1/2; AF3/RF3=8/6; Cadre proportion marks = $(0+0.3+0.53) \times 10 = 8.3$

5.3. Faculty Qualification (20)

$FQ = 2.0 \times [(10X + 4Y)/F]$ where x is no. of regular faculty with Ph.D., Y is no. of regular faculty with M.Tech., F is no. of regular faculty required to comply 20:1 Faculty Student ratio (no. of faculty and no. of students required are to be calculated as per 5.1)

	X	Y	F	$FQ = 2.0 \times [(10X + 4Y)/F]$
CAY	10	35	45	10.6
CAY m1	9	35	44	10.45
CAY m2	9	34	43	10.5
Average Assessment				10.51

5.4. Faculty Retention (10)

No. of regular faculty members in

CAY (2020-2021) =45

CAYm1 (2019-2020)=44

CAYm2 (2018-2019)=43

Item (% of faculty retained during the period of assessment keeping CAYm3 as base year)	Marks
>= 90% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	10
>=75% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	8
>= 60% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	6
>= 50% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	4
< 50% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	0

Faculty Retention (FR)			
Description	CAY (2020-21)	CAYm1 (2019-20)	CAYm2 (2018-19)

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% of faculty retained	95.5	93.1	88.3
Average % of faculty retained	92.3		

5.5 Faculty Competencies in Correlation to Program Specific Criteria (10)

The quest for knowledge is the basic principle of our institution. Hence, we promote student and faculty research. The research and analysis conducted here directly translates to quality teaching and learning in its classrooms, thereby benefiting students, society and the country. The Engineering institute research culture emphasizes quality and innovation. It fosters both collaboration and efficiency. The research culture is defined by an immersive environment that elevates the level of education through collaboration and knowledge sharing.

Faculty members participate actively in academic research to mentor students and gain valuable insights into their respective areas. They are encouraged to pursue research by publishing their papers in various scientific journals.

Apart from ensuring an in-depth knowledge over a topic, scientific and historical research papers also contribute to the world of education. These become the helping hands for future students, acting as an origin for further research. Research papers frequently being published in Peer reviewed journals is an immense prestige achieved by the Engineering institute.

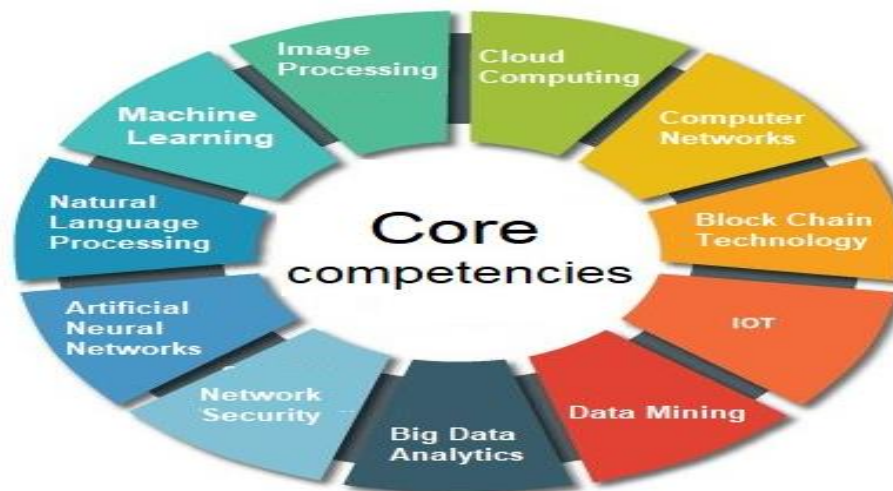


Figure.5.5 Faculty Competencies in CSE Department

Table 5.5.1 Faculty Competencies in correlation with Curriculum Courses

S.No .	Course Code	Course title	Specialization	Faculty
1	A10501	Computer programming	M.Tech/Phd In CSE	P.Swetha Dr. D.Aruna Kumari B.Vikas K.Samatha P Sandhya
2	A30504	Mathematical Foundations of Computer Sciences	M.Tech/Phd In CSE	Dr. D.Aruna Kumari P.Swetha S.Divya

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3	A30502	Data Structures	M.Tech/Phd In CSE	Dr.B.Vijaya Kumar B. Sailaja PKV Sharma V. Prathima
4	A30401	Digital Logic Design	M.Tech/Phd In CSE	Dr.B.Vijaya Kumar B. Sailaja PKV Sharma V. Prathima
5	A40506	Computer Organization	M.Tech/Phd In CSE	A.Swarna Reddy M.Vijaya S.Divya
6	A40507	Data Base Management Systems	M.Tech/Phd In CSE	D. Venkateshwarlu Y.Prabhu Kumar Ch.Deepika Reddy T.Maanasa
7	A40503	Java Programming	M.Tech/Phd In CSE	K.Srinivas Rao G.Surekha M.Tarakeshwar Rao P.Rajashekar
8	A40509	Formal Languages and Automata Theory	M.Tech/Phd In CSE	Dr. D.Aruna Kumari R. Yogesh KSARK Sarma
9	A40508	Design and Analysis of Algorithms	M.Tech/Phd In CSE	Dr.B.Vijaya Kumar B. Sailaja PKV Sharma V. Prathima

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10	A50511	Principles of Programming Languages	M.Tech/Phd In CSE	P.Swetha K.Srinivas Rao G.Surekha M.Tarakeshwar Rao P.Rajashekar B.Vikas K.Samatha P Sandhya
11	A50518	Software Engineering	M.Tech/Phd In CSE	RRS.Ravi Kumar Mohd Zaheer Ahmed P Lakshmi Priya G.Kalpana M. Kavya
12	A50514	Compiler Design	M.Tech/Phd In CSE	Dr. D.Aruna Kumari R. Yogesh KSRRK Sarma
13	A50510	Operating Systems	M.Tech/Phd In CSE	K.Srinivas Rao G.Surekha M.Tarakeshwar Rao P.Rajashekar
14	A50515	Computer Networks	M.Tech/Phd In CSE	M.Tarakeshwar Rao P.Rajashekar
15	A60521	Distributed Systems	M.Tech/Phd In CSE	Dr.B.Vijaya Kumar B. Sailaja PKV Sharma V. Prathima

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16	A60522	Information Security	M.Tech/Phd In CSE	Dr.M.Ravi Mathey B.Thikkana Bhavya
17	A60524	Object Oriented Analysis and Design	M.Tech/Phd In CSE	K.Srinivas Rao G.Surekha M.Tarakeshwar Rao P.Rajashekar
18	A60525	Software Testing Methodologies	M.Tech/Phd In CSE	RRS.Ravi Kumar Mohd Zaheer Ahmed P Lakshmi Priya G.Kalpana M. Kavya
19	A60512	Web Technologies	M.Tech/Phd In CSE	K.Srinivas Rao G.Surekha M.Tarakeshwar Rao P.Rajashekar
20	A60591	Case Tools and Web Technologies Lab	M.Tech/Phd In CSE	K.Srinivas Rao G.Surekha M.Tarakeshwar Rao P.Rajashekar
21	A70511	Linux Programming	M.Tech/Phd In CSE	G.Surekha M.Tarakeshwar Rao P.Rajashekar
22	A70530	Design Patterns	M.Tech/Phd In CSE	Dr.B. Vijaya Kumar B. Sailaja PKV Sharma V. Prathima

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23	A70520	Data Warehousing and Data Mining	M.Tech/Phd In CSE	D. Venkateshwarlu Y.Prabhu Kumar Ch.Deepika Reddy T.Maanasa
24	A70519	Cloud Computing	M.Tech/Phd In CSE	Y Praveen Kumar Abdul Majeed Mohd. Zeeshan K.Keerthi Sri Lakshmi S
25	A70536	Mobile Computing	M.Tech/Phd In CSE	M.Tarakeshwar Rao P.Rajashekar
26	A70529	Computer Graphics	M.Tech/Phd In CSE	Y Praveen Kumar Abdul Majeed Mohd. Zeeshan K.Keerthi Sri Lakshmi S
27	A70532	Image processing and pattern recognition	M.Tech/Phd In CSE	Y Praveen Kumar Abdul Majeed Mohd. Zeeshan K.Keerthi Sri Lakshmi S
28	A70540	Software project management	M.Tech/Phd In CSE	RRS.Ravi Kumar Dr. KL Prasad Mohd Zaheer Ahmed P Lakshmi Priya G.Kalpana M. Kavya

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29	A70534	Machine Learning	M.Tech/Phd In CSE	Y Praveen Kumar Dr. KV Ranga Rao Abdul Majeed Mohd. Zeeshan K.Keerthi Sri Lakshmi S
30	A70539	Soft computing	M.Tech/Phd In CSE	RRS.Ravi Kumar Mohd Zaheer Ahmed P Lakshmi Priya G.Kalpana M. Kavya
31	A70526	Artificial Intelligence	M.Tech/Phd In CSE	Y Praveen Kumar Abdul Majeed Mohd. Zeeshan K.Keerthi Sri Lakshmi S
32	A80551	Web Services	M.Tech/Phd In CSE	M.Tarakeshwar Rao P.Rajashekar B.Vikas
33	A80538	Semantic web and social networks	M.Tech/Phd In CSE	Dr.K.Ramesh Babu B.Thikkana Bhavya
34	A80537	Scripting languages	M.Tech/Phd In CSE	P.Swetha Dr. D.Aruna Kumari B.Vikas K.Samatha P Sandhya

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35	A80543	Data Base Security	M.Tech/Phd In CSE	D. Venkateshwarlu Y.Prabhu Kumar Ch.Deepika Reddy T.Maanasa
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Table 5.5.2 Faculty Competencies based on publications

Sl. No.	Name of the Faculty	Competencies(Area)	Number of Publications
1	1. Dr. B. Vijaya Kumar, 2. Dr. D. Aruna Kumari, 3. Dr. Ravi Mathey, 4. Dr. Moulali 5. B.Srinivasulu 6. RRS Ravi Kumar, 7. G.Kalpana, 8. Md. Zaheer, 9. M.Kavya, 10. K. Neha, 11. P. Rajashekar,	Machine Learning Deep Learning	16
2	1. Dr. B. Vijaya Kumar 2. Dr. KV Ranga Rao 3. Dr. Chandra Naik 4. B.Srinivasulu	Image Processing	6
3	1. Dr. B. Vijaya Kumar 2. Dr. Ravi Mathey 3. Dr. KL Prasad 4. Dr. K. Ramesh Babu 5. B.Srinivasulu	Cloud Computing Fog Computing	14

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	6. D.Venkateshwarlu 7. P. Rajashekar 8. B. Thikkanna 9. Keerthi		
4	1. Dr. B. Vijaya Kumar 2. Dr. KV Ranga Rao 3. Dr. K. Ramesh Babu 4. B.Srinivasulu 5. M. Vijaya 6. R. Yogesh 7. T. Maanasa 8. K. Neha 9. B. Thikkanna	Internet of Things	14
5	1. Dr. K V Ranga Rao 2. Dr. K. Ramesh Babu 3. B.Srinivasulu 4. KSRK Sarma 5. M. Venkateshwarlu 6. G. Kalpana	Computer Networks Mobile Networks Web Technologies Block Chain Technology Python	7
6	1. Dr. D. Aruna Kumari 2. Dr. K Ramesh Babu 3. Dr. KL Prasad 4. B.Srinivasulu 5. D. Venkateshwarlu 6. KSRK Sarma 7. Zaheer Ahmed 8. G. Surekha 9. P. Lakshmi Priya 10. K. Neha 11. T. Maanasa	Data Mining Big Data Data Analytics	17

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7	1. Dr. K V Ranga Rao 2. D. Venkateshwarlu 3. B.Srinivasulu 4. M.Vijaya	Information Security Network Security	3
8	1. Dr. D Aruna Kumari 2. Y. Praveen 3. Dr. Srinivasa Rao 4. B.Srinivasulu 5. Ch. Deepika 6. S. Divya	Artificial Neural Networks Natural Language Processing	5
9	1. Y. Praveen Kumar	Outcome Based Education	1

Course Developed

S.No	Faculty Name	Course	Link
1	M.Tarakeshwar Rao	JAVA	https://www.youtube.com/watch?v=xwnyfDQvIrw
2	Dr.B.Vijayakumar	Python	https://canvas.instructure.com
3	S.Divya	Data Base Management Systems	https://classroom.google.com/w/Njk1MTEyMjUzNzda/t/all

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4	S.Divya	Operating Systems	https://canvas.instructure.com/courses/2402645/files
5	Dr.D.Aruna Kumari	Software Engineering	https://canvas.instructure.com
6	D.venkateswarlu	IoT	https://canvas.instructure.com

Table 5.5.3 Faculty Competencies in correlation to patents

SI. No	Name of the Faculty	Title	Patent No.	Date
1	Mr. Y. Praveen Kumar, Sai Yuva Teja, Chaitanya, Dheeraj Reddy, Nishit Reddy	MONSTOGRain	202041049928	29/01/2021

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2	P. Sandhya	An AI Based Framework For Realizing A Human Emotion Recognition System	202141025545	04/06/2021
3	P.Swetha, Ch.Deepika	Method for Semantic Segmentation of Digital Image in Electronic Device Interface Using Machine Learning	202014048753	8/11/2020
4	Dr. K. Ramesh Babu	NIBT- Fire Detection: Fire Detection And Notification Using IoT Based Technology	2020102097	23/09/2020
5	Dr. D.Aruna Kumari	Automatic Method and technologies for bio medical waste management using IOT based system	2020102655	8/10/2020
6	KSRK Sarma	DACH- Health Notification: IoT-based Health Notification and Doctor Availability Checking in Hospital Using Machine Learning, Deep Learning Programming	202010614	5/10/2020
7	KSRK Sarma, B.Vikas	System And Method To Improve The Performance Index In Transport Process	201941047511	29/11/2019

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		By Using Artificial Neural Networks		
8	KSRK Sarma	A Device For Detecting Synthetic Food Ingredients	201841036063	5/10/2018
9	Mr.K.Srinivasa Rao	Vital Monitoring Device for Kids	201941002083	17/01/2019

Table 5.5.4 Faculty Competencies in correlation to Collaborative activities for research/Faculty Exchange/Student exchange

S.No.	Nature of activity	Name of the Faculty	Competencies
1	Session Chair for International Conference on Computing and Data Engineering (ICCDE-2020)	Dr. B. VijayaKumar	Natural Language Processing
2	Resource Person in AICTE sponsored FDP-JB Institute of Engineering and Technology	Dr. D. Aruna Kumari	Deep Learning
3	Session chair for National Conference For Women On Innovations In Science, Engineering And Technology (NCWISSET-2020)	Dr. D. Aruna Kumari	Machine Learning
4	Conference – DST Session Chair	Dr. D. Aruna Kumari	Cloud Computing

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5	Session Chair for International Conference on Computing and Data Engineering (ICCDE-2020)	Dr. D. Aruna Kumari	Artificial Neural Networks
6	Session Co- Chair for International Conference of Transformations In Engineering education (ICTIEE)	Dr. B VijayaKumar	Machine Learning
7	Session Co- Chair for International Conference of Transformations In Engineering education (ICTIEE)	Dr. D. Aruna Kumari	Machine Learning
8	Paper Reviewer for International Conference of Transformations In Engineering education (ICTIEE)	Dr. D. Aruna Kumari	Machine Learning, Deep Learning
9	Ph.D Panel Member - Sathyabama University	Dr. D. Aruna Kumari	Machine Learning
10	Project External for LORDS, JBIET,CMRIT	Dr. B. Vijay Kumar	Image Processing
11	Expert member for question paper setting In JBIET, CMRIT	Dr. B. VijayaKumar	Image Processing
12	Board of Studies Member (BOS)-JB Institute of Engineering and Technology	Dr. B. VijayaKumar	Block Chain Technology
13	Project external for KG Reddy College	Dr. K. V. Ranga Rao	IoT
14	Board of Studies Member (BOS)-CMR Institute of Technology (CMRIT)	Dr. B. VijayaKumar	Cloud Computing
15	Expert member for question paper setting for JB Institute of Engineering and Technology	Dr. K. V. Ranga Rao	Network Security

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16	Expert member for question paper setting- Gokaraju Rangaraju Institute of Engineering and Technology	G. Kalpana	Machine Learning
17	Journal Reviewer for Academia letters	RRS. Ravi Kumar	Machine Learning
18	Journal Reviewer for Intelligent Automation & Soft Computing	RRS.Ravi Kumar	Deep Learning
19	Key note address for Telangana Tribal Welfare Residential Educational Institutions Society (TTWREIS)	K.Srinivasa Rao	Technologies
20	SPOC for Google Applied CS with Android Program	Mr. B. Vikas	Programming Languages
21	SPOC for Oracle Academy, TASK placements	Mr. Y. Praveen	Application Programming
22	SPOC for ASPIRING MINDS	Mr. Y.Praveen Kumar	Application Programming
23	SPOC for JNTU Excite	Mr. Y.Praveen Kumar	Application Programming

Table 5.5.5 Faculty Competencies in correlation to Certification courses -2020-21

S.No.	Name of The Teacher	Nptel/Coursera/Cisco/ Iit Bombay/Rank Sheet Any Other Courses (If It Is Nptel Mention Elite/Gold/Silver)	Course Name
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NBA SAR

1	R R S Ravi Kumar	Udemy	Recommender Systems And Deep Learning In Python
2	Munga Kavya	Coursera	Cloud Computing Basics
3	Munga Kavya	Coursera	Database Management Essentials
4	Munga Kavya	Coursera	Covid-19 Tracing Through Computer
5	Munga Kavya	Coursera	Introduction To Html5
6	K.Bhavya	Udemy	Python For Data Science And Machine Learning Boot Camp,
7	K.Bhavya	Udemy	Complete Python Bootcamp From Zero To Hero
8	K.Bhavya	Simplilearn	Introduction To Ai
9	B.Sailaja	Coursera	Python Basics
10	B.Sailaja	Coursera	Python Ds
11	Ch.Deepika	Oracle Academy	Database Programing With Pl/Sql
12	G.Kalpana	Ibm_Cognitive Class Certifications	Data Analysis
13	G.Kalpana	Ibm_Cognitive Class Certifications	Introduction To Data Science
14	G.Kalpana	Ibm_Cognitive Class Certifications	Machine Learning With Python
15	G.Kalpana	Ibm_Cognitive Class Certifications	Python For Data Science
16	S.Divya	Cisco	Introduction To Cybersecurity
17	V.Prathima	Coursera,Cisco	Introduction To Cybersecurity
18	V.Prathima	Coursera	Introduction To Html 5
19	V.Prathima	Coursera	Interactivity With Javascript,
20	Abdul Mazeed	Coursera	Marketing In Digital World
21	P Rajashekar	Cisco	Introduction To Cybersecurity
22	V. Srilakshmi	Coursera	Introduction To Html5
23	V. Srilakshmi	Coursera	Interactive With Java Script
24	V. Srilakshmi	Cisco	Introduction To Cyber Security

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25	Y Prabhukumar	Cisco	Iot Fundamentals Bigdata And Analytics
26	B Vikas	Coursera	Learn To Teach Java: Arraylists And 2d Arrays
27	B Vikas	Coursera	Learn To Teach Java: Writing Classes And Arrays
28	B Vikas	Coursera	System Administration And It Infrastructure Services
29	B Vikas	Coursera	Technical Support Fundamentals
30	B Vikas	Coursera	It Security: Defense Against The Digital Dark Arts
31	B Vikas	Coursera	Learn To Teach Java: Inheritance And Recursion
32	B Vikas	Coursera	The Bits And Bytes Of Computer Networking
33	B Vikas	Coursera	Learn To Teach Java: Sequences, Primitive Types And Using Objects
34	B Vikas	Coursera	Operating Systems And You: Becoming A Power User
35	Md.Zaheer Ahmed	Cisco	Introduction To Packet Tracer
36	Akarapu Swarna	Cisco	Introduction To Packet Tracer

2019-20

S.No .	Name Of The Teacher	Nptel/Coursera/Cisco/ Iit Bombay/Rank Sheet Any Other Courses	Course Name
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		(If It Is Nptel Mention Elite/Gold/Silver)	
1	M.Kavya	Coursera	Programming For Everybody (Getting Started With Python)
2	M.Kavya	Coursera	Cyber Security And Internet Of Things Course
3	M.Kavya	Coursera	Image Denoising Using Auto Encoders In Keras And Python”
4	M.Kavya	Coursera	Programming With Cloud Iot Platform
5	M.Kavya	Coursera	Database Management Essentials
6	M.Kavya	Coursera	Introduction To Html5
7	M.Kavya	Cisco	Advanced C Course
8	M.Kavya	Cisco	Enterpreneurship Course
9	Keerthi.K	Cisco	Introduction To Iot
10	Keerthi.K	Cisco	Introduction To Packet Tracer
11	Keerthi.K	Cisco	Programming Essentials In Python
12	Keerthi.K	Cisco	Entrepreneurship
13	Keerthi.K	Coursera	Ai For Everyone
14	Keerthi.K	Coursera	Aws Fundamentals : Going Cloud-Native Ai
15	Keerthi.K	Coursera	Capstone: Retrieving, Processing And Visualizing Data With Python
16	Keerthi.K	Coursera	Create Informative Presentations With Google Slides
17	Keerthi.K	Coursera	Create Online Employee Onboarding Course With Eduflow
18	Keerthi.K	Coursera	Data Visualization With Plotly Express
19	Keerthi.K	Coursera	How Google Does Machine Learning
20	Keerthi.K	Coursera	Image Denoising Using Autoencoders In Keras And Python

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21	Keerthi.K	Coursera	Machine Learning Foundations --- Mathematical Foundations
22	Keerthi.K	Coursera	Programming Foundations With Javascript, Html And Css
23	P.Swetha	Course Era	Create Informative Presentations With Google Slides
24	P.Swetha	Course Era	Introduction To Project Management
25	P.Swetha	Course Era	Create Online Employee Onboarding Course With Eduflow
26	P.Swetha	Course Era	Spreadsheets For Beginners Using Google Sheets
27	P.Swetha	Course Era	Positive Psychology
28	P.Swetha	Course Era	Image Denoising Using Autoencoders In Keras And Python
29	P.Swetha	Course Era	Introduction To Python
30	P.Swetha	Course Era	Basic Image Classification With Tensorflow
31	P.Swetha	Course Era	Building A Text-Based Bank In Java
32	P.Swetha	Cisco	Cla: Programming Essentials In C
33	P.Swetha	Cisco	Introduction To IoT
34	P.Swetha	Cisco	Introduction To Cybersecurity
35	P.Swetha	Spoken Tutorial	Certificate For Completion of C Training
36	P.Swetha	IIT Bombay	Advances In " Python(Django And Flask), Python For Data Science And Cyber Security”
37	P.Swetha	IIT Bombay	ICT Tools

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38	B.Sailaja	Coursera	Python Basics
39	B.Sailaja	Coursera	Python Data Structures
40	B.Sailaja	Coursera	Programming For Everybody (Getting Started With Python)
41	B.Sailaja	Cisco	Pcap: Programming Essentials In Python
42	B.Thikkanna	Cisco	Programming Essentials In Python
43	V.Srilakshmi	Cisco	IoT
44	V.Srilakshmi	Cisco	Python Programming Essentials
45	V.Srilakshmi	Coursera	Data Science Tool Box
46	V.Srilakshmi	Coursera	HTML5
47	V.Srilakshmi	Coursera	AI For Everyone
48	Y.Prabhu Kumar	Cisco	Introduction To Cyber Security
49	Y.Prabhu Kumar	Udemy	Python For Data Science And Machine Learning Bootcamp
50	Y.Prabhu Kumar	Coursera	Introduction To HTML
51	Y.Prabhu Kumar	Coursera	Image Denoising Using Auto encoders In Keras And Python
52	Y.Prabhu Kumar	Coursera	Spreadsheets For Beginners Using Google Sheets
53	Y.Prabhu Kumar	Coursera	Foundations For Big Data Analysis With Sql
54	Y.Prabhu Kumar	Coursera	Create Online Employee Onboarding Course With Eduflow
55	Y.Prabhu Kumar	Cognitive Classes	Python 101 For Data Science
56	K.Bhavya	Cisco	PCAP: Programming Essentials In Python
57	K.Bhavya	Coursera	Google Cloud Platform Big Data And

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			Machine Learning Fundamentals
58	K.Bhavya	Coursera	Programming For Everybody (Getting Started With Python)
59	K.Bhavya	Coursera	Image Understanding With Tensorflow On Gcp
60	K.Bhavya	Coursera	Python Data Structures
61	K.Bhavya	Simplilearn	Introduction To Artificial Intelligence
62	Rajashekar Parupati	Coursera	Python Data Analysis
63	Rajashekar Parupati	Cisco Net Academy	PCAP - Programming-Certificate
64	Rajashekar Parupati	Coursera	Image Denoising Using Autoencoders In Keras And Python
65	Rajashekar Parupati	Coursera	Spreadsheets For Beginners Using Google Sheets
66	Rajashekar Parupati	Nptel	Programming In C++
67	Pooja Shukla	Skilltohire	Digital Image Processing Using Matlab
68	M Venkateswarlu	Coursera	Essential Google Cloud Infrastructure Foundation
69	Manavapati Venkateswarlu	Coursera	Transformation In Engineering Education
70	Manavapati Venkateswarlu		Advanced Artificial Intelligence And Data Engineering
71	R.R.S.Ravi Kumar	Coursera	Essential Google Cloud Infrastructure: Foundation
72	R.R.S.Ravi Kumar	Udemy	Building Recommender Systems With Machine Learning And Ai,
73	R.R.S.Ravi Kumar	Udemy	The Complete Android Oreo Developer Course - Build 23 Apps!
74	G.Kalpana	Coursera	Introduction To Datascience In Python

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75	G.Kalpana	Coursera	Machine Learning Algorithms Supervised Learning Tip To Tail
76	G.Kalpana	Coursera	Python Data Analysis
77	Surekha Guddati	Coursera	Python Data Analysis
78	Surekha Guddati	Coursera	C For Everyone: Programming Fundamentals
79	Surekha Guddati	Coursera	Introduction To Relational Database And Sql
80	Surekha Guddati	Cisco	Clp: Advanced Programming In C
81	Surekha Guddati	Cisco	Cybersecurity Essentials
82	Surekha Guddati	Cisco	Introduction To Iot
83	Surekha Guddati	Cisco	Entrepreneurship
84	S Divya	Cisco	Pcap-Programming Essentials In Python
85	S Divya	Coursera	Introduction To Data Science In Python,
86	S Divya	Coursera	Introduction To Html5
87	V Prathima	Cisco	Programming Essentials In Python Cisco
88	V Prathima	Coursera	Introduction To Html5
89	V Prathima	Coursera	Introduction To Javascript
90	V Prathima	Coursera	Introduction To Data Scientist's Toolbox
91	P Lakshmi Priya	Cisco	Programming Essentials In Python
92	P Lakshmi Priya	Cisco	Introduction To Cybersecurity
93	P Lakshmi Priya	Coursera	Ai For Everyone
94	P Lakshmi Priya	Coursera	Database Management Essentials
95	P Lakshmi Priya	Coursera	Introduction To Html5
96	P Lakshmi Priya	Udemy	Blockchain And Bitcoin Fundamentals
97	G.Kalpana	Coursera	Introduction To Html5
98	G.Kalpana	Coursera	Introduction To Data Science In Python
99	G.Kalpana	Coursera	Machine Learning Algorithms:

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			Supervised Learning Tip To Tail
100	G.Kalpana	Coursera	Python Data Analysis
101	G.Kalpana	Coursera	Ai For Every One
102	G.Kalpana	Coursera	Applied Plotting ,Charting & Data Representation In Python
103	G.Kalpana	Nptel	Python For Data Science
104	G.Kalpana	Cisco	Programming Essentials In Python+C81
105	G.Kalpana	IBM	Machine Learning With Python
106	Md.Zaheer Ahmed	Cisco	Entrepreneurship
107	Md.Zaheer Ahmed	Cisco	Introduction To IoT
108	Md.Zaheer Ahmed	Cisco	CLP: Advanced Programming In C
109	Md.Zaheer Ahmed	Coursera	Python Data Analysis
110	Md.Zaheer Ahmed	Coursera	Programming Fundamentals
111	D Venkateshwarlu	Coursera	Introduction To Project Management
112	D Venkateshwarlu	Coursera	Create Informative Presentations With Google Slides
113	D Venkateshwarlu	Coursera	Positive Psychology
114	D Venkateshwarlu	Coursera	Spread Sheets For Beginners Using Google Sheets
115	D Venkateshwarlu	Coursera	Custom Prediction Routine On Google Ai Platform
116	D Venkateshwarlu	Coursera	Introduction To Relational Database And SQL
117	D	Coursera	Image Denoising Using Autoencoders In

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	Venkateshwarlu		Keras
118	D Venkateshwarlu	Coursera	Object-Oriented Programming With Java
119	D Venkateshwarlu	Coursera	Introduction To Google Docs
120	D Venkateshwarlu	Coursera	Linear Regression With Numpy And Python
121	P Sandya	Coursera	Build A Full Website Using Wordpress
122	P Sandya	Coursera	Introduction To Web Development
123	P Sandya	Coursera	Introduction To Html
124	Ksrk Sarma	Coursera	Google Cloud Platform Fundamentals,
125	Ksrk Sarma	Coursera	Cla - Programming Essentials In C
126	Ksrk Sarma	Coursera	Image Denoising Using Autoencoders In Keras And Python
127	Ksrk Sarma	Coursera	Create Online Employee Onboarding Course With Eduflow
128	Ksrk Sarma	Cisco	Python Essentials 2020
129	Ksrk Sarma	Coursera	Intro To Project Management
130	Ksrk Sarma	Coursera	Building A Text-Based Bank In Java
131	Ksrk Sarma	Coursera	Introduction To Python
132	Ksrk Sarma	Coursera	Basic Image Classification With Tensorflow
133	Pkv Subbaraya Sarma	Coursera	Image Denoising Using Autoencoders In Keras And Python
134	Pkv Subbaraya Sarma	Coursera	Spreadsheets For Beginners Using Google Sheets
135	Pkv Subbaraya Sarma	Coursera	Sql For Data Science,University Of California,Davis
136	M.Tarakeshwar Rao	Cisco	Programming Essentials In Python

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137	Dr. D Aruna Kumari	Cisco	Python Programming
138	Dr. D Aruna Kumari	Cisco	Programming Essentials In C
139	Dr. D Aruna Kumari	Cisco	C
140	Dr. D Aruna Kumari	Coursera	Introduction To Python
141	Dr. D Aruna Kumari	Cisco	Programming Essentials In C++
142	Sameerunnisa Shaik	Cisco	PCAP: Programming Essentials In Python
143	Sameerunnisa Shaik	Cisco	CLA: Programming Essentials In C
144	Sameerunnisa Shaik	Cisco	Introduction To Cybersecurity
145	Sameerunnisa Shaik	Coursera	Introduction To Machine Learning
146	Md Zeeshan	Coursera	Python Programming Essentials
147	Md Zeeshan	Coursera	Html5
148	Maanasa Thogaru	Udemy	Data Science A-Z In Udemy
149	Maanasa Thogaru	Courseera	Machine Learning : Classification
150	Maanasa Thogaru	Cisco	Programming Essentials In Python
151	Vikas Bandaru	Coursera	Google Cloud Fundamentals: Core Infrastructure,
152	Vikas Bandaru	Coursera	Preparing For Google Cloud Associate Cloud Engineer Exam
153	Vikas Bandaru	Coursera	Reliable Google Cloud Infrastructure:

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			Design And Process
154	Vikas Bandaru	Coursera	Essential Google Cloud Infrastructure: Scaling And Automation
155	Vikas Bandaru	Coursera	Essential Google Cloud Infrastructure: Core Services
156	Vikas Bandaru	Coursera	Essential Google Cloud Infrastructure: Foundation
157	Yogesh Raghavwar	Coursera	Data Visualization With Poorly Express
158	Yogesh Raghavwar	Coursera	Aws Fundamentals: Addressing Security Issues
159	Yogesh Raghavwar	Coursera	Building A Deep Learning Based Image Classifier With R
160	Yogesh Raghavwar	Coursera	Aws Fundamental:Going Cloud Native
161	Yogesh Raghavwar	Coursera	Computer Vision:Object Tracking With Open Cv And Python
162	Yogesh Raghavwar	Coursera	Cluttering Geolocation Data Intelligently In Python
163	Yogesh Raghavwar	Coursera	Create Online Employee Onboarding Course With Eduflow
164	Yogesh Raghavwar	Coursera	Data Visualization With Plotly Express
165	Yogesh Raghavwar	Coursera	Introduction To Html5
166	Yogesh Raghavwar	Cisco	Pcap: Programming Essentials In Python
167	Abdul Majeed	Coursera	Introduction To Html5
168	Abdul Majeed	Coursera	Create Online Employee Onboarding Course With Eduflow
169	Abdul Majeed	Coursera	Marketting In Digital World

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170	Abdul Majeed	Coursera	Image Super Resolution Using Autoencoders In Keras
171	M.Vijaya	Cisco	Programming Essentials In Python
172	M.Vijaya	Coursera	Introduction To Html5
173	M.Vijaya	Coursera	Introduction To Data Science In Python
174	M.Vijaya	Coursera	Machine Learning Algorithms
175	A Swarna	Cisco	Iot Fundamentals : Connectiong Things
176	A Swarna	Cisco	Introduction To Iot
177	A Swarna	Cisco	Introduction To Cyber Security
178	A Swarna	Coursera	Image Denoising Using Auto Encoders In Keras And Phython”
179	A Swarna	Coursera	Python Data Analysis
180	A Swarna	Coursera	Neural Networks And Deep Learning
181	A Swarna	Coursera	Image Classification With CNNs Using Keras
182	A Swarna	Coursera	Facial Expression Recognition With Keras
183	K Srinivasa Rao	Coursera	The Data Scientist’s Tool Box
184	K Srinivasa Rao	Coursera	Introduction To HTML 5
185	M Praveen	Coursera	Introduction To HTML5
186	M Praveen	Coursera	Programming For Everybody (Getting Started With Python)
187	M Praveen	Coursera	Object-Oriented Programming With Java
188	M Praveen	Coursera	Introduction To Web Development
189	M Praveen	Cisco	PCAP - Programming Essentials In Python
190	Kollapalli Ramesh Babu	Coursera	Python Programming Essentials
191	Kollapalli Ramesh Babu	Coursera	Neural Networks And Deep Learning

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192	Kollapalli Ramesh Babu	Cisco	Introduction To Iot
193	Kollapalli Ramesh Babu	Coursera	Programming Essentials In Python
194	Kollapalli Ramesh Babu	Coursera	Introduction To Cyber Security
195	Dr B Vijaya Kumar	Coursera	Python Data Analysis
196	Y.Praveen Kumar	Cisco	Entrepreneurship
197	Y.Praveen Kumar	Cisco	Introduction To IOT
198	Y.Praveen Kumar	Cisco	CLP: Advanced Programming In C
199	Y.Praveen Kumar	Coursera	Python Data Analysis
200	Y.Praveen Kumar	Coursera	Programming Fundamentals
201	Y.Praveen Kumar	Coursera	Data Science For Real Life
202	Y.Praveen Kumar	Coursera	Image Denoising Using Auto Encoders In Keras And Python"
203	Y.Praveen Kumar	Coursera	Introduction To Search Engine Optimization
204	Y.Praveen Kumar	Udemy	Python For Beginners :Learn Python Basics By Python Projects
205	Y.Praveen Kumar	Coursera	Sql For Data Science,University Of California,Davis

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S.No	Name Of The Teacher	Nptel/Coursera/Cisco/Iit Bombay/Rank Sheet Any Other Courses (If It Is Nptel Mention Elite/Gold/Silver)	Course Name
1	A Swarna	Cognitive Class Ai	Machine Learning With Python
2	A Swarna	Cognitive Class Ai	Python 101 For Data Science
3	B.Sailaja	Cognitive Class Ai	Machine Learning With Python
4	B.Sailaja	Cognitive Class Ai	Python 101 For Data Science
5	B.Sailaja	Cisco	Introduction To Iot
6	B.Sailaja	Cisco	Pcap: Programming Essentials In Python
7	Y.Prabhu Kumar	Cisco	Introduction To Iot
8	M Vijaya	Cisco	The Ndg Linux Essentials Course
9	P Lakshmi Priya	Cisco	Introduction To Iot
10	A Swarna	Cisco	Iot Fundamentals :Big Data Analytics
11	M Praveen	Cisco	Cla - Programming Essentials In C
12	A Swarna	Cisco	Ipdc Certificate
13	G Surekha	Cisco	Ndg Linux Essentials Course
14	Md Zaheer	Cisco	Programming Essentials In Python
15	Abdul Majeed	Cisco	Introduction To Cybersecurity Course
16	P Swetha	Cisco	Introduction To Cybersecurity Course
17	B.Thikkanna	Nptel	Compiler Design
18	Yogesh Raghavwar	Nptel(Silver)	Introduction To Iot
19	Rajashekar Parupati	Nptel(Silver)	Programming In Java
20	S Divya	Nptel(Silver)	Introduction To Iot

NBA SAR

21	M Vijaya	Nptel(Silver)	Introduction To Iot
22	G.Kalpana	Nptel	Machine Learning
23	P Aruna	Nptel(Gold)	Introduction To Iot
24	P Lakshmi Priya	Nptel (Silver)	Programming In Java
25	G Surekha	Nptel	Introduction To Internet Of Things
26	Rrs Ravi Kumar	Nptel	Introduction To Machine Learning
27	G.Kalpana	IIT Bombay(Spoken Tutorials)	Moodle Learning Management System
28	Swetha P	IIT Bombay(Spoken Tutorials)	C Training
29	S Bhavani	IIT Bombay(Spoken Tutorials)	C Training
30	Mallikharjun Velisoju	IIT Bombay(Spoken Tutorials)	C Training
31	Abdul Majeed	IIT Bombay(Spoken Tutorials)	C Training
32	Vikas Bandaru	IIT Bombay(Spoken Tutorials)	C Training
33	Ksrk Sarma	IIT Bombay(Spoken Tutorials)	C Training
34	M Vijaya	IIT Bombay(Spoken Tutorials)	C Training
35	Thikkanna B	IIT Bombay(Spoken Tutorials)	C Training
36	Rajashekar Parupati	IIT Bombay(Spoken Tutorials)	C Training
37	M Venkateswarlu	IIT Bombay(Spoken Tutorials)	C Training
38	P K V Subbaraya Sarma	IIT Bombay(Spoken Tutorials)	C Training
39	T Aruna	IIT Bombay(Spoken Tutorials)	C Training
40	Ch Deepika	IIT Bombay(Spoken Tutorials)	C Training
41	Sameerunnisa Shaik	IIT Bombay(Spoken Tutorials)	C Training
42	Maanasa T	IIT Bombay(Spoken Tutorials)	C Training
43	Lakshmi Priya	IIT Bombay(Spoken Tutorials)	C Training
44	Praveen Kumar	IIT Bombay(Spoken Tutorials)	C Training
45	Y.Prabhu Kumar	IIT Bombay(Spoken Tutorials)	C Training
46	Zaheer Ahmed	IIT Bombay(Spoken Tutorials)	C Training

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	Mohammed		
47	Tarakeshwar Rao Mandarapu	IIT Bombay(Spoken Tutorials)	C Training
48	Kollapalli Ramesh Babu	IIT Bombay(Spoken Tutorials)	C Training
49	Surekha G	IIT Bombay(Spoken Tutorials)	C Training
50	R R S Ravi Kumar	IIT Bombay(Spoken Tutorials)	C Training
51	Divya Sarukonda	IIT Bombay(Spoken Tutorials)	C Training
52	R Yogesh	IIT Bombay(Spoken Tutorials)	C Training
53	Potu Narayana	IIT Bombay(Spoken Tutorials)	C Training
54	D Aruna Kumari	IIT Bombay(Spoken Tutorials)	C Training
55	A Swarna	IIT Bombay(Spoken Tutorials)	C Training
56	G Kalpana	IIT Bombay(Spoken Tutorials)	C Training
57	Ch Ramakrishna	IIT Bombay(Spoken Tutorials)	C Training
58	Swetha P	IIT Bombay(Spoken Tutorials)	Cpp Training
59	S Bhavani	IIT Bombay(Spoken Tutorials)	Cpp Training
60	Mallikharjun Velisoju	IIT Bombay(Spoken Tutorials)	Cpp Training
61	Abdul Majeed	IIT Bombay(Spoken Tutorials)	Cpp Training
62	Vikas Bandaru	IIT Bombay(Spoken Tutorials)	Cpp Training
63	Ksrk Sarma	IIT Bombay(Spoken Tutorials)	Cpp Training
64	M Vijaya	IIT Bombay(Spoken Tutorials)	Cpp Training
65	Thikkanna B	IIT Bombay(Spoken Tutorials)	Cpp Training
66	Rajashekar Parupati	IIT Bombay(Spoken Tutorials)	Cpp Training
67	M Venkateswarlu	IIT Bombay(Spoken Tutorials)	Cpp Training
68	P K V Subbaraya Sarma	IIT Bombay(Spoken Tutorials)	Cpp Training
69	T Aruna	IIT Bombay(Spoken Tutorials)	Cpp Training
70	Ch Deepika	IIT Bombay(Spoken Tutorials)	Cpp Training

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71	Sameerunnisa Shaik	IIT Bombay(Spoken Tutorials)	Cpp Training
72	Maanasa T	IIT Bombay(Spoken Tutorials)	Cpp Training
73	Lakshmi Priya	IIT Bombay(Spoken Tutorials)	Cpp Training
74	Praveen Kumar	IIT Bombay(Spoken Tutorials)	Cpp Training
75	Y.Prabhu Kumar	IIT Bombay(Spoken Tutorials)	Cpp Training
76	Zaheer Ahmed Mohammed	IIT Bombay(Spoken Tutorials)	Cpp Training
77	Tarakeshwar Rao Mandarapu	IIT Bombay(Spoken Tutorials)	Cpp Training
78	Kollapalli Ramesh Babu	IIT Bombay(Spoken Tutorials)	Cpp Training
79	Surekha G	IIT Bombay(Spoken Tutorials)	Cpp Training
80	R R S Ravi Kumar	IIT Bombay(Spoken Tutorials)	Cpp Training
81	Divya Sarukonda	IIT Bombay(Spoken Tutorials)	Cpp Training
82	R Yogesh	IIT Bombay(Spoken Tutorials)	Cpp Training
83	Potu Narayana	IIT Bombay(Spoken Tutorials)	Cpp Training
84	D Aruna Kumari	IIT Bombay(Spoken Tutorials)	Cpp Training
85	A Swarna	IIT Bombay(Spoken Tutorials)	Cpp Training
86	G Kalpana	IIT Bombay(Spoken Tutorials)	Cpp Training
87	Swetha P	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
88	S Bhavani	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
89	Mallikharjun Velisoju	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
90	Abdul Majeed	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
91	D Venkateshwarlu	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
92	M Vijaya	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
93	Thikkanna B	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
94	Rajashekar Parupati	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
95	M Venkateswarlu	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training

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96	P K V Subbaraya Sarma	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
97	T Aruna	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
98	Ch Deepika	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
99	Munga Kavya	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
100	Sameerunnisa Shaik	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
101	Maanasa T	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
102	B Sailaja	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
103	Lakshmi Priya	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
104	Praveen Kumar	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
105	Y.Prabhu Kumar	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
106	Mohammed Zaheer Ahmed	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
107	Tarakeshwar Rao Mandarapu	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
108	Kollapalli Ramesh Babu	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
109	Surekha G	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
110	R R S Ravi Kumar	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
111	Divya Sarukonda	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
112	R Yogesh	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
113	Potu Narayana	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
114	A Swarna	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
115	G Kalpana	IIT Bombay(Spoken Tutorials)	Rdbms Postgresql Training
116	Abdul Majeed	IIT Bombay(Spoken Tutorials)	Latex
117	M Vijaya	IIT Bombay(Spoken Tutorials)	Latex
118	Thikkanna B	IIT Bombay(Spoken Tutorials)	Latex
119	Rajashekar Parupati	IIT Bombay(Spoken Tutorials)	Latex

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120	M Venkateswarlu	IIT Bombay(Spoken Tutorials)	Latex
121	P K V Subbaraya Sarma	IIT Bombay(Spoken Tutorials)	Latex
122	T Aruna	IIT Bombay(Spoken Tutorials)	Latex
123	Ch Deepika	IIT Bombay(Spoken Tutorials)	Latex
124	Munga Kavya	IIT Bombay(Spoken Tutorials)	Latex
125	Sameerunnisa Shaik	IIT Bombay(Spoken Tutorials)	Latex
126	Maanasa T	IIT Bombay(Spoken Tutorials)	Latex
127	B Sailaja	IIT Bombay(Spoken Tutorials)	Latex
128	Lakshmi Priya	IIT Bombay(Spoken Tutorials)	Latex
129	Praveen Kumar	IIT Bombay(Spoken Tutorials)	Latex
130	Y.Prabhu Kumar	IIT Bombay(Spoken Tutorials)	Latex
131	Mohammed Zaheer Ahmed	IIT Bombay(Spoken Tutorials)	Latex
132	Tarakeshwar Rao Mandarapu	IIT Bombay(Spoken Tutorials)	Latex
133	Kollapalli Ramesh Babu	IIT Bombay(Spoken Tutorials)	Latex
134	Surekha G	IIT Bombay(Spoken Tutorials)	Latex
135	Divya Sarukonda	IIT Bombay(Spoken Tutorials)	Latex
136	R Yogesh	IIT Bombay(Spoken Tutorials)	Latex
137	A Swarna	IIT Bombay(Spoken Tutorials)	Latex
138	P Rajashekar	Ranksheet	Level-1 Core Java
139	P Rajashekar	Ranksheet	Level-2 Core Java
140	B Vikas	Ranksheet	Level-2 Core Java
141	G Kalpana	Ranksheet	Level-2 C
142	M Kavya	Ranksheet	Level-1 Html
143	M Kavya	Ranksheet	Level-2 In Oracle 9i Sql

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144	M Kavya	Ranksheet	Level-1 In Xml
145	M Kavya	Ranksheet	Level-1 In Core Networking
146	Sk Sameerunnisa	Ranksheet	Level-1 Core Java
147	Sk Sameerunnisa	Ranksheet	Level-1 Html
148	G.Kalpana	Ranksheet	Level 1 & 2 Certificates Of C
149	G.Kalpana	Ranksheet	Level 1 & 2 Certificates Of Oop
150	G.Kalpana	Ranksheet	Level 1 & 2 Certificates Of Core Java
151	G.Kalpana	Ranksheet	Level 1 & 2 Certificates Of Oracle 9i
152	G.Kalpana	Ranksheet	Level 1 & 2 Certificates Of Sql
153	G.Kalpana	Ranksheet	Level 1 & 2 Certificates Of Html
154	M Praveen	Ranksheet	C Programming
155	Md Zaheer	Cognitive Class Ai	Python 101 For Data Science
156	G Surekha	Cognitive Class Ai	Python 101 For Data Science
157	Md Zaheer	Cognitive Class Ai	ML With Python
158	G Surekha	Cognitive Class Ai	ML With Python

Table 5.5.6 Faculty Competencies in correlation to FDP/Workshop Attended --2020-21

Name of the Faculty	Name of The Workshop/FDP	From	To	Competencies
Dr. B. Vijaya Kumar	Outcome Based Pedagogical Initiatives for Effective Teaching and Learning, by AICTE, STTP, Matrusuri Engineering College,Saidabad	22.03.2021	27.03.2021	Outcome Based
S. Divya	MOODLE Learning Management System, Sri Devi Women Engineering College	10.08.2020	14.08.2020	Cloud LMS

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Dr. D. Srinivasa Rao	Outcome Based Pedagogical Initiatives for Effective Teaching and Learning, by AICTE, STTP, Matrusuri Engineering College,Saidabad	22.03.2021	27.03.2021	Outcome Based
D.Venkateshwarlu	Two Weeks Workshop on Internet of Things	28.09.2020	10.11.2020	IoT
S. Divya	Data Science The Future and New Technology, Balaji Institute of Technology and Science	05.10.2020	09.10.2020	Data Science
S. Divya	Python 3.4.3 Spoken Tutorial, Anurag University	14.09.2020	19.09.2020	Technology
Dr. D. Aruna Kumari	Outcome Based Pedagogical Initiatives for Effective Teaching and Learning, by AICTE, STTP, Matrusuri Engineering College,Saidabad	22.03.2021	27.03.2021	Outcome Based
KSRK Sarma	Outcome Based Pedagogical Initiatives for Effective Teaching and Learning, by AICTE, STTP, Matrusuri Engineering College,Saidabad	22.03.2021	27.03.2021	Outcome Based
S. Divya	Program on PERL Scripting, Lords Institute of Engineering & Technology	10.06.2020	14.06.2020	Scripting Languages
S. Divya	Block-Chain and Development, The National Institute of Engineering, CSI	17.06.2020	18.06.2020	Block Chain Technology
S. Divya	Recent Trends in Big Data Analytics of IOT-Devices Using Fog Computing, Malla Reddy College of Engineering & Technology	14.12.2020	26.12.2020	Big Data Analytics, IOT
S. Divya	Advanced Data Science and its Applications, BVRIT College of Engineering for Women	22.06.2020	26.06.2020	Data Science
All CSE Faculty	Recent trends and Advancements in Computer Science by Eminent	22.07.2020	28.07.2020	Technologies

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	Academicians, VJIT			
All CSE Faculty	Computational Intelligence in Blockchain Technology,VJIT	09.07.2021	10.07.2021	Block Chain Technology
All CSE Faculty	Application of Machine Learning & Data Science in the Emerging Areas,VJIT	18.02.2021	20.02.2021	Machine Learning, Data Science

List of Faculty Competencies in correlation to FDP/Workshop Attended on Outcome Based Education--2019-20

Name of the Faculty	Name of The Workshop/FDP	From	To	Competencies
Dr. K. Ramesh Babu	Course on Online Teaching by IUCEE Team of faculty	July, 2020	Sep, 2020	Teaching Pedagogy
B. Sailaja	Course on Online Teaching by IUCEE Team of faculty	July, 2020	Sep, 2020	Teaching Pedagogy
KSRK Sarma	Course on Online Teaching by IUCEE Team of faculty	July, 2020	Sep, 2020	Teaching Pedagogy

Name of the Faculty	Name of The Workshop/FDP	From	To	Competencies
PKVS Sarma	IEEE CONNECT 2019 conference Conducted by IEEE Bangalore Section.	26.07.2019	27.06.2019	Data Science
M.Vijaya	Hands on workshop on “Simulation of Wireless Sensor Networks using ns-3 simulator TEQIP-III, JNTUH” Conducted by Gokaraju Rangaraju	19.09.2019	-	Computer Networks

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	Institute of Engineering and Technology, Hyderabad			
S.Divya	Hands on workshop on “Simulation of Wireless Sensor Networks using ns-3 simulator TEQIP-III, JNTUH” Conducted by Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad	19.09.2019	-	Computer Networks
M.Venkateswarlu	7th International Conference on Transformations in Engineering Education (ICTIEE-2020) in Association with IUCEE Conducted by Anurag Group of Institutions, Hyderabad	05.01.2020	-	Data Science, Machine Learning
Dr. B.Vijaya Kumar	7th International Conference on Transformations in Engineering Education (ICTIEE-2020) in Association with IUCEE Conducted by Anurag Group of Institutions, Hyderabad	05.01.2020	08.01.2020	Data Science, Machine Learning
D.Venkateshwarlu	7th International Conference on Transformations in Engineering Education (ICTIEE-2020) in Association with IUCEE Conducted by Anurag Group of Institutions, Hyderabad	05.01.2020	-	Data Science, Machine Learning
Y.Praveen kumar	7th International Conference on Transformations in Engineering Education (ICTIEE-2020) in Association with IUCEE Conducted by Anurag Group of Institutions, Hyderabad	05.01.2020	08.01.2020	Data Science, Machine Learning

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P.Rajashekar	7th International Conference on Transformations in Engineering Education (ICTIEE-2020) in Association with IUCEE Conducted by Anurag Group of Institutions, Hyderabad	05.01.2020	-	Data Science, Machine Learning
MD.Zeeshan	7th International Conference on Transformations in Engineering Education (ICTIEE-2020) in Association with IUCEE Conducted by Anurag Group of Institutions, Hyderabad	05.01.2020	-	Data Science, Machine Learning
Y.Prabhu Kumar	International conference on ICTIEE 2020 A-Z for Research to Ph.D Conducted by Anurag Group of Institutions Hyderabad	05.01.2020	-	Data Science, Machine Learning
MD.Zaheer Ahmed	FDP on BigData Tools Conducted by St.Martins Engg college	18.05.2020	23.05.2020	BigData
P.Laxmi Priya	FDP on BigData Tools Conducted by St.Martins Engg college	18.05.2020	23.05.2020	BigData
K. Keerthi	FDP on Internet of Things Conducted by Anurag Group of Institutions Hyderabad	02.06.2020	06.06.2020	IoT
R.Yogesh	FDP on Internet of Things Conducted by Anurag Group of Institutions Hyderabad	02.06.2020	06.06.2020	IoT
A.Swarna	FDP on Data Science Conducted by TASK EXCELR,Hyderabad	01.07.2020	24.07.2020	Data Science
KSRK Sarma	Two Week Workshop on Internet of Things under TEQIP III Conducted by JNTUH	28.10.2020	10.10.2020	IoT
B.Sailja	Five days online Faculty	09.06.2020	13.06.2020	Block Chain

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	development program on "Block Chain Technologies" GEC College,Gudlavalleru			Technologies
Ch.Deepika	FDP on Artificial Intelligence Conducted by CBIT Hyderabad	22.05.2020	26.05.2020	Artificial Intelligence
G.Kalpana	FDP on Foundations for Machine Learning Conducted by SNIST,Hyderabad	14.02.2020	18.12.2020	Machine Learning
P.Sandhya	FDP on Recent Advances in Bigdata Analytics of IOT -Devices using Fog Computing Conducted by Malla Reddy College of Engineering	14.02.2020	26.12.2020	Big Data Analytics, IOT
M.Kavya	FDP on Deep Learning and its Applications Conducted by Malla Reddy Engineering College	07.12.2020	12.12.2020	Deep Learning
K.Bhavya	FDP on An Applied Deep Learning with PyTorch Conducted by Anurag Engineering College	03.08.2020	08.08.2020	Deep Learning
Abdul Majeed	FDP on IT industry Real Time Tools Conducted Bharat institute of Engineering and Technology	29.06.2020	03.07.2020	IoT
P.Swetha	FDP on Business Analytics using Python Conducted by Tirumala Engg college	22.06.2020	26.06.2020	Business Data Analytics
V.Srilaxmi	FDP on CyberAttacks Conducted by MGIT	20.07.2020	24.07.2020	Network Security
T.Maanasa	FDP on Advanced Data Processing using ML,ANN &DL Conducted by TKR college of Engineering and Technology	13.07.2020	17.07.2020	Machine Learning, Deep Learning
G.Surekha	FDP on Computer Networks simulation using NS2 Conducted by	10.08.2020	14.08.2020	Computer Networks

	MGIT			
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Table 5.5.6.3 List of Faculty Competencies in correlation to FDP/Workshop Attended-2018-19

Name of the Faculty	Name of The Workshop/FDP	From	To	Competencies
B.Thikkana	FDP on Enterprise Architecture with TOGAF Conducted by Anurag Group of Institutions Anurag Group of Institutions	04.06.2018	08.06.2018	
Md.Zaheer Ahmed	FDP on Python Conducted by Spoorthy Engineering College Spoorthy Engineering College	20.06.2018	25.06.2018	Technologies
S.Divya	Workshop on Outcome Based Education Conducted by Spoorthy Engineering College, Hyderabad Spoorthy Engineering College, Hyderabad	18.06.2018	23.06.2018	Outcome Based Education
B.Sailaja	FDP on Artificial Intelligence and Machine Learning Conducted by GREIT, Hyderabad GREIT, Hyderabad	29.04.2019	04.05.2019	Artificial Intelligence, Machine Learning
G.Surekha	FDP on Security Applications Using Block chain Technology Conducted by G Narayanamma Institute of Technology and Science G Narayanamma Institute of Technology and Science	10.12.2018	15.12.2018	Block chain Technology
P.Laxmi Priya	FDP on Security Applications Using Block chain Technology Conducted by G Narayanamma Institute of	10.12.2018	15.12.2018	Block chain Technology

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	Technology and ScienceG Narayanamma Institute of Technology and Science			
M.Vijaya	FDP on ML and Its Applications Conducted byVasavi Engineering college , Hyderabad	28.11.2018	30.11.2018	Machine Learning
P.Swetha	FDP on Cyber Security Conducted by BVRIT	26.04.2019	-	Cyber Security
A Swarna	Conference ICICSE-2018 Conducted by Gurunanak Institute of Technology	17.08.2018	18.08.2018	Natural Language Processing
B.Vikas	FDP on advanced android development Conducted by Google office,Hyderabad	28.08.2018	01.09- 2018	Technology
PKVS Sarma	FDP on Machine Learning &Deep Learning Conducted byMalla Reddy College of Engineering and Technology	29.04.2019	04.05.2019	Machine Learning, Deep Learning
KSRK Sarma	FDP on Python Conducted by Spoorthy Engineering College	20.06.2018	25.06.2018	Technology
R.Yogesh	FDP on Python Conducted bySpoorthy Engineering College	20.06.2018	25.06.2018	Technology
D.Venkateswarulu	FDP on Python Conducted bySpoorthy Engineering College	20.06.2018	25.06.2018	Technology
B.Srinivasulu	FDP on Python Conducted bySpoorthy Engineering College	20.06.2018	25.06.2018	Technology
M.Tarakeswararao	Advanced Android Development and Design Thinking Conducted byGoogle office,Hyderabad	28.08.2018	01.09- 2018	Technology
Abdul Mazedd	Advanced Android Development and Design Thinking Conducted byGoogle office,Hyderabad	28.08.2018	01.09- 2018	Technology

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P.Rajasekar	Advanced Android Development and Design Thinking Conducted byGoogle office,Hyderabad	28.08.2018	01.09-2018	Technology
Lakshmi Priya	Security Applications using Blockchain Conducted byGNIT	10.12.2018	15.12.2018	Network Security, Block Chain Technology
SK. Sameerunnisa	Security Applications using Blockchain Conducted byGNIT	10.12.2018	15.12.2018	Network Security, Block Chain Technology
R.R.S .Ravikumar	Security Applications using Blockchain Conducted byGNIT	10.12.2018	15.12.2018	Network Security, Block Chain Technology
Ch.Deepika	FDP on Cyber Security Conducted by BVRIT	18.04.2020	20.04.2020	Cyber Security

Table 5.5.6.4 List of Faculty Competencies in correlation to FDP/Workshop Attended -2020-21

Title of the professional development programme organised for teaching staff	From date	To Date	Number of participants (Teaching staff)	Competencies
One Week Online FDP on Recent Trends and Advancements in Computer Science by Eminent Academicians	22.07.2020	28.07.2020	39	IoT, Block Chain Technology

NBA SAR

A one Week FDP on Developing Potentials Emerging Technologies of Computer Science	1.7.2020	7.7.2020	39	Cloud Computing
Webinar on Innovation & Entrepreneurship	19.09.2020	19.09.2020	1	-
A webinar on “Intellectual property rights with emphasis on patents”	2.12.2020	2.12.2020	39	IPR
A workshop on ”How to teach programming basics” from IIT BOMBAY	16.12.2020	30.12.2020	39	Programming
A Webinar on “Entrepreneurship and innovation as career opportunity” ”(for students & staff)	28.12.2020	28.12.2020	39	-
A webinar on ”Idea to Voice, a successful innovator journey”(for students & staff)	2.1.2021	2.1.2021	38	-
NAAC awareness workshop	2.1.2021	3.1.2021	38	-
3 day FDP on “Applications of Machine Learning & Data Science in Emerging areas”	18.2.2021	20.2.2021	39	Machine Learning, Data Science
A workshop on “Swachatha”	6.5.2021	6.5.2021	39	-
Managing high blood Pressure during these challenging Times	11.5.2021	11.5.2021	38	-
Revised Guidelines for Prevention and management of Covid-19	25.5.2021	25.5.2021	39	-

Table 5.5.7 Faculty Competencies in correlation to FDP/Workshop Organised-2019-20

Title of the professional development programme organised for teaching staff	From date	To Date	Number of participants (Teaching staff)	Competencies
JAVA Training certification course	28.9 2019	28.9.2019	32	Technology
FDP on Advanced Artificial Intelligence and Deep Learning	08.05.2020	09.05.2020	39	Artificial Intelligence, Deep Learning
4-Day Online Global FDP on Advanced Artificial Intelligence and Data Engineering	08.06.2020	11.06.2020	39	Artificial Intelligence and Data Engineering
A One Week Online FDP on Recent Trends and Advancements in Computer Science by Eminent Academicians	22.07.2020	28.07.2020	39	Artificial Intelligence
A One Week FDP on Developing Potentials Emerging Technologies of Computer Science Engineering	01.07.2020	07.07.2020	39	Cloud Computing, IoT, Network Security
A Workshop on ICT Tools	10.10.2020	10.10.2020	14	-

Title of the professional development programme organised for teaching staff	From date	To Date	Number of participants (Teaching staff)	Competencies
FDP on Bigdata Analytics	15.11.2018	17.11.2018	18	Bigdata Analytics
A Two -Day Workshop on Artificial Intelligence and Deep Learning	27.04.2019	28.04.2019	43	Artificial Intelligence, Deep Learning
FDP on Virtualization and Cloud Computing	20.05.2019	25.05.2019	22	Cloud Computing
A Workshop on Introduction to Python and IoT	27.05.2019	27.05.2019	8	IoT

5.6. Innovations by the Faculty in Teaching and Learning (10)

Faculty members provide quality study material to enrich students' knowledge. Mode of teaching in this institute is not only limited to the traditional Chalk & Talk methods, But also an amalgamation of the modern technology (e.g. Power Point Presentation, Audiovisual Teaching etc.)

- Use of modern teaching aids like LCD / LED projectors, Internet enabled computer systems; Wi-Fi enabled laptops are usually employed in classrooms and other student learning environments.
- The course files are distributed among the students by the subject teacher well in advance of the commencement of the class. Faculty shares the study material with the students via e-mail, websites etc.

- The biggest resource for self-learning is obviously the college library. The college library not only possesses plenty of books to meet the students' syllabus-oriented needs, but it also houses numerous books by eminent national and international authors on a variety of topics which students may regularly access to sharpen and broaden their knowledge.
- There is a digital library facility in the campus and the students are encouraged to refer to journals and conference proceedings for their project works and seminars in the latest topics.
- The library also possesses a number of magazines and periodicals related to different branches of science and technology, which the students may readily access.
- The library also subscribes to a host of online and printed journals, which are made readily available to the students.
- Students are encouraged to visit NPTEL lectures, browse different internet sites to increase their knowledge about the subject. Moreover, through these activities students acquire knowledge which is beyond the syllabus.
- Arranging live Webinars by foreign and eminent professors. Displaying videos which effectively communicate the working of actual engineering solutions and their impact.
- Students are asked to submit assignments from internet and are asked to use softwares for mini projects.
- The faculty members are encouraged to participate in short term courses, staff development programs and workshops on advanced topics to keep pace with the advanced level of knowledge and skills.

The Teaching-Learning methodologies adopted by the faculty are available in the college website to enable other faculty members and the students to have an idea about the methodology which would be helpful for them to adopt the methodology and can be used for further enhancement.

The methods practiced are:

1. Use of ICT

2. Interactive Learning
3. Collaborative Learning
4. Flipped Class room
5. Role Play
6. Think-Pair-Share
7. Project Based Learning
8. Case-studies and Problem- based Learning
9. Learning Management System (LMS) – Canvas, Padlet
10. Quiz online platforms – Google forms, Google classroom, Mentimeter

The department set up appropriate process for implementing the Innovative Teaching and Learning methods by using some of the aids like

1. Department social networking site – https://www.youtube.com/channel/UCY4tqSOrrTTFZg6A3E_6GQ
2. Assignments are made available through Google doc
3. Seminar by students for specific topic are made available in canvas

- Institute has the E-learning facility that helps teachers to provide opportunities for mutual discussion, access to online resources.

Online Databases available in institution:

DSpace : <http://172.18.0.131/jspui/handle/1/2981>

NPTEL (<http://www.nptel.iitm.ac.in>)

Spoken Tutorial (<http://www.spokentutorial.org/>)

Innovative Teaching Methods Adopted by the Faculty:

Interactive Learning:

Interactive Learning is a hands-on, real-world approach to education; it encompasses all methods of purposeful student engagement. The students are aided with relevant material and encouraged to interact with instructor and among themselves. Lectures are changed into discussion, students and teachers being partners in the journey of knowledge acquisition.

Students strengthen their critical thinking and problem-solving skills using a much more holistic approach to learning.

Some of the following methods are Pair Programming, Competitive learning, Book Widgets, Google Meet (Jam Board), Game based Learning, Peer Competition, Learning by Doing, Poster Presentation.

Sl. No	Faculty Name	Course	Link
1	S.Divya	Software Engineering	https://drive.google.com/file/d/1HwAiNn7Oh3pBF72yO0XZO2qvcoccOUJN/view?usp=sharing
2	B.Sailaja	Design and Analysis of Algorithm	https://docs.google.com/document/d/1b2EG57u8Fb3rTTux6WQsd8TFm3j-Tb82/edit
3	B.Vikas	Principles of Problem Solving	https://vjit.ac.in/cse
4			https://vjit.ac.in/cse

5			https://photos.app.goo.gl/b3QfkB7a6aYbmkxK7
6			https://www.bookwidgets.com/play/t:Vem9bxyDUoS9KNWmMgrCIxuc5IM6rQJzMx5EfJn_jbwzQlZBOTM0
7			https://vjit.ac.in/cse
8	M.Tarakeshwar Rao	Python	https://vjit.ac.in/cse
9	B.Sailaja	Design and Analysis of Algorithm	https://vjit.ac.in/cse
10	S.Divya	Data Base Management Systems	https://drive.google.com/file/d/1XvBDOKdSvIYeo170ormBiCqdvq21yMNI/view
11	B.Vikas	Java Programming	https://vjit.ac.in/cse
12	S.Divya	Data Base Management Systems	https://drive.google.com/file/d/1XvBDOKdSvIYeo170ormBiCqdvq21yMNI/view

5.6.1 List of Interactive Learning Activities

Collaborative Learning:

“Collaborative learning is an umbrella term for a variety of educational approaches involving joint intellectual effort of the students, or students and teachers together. Usually students are working in groups of two or more, mutually searching for understanding, solutions or meanings, or creating a product.

Collaborative learning activities vary widely, but mostly centers on students' exploration or application of the course material, not simply the teacher's presentation or explanation.

Why use cooperative learning?

To

- promote student learning and academic achievement
- enhance student satisfaction with their learning experience
- help students develop oral communication skills
- develop students technical skills
- promote self-esteem of the students

5 Elements of cooperative learning

1. Positive interdependence
2. Face-to-face interaction
3. Individual and group accountability
4. Interpersonal skills
5. Group process

SI. No	Faculty Name	Course	Link
1	B.Vikas	Principles of Problem Solving	https://sites.google.com/vjit.ac.in/19-cse-c-problem-solvers/home#h.top1nyygz2

Table 5.6.2 List of Collaborative Learning Activities

Flipped Classroom:

A flipped classroom is an instructional strategy and a type of blended learning that reverses the traditional learning environment by delivering instructional content, often online, outside of the classroom. It moves activities, including those that may have traditionally been considered homework, into the classroom. In a flipped classroom, students watch online lectures, collaborate in online discussions, or carry out research at home and engage in concepts in the classroom with the guidance of a mentor.

The flipped classroom intentionally shifts instruction to a learner-centered model in which class time explores topics in greater depth and creates meaningful learning opportunities, while educational technologies such as online videos are used to ‘deliver content’ outside of the classroom. In a flipped classroom, ‘content delivery’ may take a variety of forms.

Sl. No	Faculty Name	Course	Link
1	S.Divya	Operating Systems	https://drive.google.com/drive/folders/1j8k6xfyJpueItaPML9aZ89BWY5fztavw

Table 5.6.3 List of Flipped Classroom Activities

Role play:

Role-play is to perform a social role unconsciously or consciously to communicate with each other as a training exercise in an educational or corporate setting.

To refer to taking a role of an existing character or person and acting it out with a partner taking someone else’s role, often involving different genres of practice.

Sl. No	Faculty Name	Course	Link
1	M.Vijaya	Compiler Design	https://vjit.ac.in/cse
2	Y.Prabhu Kumar	Big Data Analytics	https://vjit.ac.in/cse
3	B.Sailaja	Design and Analysis of Algorithm	https://vjit.ac.in/cse
4	S.Divya	Operating Systems	https://vjit.ac.in/cse
5	S.Divya	Data Base Management Systems	https://drive.google.com/drive/shared-with-me
6	S.Divya	Computer Networks	https://drive.google.com/file/d/1s9FRLEaFQRFTXeG0I3PEXpgzYInR3y-6H/view?usp=sharing

Table 5.6.4 List of Role Play Activities

Think-Pair-Share:

Think-Pair-Share (TPS) is a collaborative learning strategy in which students work together to solve a problem or answer a question about an assigned reading. This technique requires students to (1) think individually about a topic or answer to a question; and (2) share ideas with classmates. Discussing an answer with a partner serves to maximize participation, focus attention and engage students in comprehending the reading material.

Benefits:

- The Think-Pair-Share strategy is a versatile and simple technique for improving students' reading comprehension.
- It gives students time to think about an answer and activates prior knowledge.
- TPS enhances students' oral communication skills as they discuss their ideas with one another.
- This strategy helps students become active participants in learning and can include writing as a way of organizing thoughts generated from discussions.

SI. No	Faculty Name	Course	Link
1	M.Vijaya	Software Engineering	https://vjit.ac.in/cse

Table 5.6.5 List of Think-Pair-Share activities

Project Based Learning:

Project-based learning (PBL) or project-based instruction is an instructional approach designed to give students the opportunity to develop knowledge and skills through engaging projects set around challenges and problems they may face in the real world.

SI. No	Faculty Name	Course	Link
1	Y.Prabhu Kumar	Data Warehousing Data Mining	https://vjit.ac.in/cse

Table 5.6.6 List of Project Based Learning activities

Case Based Learning:

This method is learner-centered with intense interaction between participants as they build their knowledge and work together as a group to examine the case

The instructor's role is to facilitate the students to collaboratively analyze, resolve the problems, and address questions.

Sl. No	Faculty Name	Course	Link
1	B.Sailaja	Data Base Management System	https://vjit.ac.in/cse
2	G.Surekha	Computer Networks	https://vjit.ac.in/cse
3	A.Swarna	Big Data Analytics	https://vjit.ac.in/cse

Table 5.6.7 List of Case Based Learning activities

Learning Management System(LMS):**CANVAS:**

Canvas easily connects instructors and students, used to monitor grades, manage active enrollments, assignment submissions, share course documents, facilitate message correspondence between students and instructors, and contain course and institutional syllabus information for all to access.

Sl. No	Faculty Name	Course	Link
1	S.Divya	Operating System	https://canvas.instructure.com/courses/2402645/files
2	M.Vijaya	Linux Programming	https://canvas.instructure.com/courses/2404210/files
3	B.Sailaja	OOPS through JAVA	https://canvas.instructure.com/courses/2404225/files/
4	B.Sailaja	Data Structures	https://canvas.instructure.com/courses/2251349

5.6.8 List of LMS-Canvas activities

Sample

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The screenshot displays the Canvas LMS interface for a course titled 'Data Structures'. The browser address bar shows the URL 'canvas.instructure.com/courses/2251349'. The left sidebar contains navigation links: Home, Announcements, Assignments, Discussions, Grades, People, Pages, Files, Syllabus, Outcomes, Rubrics, Quizzes, Modules, BigBlueButton (Conferences), and a search bar. The main content area is titled 'Data Structures > Modules' and includes buttons for 'Collapse All', 'View Progress', and '+ Module'. A table lists the modules under the 'Introductory Module' section, each with a document icon, a title, a green checkmark, and a three-dot menu icon.

Introductory Module			
	DS CO-PO.docx	✓	
	DS Syllabus & Prerequisites.docx	✓	
	Timetable.docx	✓	
	DS Lecture Plan .docx	✓	
	Previous Question Papers.docx	✓	
	Unit Wise Questions.docx	✓	

On the right side of the interface, there is a 'Student View' button and a list of actions: Import Existing Content, Import from Commons, Choose Home Page, View Course Stream, New Announcement, New Analytics, and View Course Notifications. Below these is a 'To Do' section with two items: 'Grade Assignment-1 Program for Single Linked List' (10 points, No Due Date) and 'Grade Quiz-2' (20 points, No Due Date). At the bottom, there is an 'Activate Windows' watermark and a system tray showing the date and time as 3:02 PM on 9/24/2021.

Figure 5.6.1 LMS-Canvas

Modules in the course .

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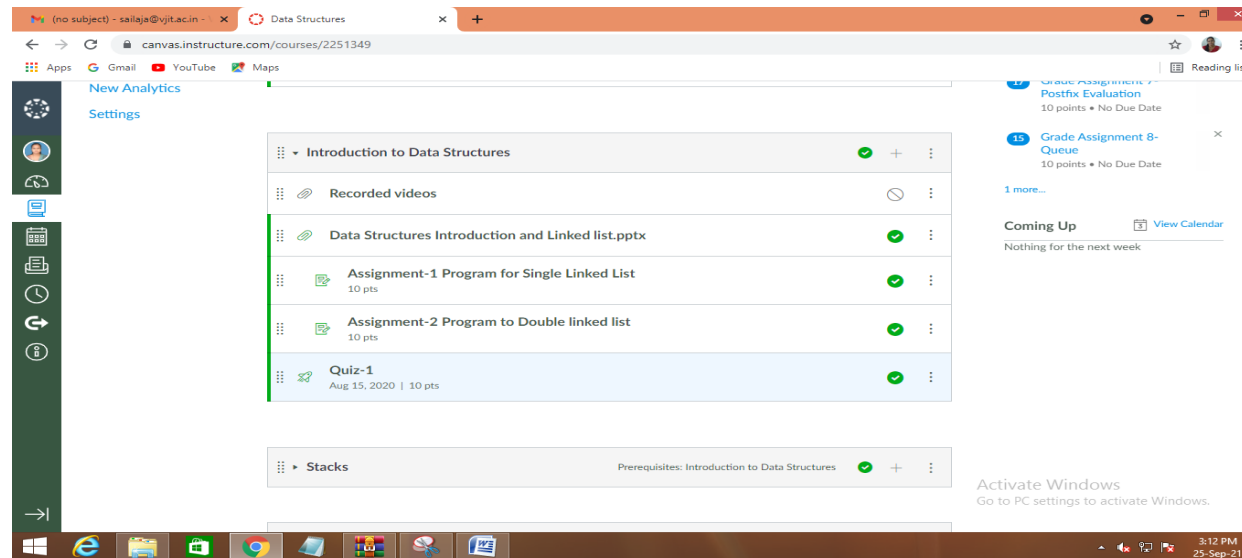


Figure 5.6.2 LMS-Moodle

List of Students added to the course-deleted in enba

3 invitations haven't been accepted. [Resend](#)

Name	Login ID	SIS ID	Section	Role	Last Activity	Total Activity
5A1 Pavan kumar	pavan200235@gmail.com		Data Structures	Student	Sep 7, 2020 at 7:44am	27:46
5A4 Bala Aswitha (She/Her)	balaaswitha@gmail.com		Data Structures	Student	Jul 4 at 11:21am	01:55:28
5A7 Rental Balraj (He/Him)	rentalbalraj@gmail.com		Data Structures	Student	Jun 4 at 7:35pm	02:00:22
5A8-R.Rishitha (She/Her)	rishitha.rikkala@gmail.com		Data Structures	Student	Feb 4 at 6:02pm	03:51:40
5B3 Syed Muziba (She/Her)	lamaximusmuziba@gmail.com		Data Structures	Student	Dec 12, 2020 at 8:30pm	38:50
GOUTHAMI 5B4	gautamithakur23@gmail.com		Data Structures	Student	Aug 17 at 8:50pm	02:39:26
5B6-T.Manasa (She/Her)	teenathopugonda@gmail.com		Data Structures	Student	Sep 23, 2020 at 10:54am	01:49:36
5B7-V.Sai Siddharth	vsaisidvirat18@gmail.com		Data Structures	Student	Jan 5 at 10:33am	01:39:19
5B8-Varshitha	vennavarshitha@gmail.com		Data Structures	Student	Feb 28 at 9:53am	02:30:21

Figure 5.6.3 LMS-Canvas (People List)

Live Lecture videos uploaded in canvas for students reference deleted in enba

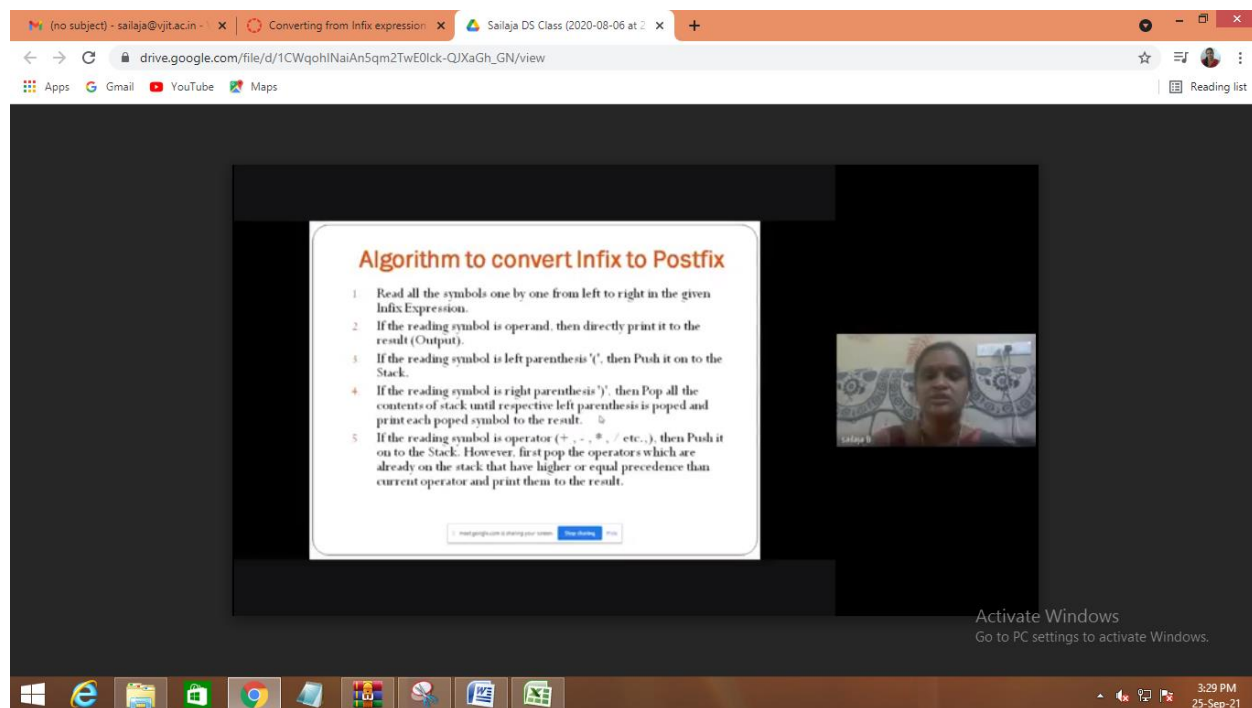


Figure 5.6.4 Video Lecture- Google Drive

Google Classroom:

The education-friendly platform, Google Classroom brings the benefits of paperless sharing, assessment, and digital collaboration to classrooms.

Sl.	Faculty	Course	Link
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No	Name		
1	S.Divya	Data Base Management Systems	https://classroom.google.com/w/Njk1MTEyMjUzNzda/t/all
2	B.Vikas	Principles of Problem Solving	https://classroom.google.com/u/5/c/MjM5MjA1MzA5NTYy

Table 5.6.9 List of Google Classroom activities

Youtube playlist:

To gather a bunch of videos at one spot for students to access, which helps in instructional practices.

Sl. No	Faculty Name	Course	Link
1	M.Tarakeshwar Rao	JAVA	https://www.youtube.com/watch?v=xwnyfDQvIrw
2			https://www.youtube.com/watch?v=HZW_-NU2J8o
3			https://www.youtube.com/channel/UCj7_9uJwb57kEpi9pzkwpg
4			https://www.youtube.com/watch?v=SA6E86FGrNs&list=PLU4t2pie24xHXcucmpEf6nl6pbywrraiP
5			https://www.youtube.com/watch?v=CGFfYanSjws&list=PLU4t2pie24xEthAtoVeqBGj0Nrzej8zXDq
6		Web Technologies	https://www.youtube.com/watch?v=Cd6koT2Mh74&list=PLU4t2pie24xFpCjGZf7bcx06HhBoBmAf2

Table 5.6.10 List of Lectures in Youtube

Moodle:

- User-friendly Interface.
- Ease of Integration.
- Content Management.
- Ease of Access.
- Blended Learning Features.
- Assessment and Testing.
- Reporting and Tracking

SI. No	Faculty Name	Course	Link
1	B.Sailaja	Data Structures	https://sailajavjit.gnomio.com/
2	B.Vijaya Kumar	JAVA	https://vjtcse.moodlecloud.com
3	D.Venkateswarlu	Data Warehousing Data Mining	https://vjtcse.moodlecloud.com
4	D.Aruna Kumari	Data Structures	https://vjtcse.moodlecloud.com
5	KSRK Sarma	Mathematical Foundation of Computer Science	https://vjtcse.moodlecloud.com
6	Mohammed Zeeshan	Data Base Management Systems	https://vjtcse.moodlecloud.com

Table 5.6.11 List of Lectures in Moodle

Quiz online/offline platforms:

Padlet

It's a free online tool that is best described as an online notice board. Padlet can be used by students and teachers to post notes on a common page.

SI. No	Faculty Name	Course	Link
1	B.Vikas	Principles of Problem Solving	https://padlet.com/vikasb2/visual_projects_poll_aia
2	B.Vikas	Principles of Problem Solving	https://padlet.com/vikasb2/visual_projects_poll_aia
3	K. Samata	Principles of Problem Solving	https://padlet.com/samatakce/orz4dbr787y8frjw

Table 5.6.12 List of Quiz online/offline

S. No	Faculty Name	Course	Topic	Innovative methods adopted	Reproducibility and Reusability	Year
1	M.Tarakes hwar Rao	JAVA	Introduction to collection framework	Use of ICT	https://www.youtube.com/watch?v=xwnyfDQvIrw	2020-21
2	M.Tarakes hwar Rao	JAVA	Java Collection Framework: ArrayList & Linked List	Use of ICT	https://www.youtube.com/watch?v=HZW_-NU2J8o	2020-21

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3	S.Divya	Data Base Management Systems	DBMS Material	Google Classroom	https://classroom.google.com/w/Njk1MTEyMjUzNzda/t/all	2020-21
4	S.Divya	Operating Systems	OS Material	Canvas platform	https://canvas.instructure.com/courses/2402645/files	2020-21
5	S.Divya	Operating Systems	Introduction to operating system	SlideShare	https://www2.slideshare.net/divyadiv12/introduction-to-operating-system-239196125	2020-21
6	B.Vikas	Principles of Problem Solving	Arrays	Pair programming	https://vjit.ac.in/cse	2020-21
7	B.Vikas	Principles of Problem Solving	Loops	Unconference Class	https://vjit.ac.in/cse	2020-21
8	B.Vikas	Principles of Problem Solving	Arrays, Structures	Competitive Learning	https://photos.app.goo.gl/b3QfkB7a6aYbmKxK7	2020-21
9	B.Vikas	Principles of Problem Solving	Input/Output statements	Padlet – Practice Platform	https://padlet.com/vikasb2/visual_projects_poll_aia	2020-21
10	B.Vikas	Principles of Problem Solving	Assignments and Material	Google Classroom	https://classroom.google.com/u/5/c/MjM5MjA1MzA5NTYy	2020-21

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11	B.Vikas	Principles of Problem Solving	Class Test	Book Widgets	https://www.bookwidgets.com/play/t:Vem9bxyDUoS9KNWmMgrCIxuc5IM6rQJzMx5EfJn_jbwzQlZBOTM0	2020-21
12	B.Vikas	Principles of Problem Solving	Class Poll	Padlet – Tool for Poll (Collaborative Learning)	https://padlet.com/vikasb2/visual_projects_poll_aia	2020-21
13	K. Samata	Principles of Problem Solving	Timeline	Padlet	https://padlet.com/samatakcse/orz4dbr787y8frjw	2020-21
14	B.Sailaja	Data Base Management Systems	Airline Reservation System	Case Based Learning	https://vjit.ac.in/cse	2019-20
15	M.Vijaya	Compiler Design	Phases of Compiler	Role Play	https://vjit.ac.in/cse	2019-20
16	B.Vijaya Kumar	JAVA	Material	Moodle platform	https://vjitcse.moodlecloud.com	2019-20
17	D.Venkateswarlu	Data Warehousing Data Mining	K-Means Algorithm	Moodle platform	https://vjitcse.moodlecloud.com	2019-20
18	D.Aruna Kumari	Data Structures	Material	Moodle platform	https://vjitcse.moodlecloud.com	2019-20
19	Y.Prabhu	Big Data	Word Count	Role Play	https://vjit.ac.in/cse	2019-

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	Kumar	Analytics				20
20	B.Vikas	Principles of Problem Solving-II	Strings, Pointers & Files	Game Based Learning, Peer Competition	https://vjit.ac.in/cse	2019-20
21	Y.Prabhu Kumar	Data Warehousing Data Mining	Map Reduce	Project Based Learning	https://vjit.ac.in/cse	2019-20
22	M.Tarakeshwar Rao	Python	Dictionaries in Python	Learning by Doing	https://vjit.ac.in/cse	2019-20
23	G.Surekha	Computer Networks	Analysis on Protocols	Case Based Learning	https://vjit.ac.in/cse	2019-20
24	S.Divya	Software Engineering	System Models: ATM Management System	Interactive Learning	https://drive.google.com/file/d/1HwAiNn7Oh3pBF72yO0XZO2qvcoccOUJN/view?usp=sharing	2019-20
25	B.Vikas	Principles of Problem Solving	Principles of Problem Solving-II	Collaborative Learning	https://sites.google.com/vjit.ac.in/19-cse-c-problem-solvers/home#h.top1nyygm2	2019-20
26	M.Tarakeshwar Rao	JAVA	All topics of Java	Use of ICT	https://www.youtube.com/channel/UCj7_9uJwb57kEpi9pzkwpag	2019-20
27	B.Sailaja	Design and Analysis of Algorithms	Divide on Conquer	Poster Presentation	https://vjit.ac.in/cse	2019-20
28	B.Sailaja	Design and Analysis of Algorithms	Quick Sort	Roleplay	https://vjit.ac.in/cse	2019-20

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29	S.Divya	Operating Systems	Reader Writer problem	Roleplay	https://vjit.ac.in/cse	2019-20
30	S.Divya	Data Base Management Systems	SQL Query	Google Meet-JAM Board	https://drive.google.com/file/d/1XvBDOkdSvLYeo170ormBiCqdvq21yMNI/view	2019-20
31	S.Divya	Data Base Management Systems	Trigger After Update	Role Play	https://drive.google.com/drive/shared-with-me	2019-20
32	S.Divya	Operating Systems	File Allocation Methods	Flipped Classroom	https://drive.google.com/drive/folders/1j8k6xfyJpueI taPML9aZ89BWY5fztavw	2019-20
33	A.Swarna	Big Data Analytics	Big Data Failure	Case Based Learning	https://vjit.ac.in/cse	2019-20
34	S.Divya	Computer Networks	Data Transmission	Role Play	https://drive.google.com/file/d/1s9FRLEaFQRFTXeG0I3PEXpgzYInR3y-6H/view?usp=sharing	2019-20
35	M.Vijaya	Software Engineering	Context Models: Hotel Management	Think-Pair-Share	https://vjit.ac.in/cse	2019-20
36	B.Vikas	Java Programming	Object Construction, Inheritance-Polymorphism	Simulation IDE-BlueJ Game Based Learning, Peer Competition	https://vjit.ac.in/cse	2019-20

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37	B.Sailaja	Design and Analysis of Algorithms	Stack Operations, Trees & Graphs	Interactive Learning	https://docs.google.com/document/d/1b2EG57u8Fb3rTTux6WQsd8TFm3j-Tb82/edit	2019-20
38	M.Tarakeshwar Rao	JAVA	Constructors in Java	Use of ICT	https://www.youtube.com/watch?v=SA6E86FGrNs&list=PLU4t2pie24xHXcucmpEf6nl6pbywrraiP	2019-20
39	M.Tarakeshwar Rao	JAVA	Java Multithreading	Use of ICT	https://www.youtube.com/watch?v=CGFfYanSjws&list=PLU4t2pie24xEthAtoVeqBGj0Nrj8zXDq	2019-20
40	KSRK Sarma	Mathematical Foundation of Computer Science	Material	Moodle platform	https://vjitcse.moodlecloud.com	2019-20
41	M.Tarakeshwar Rao	Web Technologies	Introduction to web technologies	Use of ICT	https://www.youtube.com/watch?v=Cd6koT2Mh74&list=PLU4t2pie24xFpCjGZf7bcx06HhBoBmAf2	2019-20
42	Mohammed Zeeshan	Data Base Management Systems	DBMS Material	Moodle Platform	https://vjitcse.moodlecloud.com	2019-20
43	M.Vijaya	Linux Programming	Material	Canvas Platform	https://canvas.instructure.com/courses/2404210/files	2019-20

44	P.Sandhya	OOPS through JAVA	Material	Canvas Platform	https://canvas.instructure.com/courses/2404225/files/	2019-20
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Table 5.6.13 Consolidated List of Innovative Teaching Methods**Competencies in correlation with Outcome Based Education (OBE):**

Faculty Name	Title of the Paper	Journal	Academic Year
Mr. Y. Praveen Kumar	Strengthening Industry Institute Collaboration and its Outcome	Journal of Engineering Education Transformations	2019-20

5.7. Faculty as participants in Faculty development/training activities/STTPs (15)

Sl.No	Name of The Faculty	2019-20	2018-19	2017-18
1	Dr.B.Vijaya Kumar	3	-	-
2	Dr.M.Ravi Mathey	3	5	5
3	Dr. D.Aruna Kumari	5	5	5
4	Dr.K.V.Rangarao	3	5	-
5	Dr. Chandra Naik	3	5	-

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6	Dr.K.Ramesh Babu	5	-	-
7	Dr. Mahmood Ali Mirza	3	5	-
8	Dr.Bhargavi Peddireddy	-	-	-
9	Mr. D. Venkateshwarlu	3	-	0
10	Mr. B. Srinivasulu	5	-	-
11	Mr. R. Yogesh	5	-	0
12	Ms .P.Swetha	3	5	3
13	Ms .B. Sailaja	5	5	-
14	Mr. RRS.Ravi Kumar	5	-	0
15	A.Swarna Reddy	5	-	3
16	Mr. Y.Praveen Kumar	3	-	5
17	Mr. KSRK Sarma	5	5	5
18	Mr. K.Srinivas Rao	3	5	5
19	Mr. Y.Prabhu Kumar	3	5	5
20	Mr. Abdul Majeed	3	5	0
21	Mr. P.Rajashekar	5	5	0
22	Mr. M.Tarakeshwar Rao	3	5	5

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23	Mr. PKV Sharma	5	5	5
24	Mr. B.Thikkana	3	5	5
25	Ms.G.Surekha	5	5	5
26	Ms.Ch.Deepika Reddy	5	5	5
27	Ms.M.Vijaya	5	5	0
28	Ms.S.Divya	5	5	5
29	Mr. M.Venkateshwarlu	5	5	5
30	Mr. Md. Zeeshan	3	5	3
31	Mr. B.Vikas	3	5	0
32	Ms.P.Laxmi Priya	5	5	5
33	Ms.G.Kalpana	5	5	0
34	Ms.M.Kavya	3	5	5
35	Ms.T.Maanasa	3	5	5
36	Ms.K.Samatha	3	5	0
37	Ms.K.Keerthi	3	5	0
38	Ms.S Sri Lakshmi	3	5	0
39	Ms.P Sandhya	3	5	5

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40	Mr. Mohammed Zaheer Ahmed	3	5	5
41	Ms.K.Neha	3	-	-
	Sum	154	155	99.00
	RF= Number of Faculty required to comply	40	39	38
	Assessment = $3 \times (\text{Sum}/0.5\text{RF})$ (Marks limited to 15)	23.10	23.85	15.63

5.7.1 List of Faculty participated in FDP/STTP

Average Assessment for Last Three years(2020-21, 2019-20 & 2018-19) (Marks limited to 15) = **20.86** **Assessment Marks: 15**

5.8. Research and Development (75)

5.8.1. Academic Research (20) Academic research includes research paper publications, Ph.D. guidance, and faculty receiving Ph.D. during the assessment period.

- Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc. (15)
- Ph.D. guided /Ph.D. awarded during the assessment period while working in the institute (5)
- All relevant details shall be mentioned.

Consolidated list of Publications

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Assessment Year	Journals	Book/Book Chapters	Total
2020-21	14	-	14
2019-20	62	4	66
2018-19	14	1	15

5.8.1.1 Consolidated list of Publications**Paper Publication (journal – Consolidated List – Faculty wise)**

Name of the Faculty	2020-21	2019-20	2018-19	Total Number of Publication
Dr. B. VijayaKumar	1	6	3	10
Dr.Ravi Mathey		2		2
Dr. D.Aruna Kumari	1	7	1	9
Dr. K.Ramesh Babu	4	6		10
D.Venkateshwarlu	3	4		7
P.Swetha		1		1
RRS Ravi Kumar	1	1		2
Y.Praveen Kumar		2		2
KSRK Sarma		3		3
P.Rajashekar		2		2

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B.Thikkanna		1	1	2
G.Surekha		1		1
Y.Prabhu Kumar		1		1
Zaheer Ahmed	1	1		2
Ch.Deepika		1		1
M.Vijaya		1	1	2
S.Divya		1		1
M.Venkateshwarlu		1		1
P.Laskhmi Priya		1		1
G.Kalpana	2	1		3
T.Maanasa	1	1		2
M.Kavya		1		1
K.Keerthi		1		1
Sri Lakshmi		1		1
K.Neha		4	1	5
R.Yogesh		1		1

Table 5.8.1.2 Consolidated list of Publications year wise

AY: 2020-21

Total No. of Publications - 14

S.No	Author	Title	Citation Details	DOI no
1	B Vijayakumar2	Stock Market Trend Prediction using Supervised Machine	International Research Journal of Engineering and	https://www.irjet.net/archives/V7/i12/IRJET-V7I1210.pdf

		Learning Algorithms	Technology (IRJET)	
2	G.Kalpna	Integrating custom queuing strategy for enhancing security of a packet scheduling in wireless networks	International Conference on Recent Trends In Computer Science And Information Technology (ICRCSIT-20)	http://dx.doi.org/10.31838/jcr.07.12.606
3	D. Venkateshwarlu	Filtering-Based Online Social Voting For Recommendation	JAC : A Journal Of Composition Theory	http://www.jctjournal.com/gallery/3-dec2020.pdf
4	D. Venkateshwarlu 2	Efficient System For Maximizing Profit In Cloud Computing	JAC : A Journal Of Composition Theory	http://www.jctjournal.com/gallery/6-dec2020.pdf
5	K. Ramesh Babu*	A Decision Tree Based Recommended System For Tourism	JAC : A Journal Of Composition Theory	http://www.jctjournal.com/gallery/5-dec2020.pdf
6	D.Venkateshwarlu	Nearest Keyword Set Search In Multi-Dimensional Datasets	JAC : A Journal Of Composition Theory	NA
7	K. R. babu	Constrained Clustering Approach in Wireless Sensor Networks to Minimize the Energy Consumption	2020 IEEE International Symposium on Sustainable Energy, Signal Processing and Cyber Security (iSSSC)	10.1109/iSSSC50941.2020.9358805

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8	K. Ramesh Babu,	egovernance for citizen awareness and corruption mitigation	IHCI, Springer International Publishing	https://link.springer.com/chapter/10.1007/978-3-030-68449-5_46
9	Kollapalli Ramesh Babu	Social inclusion and e-governance: A case study in alirajpur district, Innovations for Community Services	Springer International Publishing	NA
10	T.Maanasa	Real time Cloud Computing Based COVID-19 Health Monitoring System using IOT with integration of Machine Learning Approach to Create Safety Environment	Annals of the Romanian Society for Cell Biology	http://annalsofrscb.ro/index.php/journal/article/view/326
11	Mohammed Zaheer Ahmed	A Weight Based Labeled Classifier Using Machine Learning Technique for Classification of Medical Data	International Information and Engineering Technology Association	https://doi.org/10.18280/ria.350104
12	Ravi Kumar R.R.S	Distributed deep Autoencoder for recommendation system	Turkish Journal of Computer and Mathematics Education	https://doi.org/10.17762/turcomat.v12i10.5082
13	G.Kalpana	Machine Learning Model for Income Classification	National Conference for Women on Innovations in	NA

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			Science, Engineering and Technology(NCWISE T)	
14	Dr.D.Aruna Kumari	Challenges in Multilingual and Mixed Script Sentiment Analysis	6th International Conference for Convergence in Technology (I2CT)	<u>10.1109/I2CT51068.2021.9418087</u>

Table 5.8.1.3 List of Publications

AY: 2019-20

Total No. of Publications - 62

S.No	Author	Title	Citation Details	DOI no
1	Dr.Ravi mathey	A cross tenant access control (CTAC) model for cloud computing formal specification and verification	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V11I9.208301.4503120</u>
2	Divya S	A neuro based level irregularity to efficient acknowledgment of variations in online social networks	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1441.0982S1119
3	Dr.K.Ramesh Babu	A novel approach for human stress detection based on	The International journal of analytical and experimental	<u>18.0002.IJAEMA.2019.V11I9.208301.4503127</u>

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		social interactions	modal analysis	
4	D.Venkateshwarlu	A review on post content, posting and liking behavior for Facebook post stance labeling	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V11I9.208301.4503108</u>
5	Dr.K.Ramesh Babu	A stability maintenance costs and energy exploitation in cloud data center	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V11I9.208301.4503113</u>
6	M.Vijaya	Advanced Street Lighting System Using Internet Of Things	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V11I9.208301.4503130</u>
7	Dr. Siddhartha Ghosh	Analysis Of Agricultural Data For Maximum Benefit of Farmer	The International journal of Analytical and Experimental Modal Analysis	<u>https://app.box.com/s/35vkru72dsvm7il044ie7pm26iluweve</u>
8	Dr. Siddhartha Ghosh	Application of Data Analysis in Health Care	The International journal of Analytical and Experimental Modal Analysis	<u>https://app.box.com/s/5c45aa8m196n75ocblkoaz0k9z7exu9j</u>
9	Maanasa Thogaru	Association Rule Mining from Multidimensional Database Using an Advanced Apriori Algorithm	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V11I9.208301.4503104</u>

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10	Dr.Ravi mathey	Automated expression removal from substantial massive record	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V</u> <u>11I9.208301.4503126</u>
11	T. Aruna	Automatic Authentication Through IoT	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V</u> <u>11I9.208301.4503134</u>
12	Dr. Siddhartha Ghosh	Automatic Parallel Car Parking System using Sensors and Adriano UNO	International Journal of Recent Technology and Engineering (IJRTE)	DOI: 10.35940/ijrte.B1435.098 2S1119
13	Ahmed M.Z.	Big data clustering and its applications examination	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1466.098 2S1119
14	Munga Kavya	Censorship of reinforcement learning CHATBOT	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V</u> <u>11I9.208301.4503106</u>
15	Dr.K.Ramesh Babu	Collecting multi- tenant data for responsibility in the cloud	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V</u> <u>11I9.208301.4503112</u>
16	R.Yogesh	Customized toll assessment framework utilizing RFID and application	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V</u> <u>11I9.208301.4503125</u>

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17	P. Lakshmi Priya	Data mining techniques for consumer actions using proportional analysis of structured and unstructured retail business	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V11I9.208301.4503097</u>
18	Kandula Neha	Data Wrangling using Python	International Journal of Recent Technology and Engineering (IJRTE)	<u>https://www.ijrte.org/wp-content/uploads/papers/v8i2S11/B14270982S1119.pdf</u>
19	Kumari D.A.	Design of hybrid method for automatic sentiment classification system	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1453.0982S1119
20	B Thikkanna	Designing link-delay responsive and reliable path in radio sensor network	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V11I9.208301.4503095</u>
21	Dr. D.Aruna Kumari	Detection of Phishing Websites On The Basis Of Feature Classification through Extreme Learning Machine	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V11I9.208301.4503100</u>
22	Vijaya Kumar, B.Bhavya, K.	Dog breed identification with fine tuning of pre-trained models	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1464.0982S1119

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23	Dr. D.Aruna Kumari	Domain recognition of textual classification using machine learning approach	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V</u> <u>11I9.208301.4503135</u>
24	Aruna Kumari D.	Emotion detection using facial expressions with convolution neural networks	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1452.098 2S1119
25	Rajashekar, P. Aruna Kumari, D. Sarma, P.K.V.S. Prabhu Kumar, Y.	Emphasize the cloud security using various substitution techniques	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1475.098 2S1119
26	Sriteja, M. Nisar, A. Vinay Kumar Reddy, K. Vamshi Krishna, G.	Enimo-energy conservation system	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1448.098 2S1119
27	Ravi Kumar, R.R.S. Apparao, G.	Extreme learning machine with sigmoid activation function on large data	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1433.098 2S1119

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28	D.Venkateshwarlu	Filtering-based online social voting for recommendation	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V11I9.208301.4503119</u>
29	K. Kalpana, G.	Improving efficiency in separating blood vessels from retinal images with deep learning techniques	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1457.0982S1119
30	Vijaya Kumar, B.	Innovative region based steganographic technique to provide security and authentication to digital image	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1469.0982S1119
31	Londhe, D.D. Kumari,	Language identification for multilingual sentiment examination	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1444.0982S1119
32	Sarma, K.S.R.K.	Local gradient dual coding book (LGDCB) framework for effective texture classification	International Journal of Advanced Trends in Computer Science and Engineering	<u>DOI: 10.30534/ijatcse/2019/95842019</u>
33	KSRK Sarma	Maximization Routing in MANETS using Energy Efficient AODV	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V11I9.208301.4503105</u>

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34	Dr.K.Ramesh Babu	Mixture approach to dynamically discovery of irrelevant on social network	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V</u> <u>11I9.208301.45030116</u>
35	Dr. B.Vijaya Kumar	Mutual approval for sorted based dataon online network voting	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V</u> <u>11I9.208301.4503128</u>
36	Aruna Kumari, D.	One size does not fit all Trade-offs between misuse probability and level of sanitization for big data	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1451.098 2S1119
37	Dr. K.V. Ranga Rao	Optimized SecuredMobile Ad-HocNetwork with CCM-OMFModel	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V</u> <u>11I9.208301.4503099</u>
38	Dr,Siddhartha Ghosh	Parking System For Smart Cities	International Journal of Recent Technology and Engineering (IJRTE)	10.35940/ijrte.B1436.098 2S1119
39	Ramesh babu,k.sagar,a .b.venkateshwarlu,d.prabhukumar	Propsing an index for cross-district comparision for citizen e-services provision	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1450.098 2S1119
40	Dr. K.V. Ranga Rao	Remote Health Monitoring Using Internet of Things	The International journal of analytical and experimental	<u>18.0002.IJAEMA.2019.V</u> <u>11I9.208301.4503117</u>

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			modal analysis	
41	D.Venkateshwarlu	Repeated placing produce by extensive confidentiality and differential data	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V11I9.208301.4503123</u>
42	Dr. B.Vijaya Kumar	Secure cloud over data access central	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V11I9.208301.4503118</u>
43	Vijayakumar, B.	Secure medical image processing using chaos and dna encryption enhanced using reversible data hiding	International Journal of Engineering and Advanced Technology	10.35940/ijeat.F1202.0886S19
44	Dr Siddhartha Ghosh , Kandula Neha	Self Learning and Placements	International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM)	<u>http://www.ijeam.com/Published%20Paper/Volume%2054/Issue%201/04.91.pdf</u>
45	Praveen Kumar, Y. Suguna, R. Ghosh, S. Neha, K.	Semantic web mining in retail management system using ANN	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1439.0982S1119
46	M.Venkateswarlu	Smart Trusted Supply Chain Management in Edge Computing	The International journal of analytical and experimental	<u>18.0002.IJAEMA.2019.V11I9.208301.4503109</u>

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		UsingBlockchain Technology	modal analysis	
47	Dr Siddhartha Ghosh , Kandula Neha	Social Media Analytics using Qlik Connectors	International Journal of Recent Technology and Engineering (IJRTE)	https://www.ijrte.org/wp-content/uploads/papers/v8i2S11/B14340982S1119.pdf
48	Deepika, C.H. Swetha, P.	Speech emotion recognition using neural networks	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1432.0982S1119
49	K.Keerthi	TaskScheduling Algorithms in Cloud Environment	The International journal of analytical and experimental modal analysis	18.0002.IJAEMA.2019.V11I9.208301.4503107
50	P Rajashekar	Temporal word Predictor on MicroblogSearch with Kernel Density Estimation	The International journal of analytical and experimental modal analysis	18.0002.IJAEMA.2019.V11I9.208301.4503124
51	Sameerunnisa, S. Jabez, J. Maria Anu, V.	The power of deep learning models Applications	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1468.0982S1119
52	Dr Siddhartha Ghosh , Kandula Neha	Use of Natural User Interface in E-Learning	International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM)	http://ijeam.com/Published%20Paper/Volume%2054/Issue%201/03.90.pdf

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53	Vijayakumar, B. Khond, S.	Wavelet based reversible image watermarking with logistic encryption for health informatics systems	International Journal of Recent Technology and Engineering	10.35940/ijrte.B1443.098 2S1119
54	D.Venkateshw arlu	Web based product quantization approach for approximate nearest neighbor search	The International journal of analytical and experimental modal analysis	<u>18.0002.IJAEMA.2019.V</u> <u>11I9.208301.4503114</u>
55	Dr. K. V. Ranga Rao,	Webpage Previsitation Leveraging Humans's Natural Recall Process	Global Journal of Engineering Science and Researches	10.5281/zenodo.2722710
56	Dr,Siddhartha Ghosh	Wi-Fi Enabled IoT Based Smart Greenhouse	International Journal of Recent Technology and Engineering (IJRTE)	10.35940/ijrte.B1437.098 2S1119
57	Aruna Kumari D	Sentiment Analysis using Feature Based Support Vector Machine – A Proposed Method	International Journal of Recent Technology and Engineering (IJRTE)	DOI: 10.35940/ijrte.B1463.098 2S1119
58	Kollapalli Ramesh Babu,	A RudimentaryFramework for Improving Access to Public Health using ICT	International Journal of Recent Technology and Engineering (IJRTE)	DOI: 10.35940/ijrte.B1465.098 2S1119

59	G.Surekha, Prabhu Mydukuri	Long Short-Term Memory (LSTM) to Predict the Viewability of any Page Depth for any Given Dwell Time	International Journal of Recent Technology and Engineering (IJRTE)	https://www.ijrte.org/wp-content/uploads/papers/v8i4/C4081098319.pdf
60	Sri lakshmi	A Hassle-Free Approach for Manual Timetabling	Alochana Chakra Journal	10.01011.ACJ.2020.V9I5.00068749.01649
61	Sarma, K.S.R.K.	Texture classification using advanced texton texture matrix	International Journal of Advanced Science and Technology	http://serisc.org/journals/index.php/IJAST/article/view/5755/3589
62	Dr. Siddhartha Ghosh , Dr. A Padmaja, Mr Y Praveen Kumar	Strengthening Industry Institute Collaboration and its Outcome	Journal of Engineering Education Transformations	10.16920/jeet/2020/v33i0/150126

Table 5.8.1.4 List of Publications**AY: 2018-19****Total No. of Publications - 14**

S.No	Author	Title	Citation Details	DOI no
1	K.V Ranga Rao	A Disparate Position Approach for Label based Image Recovery	International Journal of Innovative Technology and	file:///C:/Users/VJIT/Downloads/2338-6644-1-PB.pdf

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			Research	
2	M.Vijaya	A Framework for allowing Key Word search policies in Cloud by using Public Key Searchable Encryption Schema	International Journal of Research	http://ijrpublisher.com/gallery/91-november-2018.pdf
3	K.V Ranga Rao V.ANUSHA	A Secure And Progressive Multi keyword Quest Scan Plan Over Encrypted Cloud Data	International Journal for Innovative Engineering and Technology	10.48047/IJIEMR
4	B.Thikkana	An Efficient Virtual Machine Placement for Load Balancing in Cloud Computing	International Journal of Research	https://1library.net/document/yromvnoy-efficient-virtual-machine-placement-load-balancing-cloud-computing.html
5	Dr B Vijayakumar	An energy efficient ANT base routing algorithm for wireless sensor networks	International Journal of Pure and Applied Mathematics(IJPA M)	10.12732/ijpam.v11i11.25
6	Venkat Ritesh Ghanta, Dr.K.V. Ranga Rao, A. Ravikumar, . Kumaraiah	Detection And Decoding Of Ask Signals Using An Sdr Receiver	COMPUSOFT An International Journal of Advanced Computer Technology (COMPUSOFT	file:///C:/Users/VJIT/Downloads/740-Article%20Text-2501-3-10-20181026.pdf

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			IJACT)	
7	Dr.D.Aruna Kumari	Economically elette Initiative users for Guide inflation Mod general networks	International Journal of Innovative Technology and Research	http://www.ijitr.com/index.php/ojs/article/view/2337/pdf
8	Arifa Tehseen	Improving The Security Of Medical Images By Implementing Encryption And Compression Techniques	Global Journal Of Engineering Science And Researches	10.5281/zenodo.1342515
9	Dr B Vijayakumar	Selective Medical Image Watermarking And Encryption For Image Security	International Journal of Pure and Applied Mathematics	https://acadpubl.eu/jsi/2018-118-14-15/articles/14/28.pdf
10	Dr Siddhartha Ghosh , Kandula Neha	Measuring Health Status at workplace	Global Journal of Engineering Science and Researches GJESR	DOI- 10.5281/zenodo.1441091
11	Dr B Vijayakumar	Caching and network related solutions for4G to 5G technology in wireless communication	Journal of Mechanic of Continua and Mathematical Sciences(JMCMS)	https://doi.org/10.26782/jmcms.2019.04.00031

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12	Dr. K. V. Ranga Rao, V. Shiva Narayana Reddy	E-Bidding Process System	Global Journal of Engineering Science and Researches	DOI- 10.5281/zenodo.2722534
13	Kosalendra.Ee thamakula, V. Sridhar, K. V. Ranga Rao, Sudipta Ghosh,	Energy Efficient Wireless Sensor Networks Using Turbo Decoder Architecture :LOG-MBCJR	Journal of Mechanics of Continua and Mathematical Sciences	https://doi.org/10.26782/jmcms.2019.04.00004
14	Dr.K.V.Ranga Rao, G.Ravi kumar, R.Kumaraiah, Sudipta Ghosh,	Gas Leakage Alerting System	Journal of Mechanics of Continua and Mathematical Sciences	https://doi.org/10.26782/jmcms.2019.04.00015

5.8.1.5 List of Publications

Book/Book Chapters Published:

S.No	Name of Faculty	Title of the Book / Book Chapter	Book / Book Chapter	Book Publication Details	Date of Publication
1	Dr Siddhartha Ghosh & Kandula Neha	Sales Analysis and Performance of super store using Qlik Geo Analytics	Lecture Notes in Network System	978-981-15-3338-9	2019

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List of Ph.D. Students Guiding

SI. No	Name of The Faculty	Year of Registration	Area of Research	Scholar Name	University
1	Dr.B.Vijayakumar	2019	Image Processing	Konka Kishan	JNTUH
2		2016	Cloud Computing	Smitha Khond	PACIFIC
3		2017	Image Processing	Dewakar	PACIFIC
4		2017	Data Mining	B.Srinivasulu	GITAM
5		2017	Big Data	P.Rajashekar	GITAM
6	Dr.D.Aruna Kumari	2015	Smart grid on IOT	Radhika	KLU
7		2015	Sentiment Analysis	Depali Lende	KLU
8		2015	Data Mining for Stock Reduction	Prakash Rathod	KLU

2	Y. Praveen Kumar, Suguna	Review of Semantic Web Mining in Retail Management System Using Artificial Neural Network	Learning and Analytics in Intelligent Systems book series	978-3-030-24322-7	2019
3	KSRK Sarma	Data Structures Through C	BH International Publications	978-81-943281-4-8	2019
4	Dr Siddhartha Ghosh	Strengthening Industry Institute collaboration and its outcome	Seventh International Conference on Transformations in Engineering Education	2394-1707	2020
5	Narayana, P. Parvataneni, P. Keerthi, K.	A Research on Various Scheduling Strategies in Fog Computing Environment	2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE)	978-1-7281-4142-8	2020

Table 5.8.1.6 List of Ph.D. Students Guidance.

S.No	Faculty Name	Guide Name	Research Area	Research Title	Year of Registration	University Name	Year of Completion
1	K.Ramesh Babu	Dr Vineet Padmanabhan Nair	Network Security	DNSSEC: Verification, Validation and Proposal for Enhancement.	2008	HCU	2018-19
2	Smitha Khond	Dr.B.Vijayakumar	Cloud Computing	Innovative Techniques of Encryption and Digital Watermarking for Secure Medical Image Transmission	2016	PACIFIC	2020-21

Table 5.8.1.6 List of Ph.D. Awardee

S.No.	Name of the faculty	Year of registration	University Registered
1	Abdul Majeed	29/09/2021	PACIFIC
2	Mrs. B Sailaja	23/10/2018	JNTUH
3	Mr. Y Prabhu Kumar	12/7/2018	KLU
4	Mrs. P Swetha	12/7/2018	KLU

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5	Mr. B Vikas	12/7/2018	KLU
6	Mrs. G Kalpana	20/08/2018	OU
7	Mrs. K Samatha	14/12/2018	ANNAMALAI
8	Mrs. CH Deepika	03/01/2018	KLU
9	Mr. Zaheer Ahmed	20/09/2017	VELTECH
10	Mr. Y Praveen Kumar	06/06/2017	VELTECH
11	Mr. P Rajashekar	10/04/2017	GITAM
12	Mr. K Srinivas	30/06/2017	JNTUA
13	Mr. B Srinivasulu	10/04/2017	GITAM
14	Mrs. A Swarna Reddy	2/07/2016	JNTUH
15	Mr. KSRK Sarma	20/06/2014	JNTUA
16	Mr. RRS Ravi Kumar	22/03/2013	GITAM
17	Mr. D Venkateshwarlu	09/09/2011	JNTUH

Table 5.8.1.6 List of Ph.D Registered

5.8.2 Sponsored Research (20)

- Funded research from outside:

(Provide a list with Project Title, Funding Agency, Amount and Duration) Funding Amount (Cumulative during CAYm1, CAYm2 and CAYm3):

Amount > 50 Lakh – 20 Marks,

Amount > 40 and < 50 Lakh – 15 Marks,

Amount > 30 and < 40 Lakh – 10 Marks,

Amount > 15 and < 30 Lakh – 5 Marks,

Amount < 15 Lakh – 0 Marks

Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government / Non-Government)	Department of Principal Investigator / Co Investigator	Year of Award	Funds provided (INR in lakhs)	Duration of the project	AY
Dr. K. Ramesh Babu	TEQIP-III, JNTUH	Government	CSE	2019-20	275000	2 Years	2019-20
Dr. D. ArunaKumari	RCI-DRDO	Government	CSE	2017-18	10,00,000	3 Years	2017-18

5.8.2 List of Sponsored Research

5.8.3. Development activities (15)

Product Development

1. *Research laboratories*
2. *Instructional materials*
3. *Working models/charts/monogram sets*

Department conducts many vibrant activities such as

- Product development, hackathons, Project Exhibitions, Value Added Courses, Social Welfare activities etc.
- Department has well equipped research laboratories
- Instructional materials are given for active learning and assessment in Google Class rooms
- Working models, Charts are incorporated in our Teaching learning process.

5.8.3.1 Product Development

Summary of Product Development Details: 2020-2021

SI. No	Product/Application Name	Objective of the Product/Application
1	Attendance Calci	This app allows you to store your daily attendance in the easiest way possible. It helps to calculate your attendance percentages easily and accurately.
2	QR Helper	A QR code is a pattern of black and white squares that can be read by a smart phone
3	Versant Online solutions Pvt. Ltd	The application provides organizers and delegates with information about trade fairs

Table 5.8.3.1.1 List of Product Development

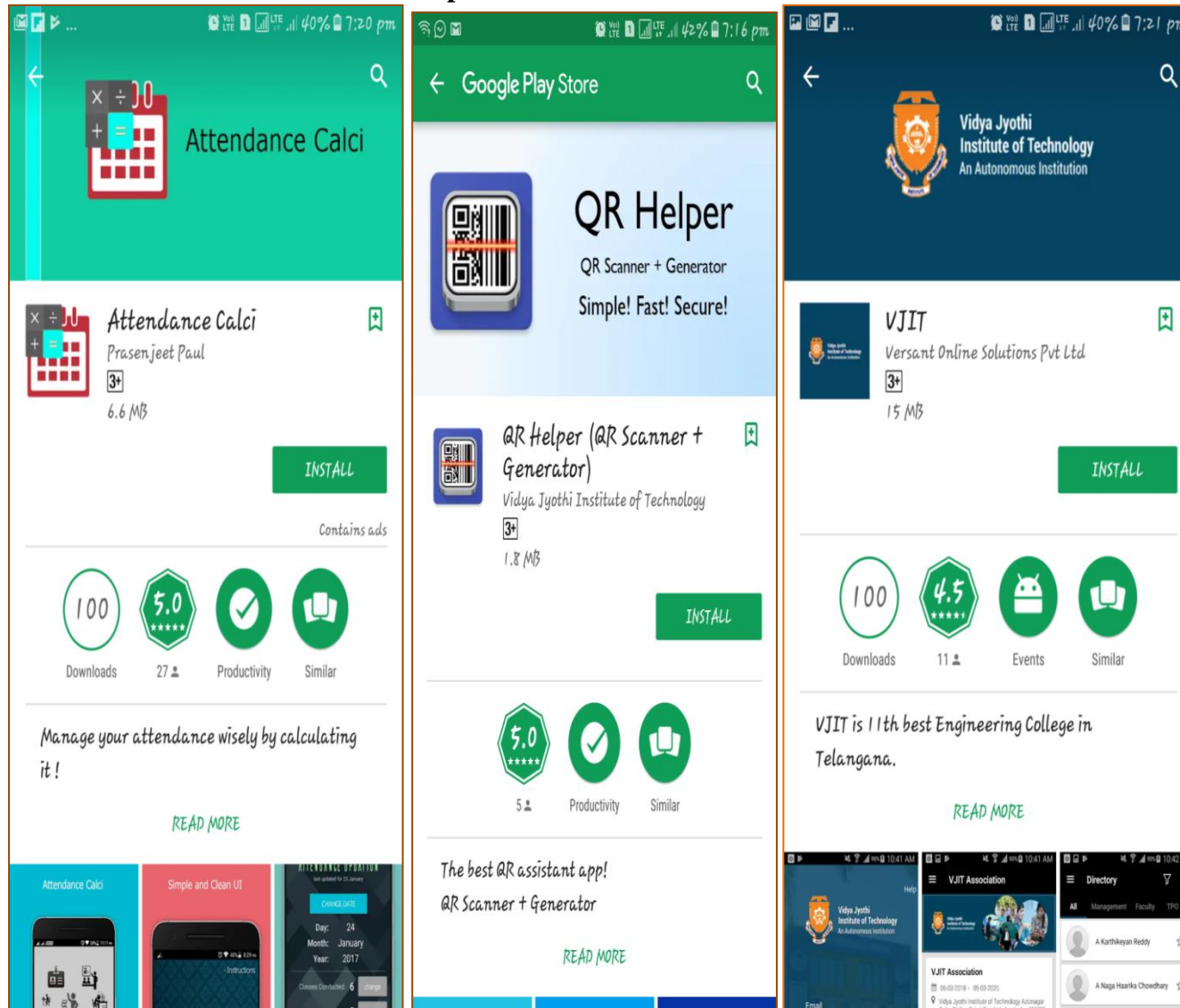
Summary of Product Development Details: 2019-2020

Sl. NO	Product/Application Name	Objective of the Product/Application
1	Grievance Handling	Handles the Grievances of students
2	Open Elective Options	This app helps the student to choose Open Electives
3	Generative chatbot using recurrent Neural Network and NLP	Generative chatbot using recurrent Neural Network and NLP
4	Reliability Improvement of Radial Distribution System with Smart Grid Technology	Reliability Improvement of Radial Distribution System with Smart Grid Technology
5	Online Feedback System	This System is totally anonymous for the admin, which will allow students to give more genuine feedback.

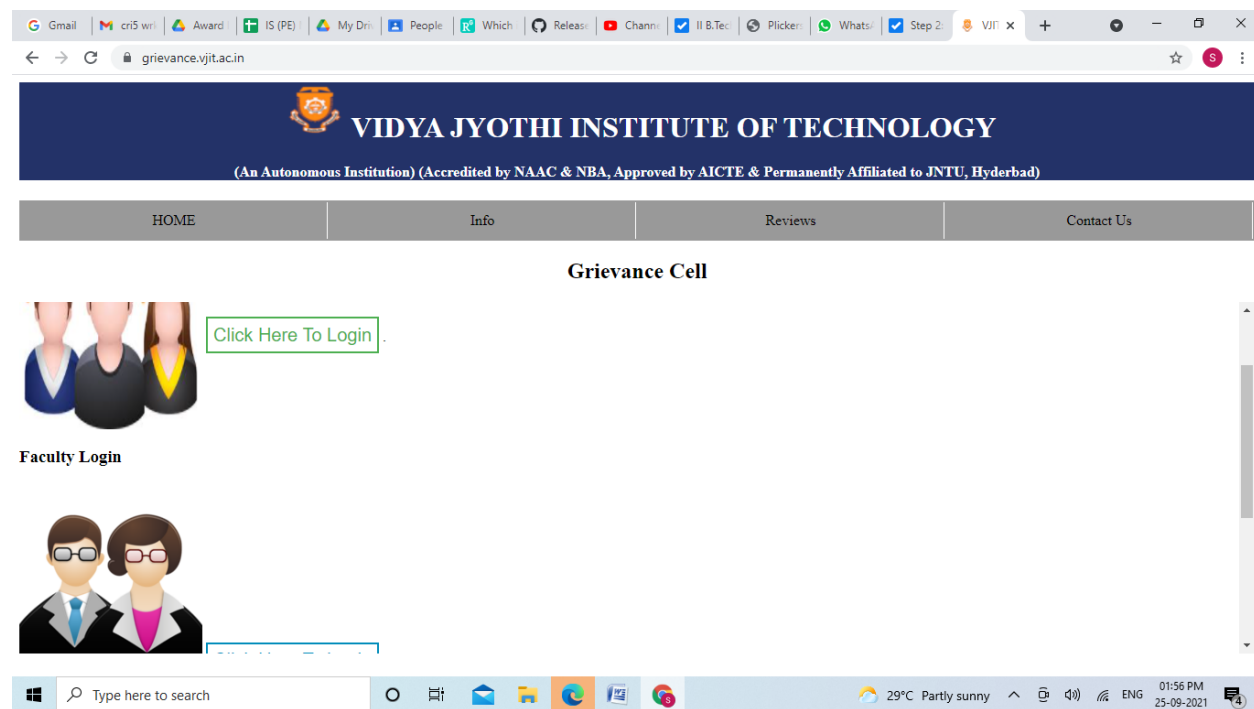
Table 5.8.3.1.2 List of Product Development**Summary of Product Development Details: 2018-2019**

Sl. No	Product/Application Name	Objective of the Product/Application
1	Fake News Detection using Naïve Bayes Classifier	Developed for detecting fake news on social media applications. It uses Naïve Bayes classification logistic regression for detection and is implemented using Python
2	Blind Man's Eye	This was developed for assisting blind people to walk by detecting objects and alerting the user. It was implemented using IoT
3	Pet ME	This was developed for monitoring pets and detecting their mood and alert us so that we attend the pets accordingly

5.8.3.1.3 List of Product Development



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5.8.3.2 Research Laboratories:

The following R&D Groups are the established in the department

5.8.3.2.1 List of Research Laboratories

Sl. No	Name of The Research Laboratory	Activities
1	Internet of Things	<ul style="list-style-type: none">One Day Workshop on C and C++ ”, 29th Feb, 2020 by Teaching Learning Center, IIT Bombay

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		<ul style="list-style-type: none"> • One Day Workshop on Arduino”, 8th Feb, 2020 by Teaching Learning Center, IIT Bombay • One Day Workshop on R on 9th Nov, 2019 by IIT Bombay • Workshop on Sensor Things for Networks, Internet of Things and Internet of Everything on 8th to 10th Aug, 2019 • Organized a two day Hackathon through J-Hub on 2nd & 3rd February 2019. • MoU with TASK, Technolexis Pvt. Ltd. • Placements for students conducted by TASK on 8th January, 2018 <p>20 students out of 29 registered participated</p> <ol style="list-style-type: none"> i. A centralized Hackathon with 150 students from 5 colleges held on 20th & 22nd may, 2017 ii. A centralized Hackathon with 37 students from 5 colleges held on 23rd & 24th Sep,2017 <ul style="list-style-type: none"> • Conducted Two Day workshop on IOT 20th & 21st Feb,2017 <ol style="list-style-type: none"> ii. 29th & 30th July,2017
2	Image Processing & Network Security	<ul style="list-style-type: none"> • ‘The J-Hub Hackathon – 2020, from 31st January to 1st February 2020 • Organized an ‘Internal Hackathon’ on 21st December, 2019 • Conducted Two Day Ethical Hacking workshop on 20th & 21st Oct,2016 • In depth security Workshop on Ethical Hacking on 12th &13th Mar 2015 • A Two Day National Level Workshop on Hacking Essentials on 20th & 21st February, 2014 • Ethical Hacking & Information Security on 2nd March, 2013
3	Big Data & Cloud Computing	<ul style="list-style-type: none"> • Hands-on Workshop on “Google Cloud Study Jam” was conducted on 22nd August, 2019. • International Conference on “Computational Intelligence and Data Engineering (ICCIDE)”- 2019 during

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		<p>4th – 6th , July 2019.</p> <ul style="list-style-type: none">• National level Faculty Development Program (FDP) on “Virtualization and Cloud Computing” in association with NIT Warangal during 20th -25th May 2019,• Conducted a National Conference on Jan 4th & 5th ,2017 MOU With Qlik Sense
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Research Center:

JNTUH has sanctioned a Research Centre in the department of Computer Science & Engineering. It started functioning since May 2019 with various R&D activities that are promoted, encouraged and appraised by VJIT.

The CSE-Research Centre is implementing a wide range of activities such as promoting applied and basic research, technology development, establishing Professional chapters, centers of excellence, honing and cultivating appropriate research skills within faculty and students through Conferences, Workshops and Short Term Training Programs (STTPs), promoting faculties to submit research proposals for different funding agencies like All India Council for Technical Education (AICTE), Department of Science & Technology (DST). Encouraging faculty and students to publish research papers in various standard Journals like Scopus, Springer and UGC recognized Journals.

Mr. K.Kishan, a research scholar bearing roll no 1991PH0601 has been allotted to CSE-Research Centre in the month of November 2019 and he is presently working under the guidance of Dr. B.Vijayakumar, in the domain of Digital Image processing. He is presently doing literature survey, completed Ph.D-course work and has written Pre Ph.D Exams. He has communicated 1 review paper to Scopus Journal and is waiting for approval. The Research Center has taken enough measures to improve the R&D quality in multifaceted dimensions.

Research Lab's:



Figure 5.8.3.2.2 Research Laboratories

5.8.3.3 Instructional Materials:

The instructional materials of each course are available in the college DSpace link <http://172.18.0.131/jspui/handle/1/2981> provided to students. Students can access at any time. Department owns a youtube channel https://www.youtube.com/channel/UCY4tqSOrrTTFZg6A3E_6GQ.

Assignments are made available through Google doc, Canvas.

- Development of Course files
- Development of video lectures by department faculty

SI. No	Faculty Name	Subject	Instructional Material
1	Dr.B.Vijaya Kumar	OOPs Through JAVA	Video Lectures
2	Dr.D.Aruna Kumari	Compiler Design	Video Lectures
3	Dr.K.Ramesh Babu	Computer Organization	Video Lectures
4	Mr.D.Venkateshwarlu	Internet of Things	Video Lectures
5	Mr. M.Tarakeshwar Rao	Java Programming	Video Lectures
6	Mr. KSRK Sarma	Design Analysis and Algorithms	Video Lectures
7	Ms. A.Swarna Reddy	Software Engineering	Video Lectures
8	Mr. Y.Prabhu Kumar	Data Warehousing and Data Mining	Video Lectures
9	Ms. G.Surekha	Object Oriented and Analysis Design	Video Lectures
10	Ms. M.Vijaya	Compiler Design	Video Lectures

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11	Ms. B.Sailaja	Design Analysis and Algorithms	Video Lectures
12	Ms. S.Divya	Data Base Management System	Video Lectures
13	Dr. Ravi Mathey	Information Security	Video Lectures
14	Mr.Y.Praveen Kumar	Computer Networks	Video Lectures

Table 5.8.3.3 List of Instructional Materials

- MOODLE (Modular Object Oriented Dynamic Learning Environment)
- Google Classroom
- Canvas Instructure
- Youtube
- Mentimeter(Online Quiz/Poll)

Google Classroom: Material, Assignments.

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The screenshot displays the Google Classroom interface for a course titled "II B.Tech(2018-22) CSE-B". The "Classwork" tab is selected, showing a list of materials under the "All topics" section. The materials are organized into a table with columns for the material name, posting date, and a menu icon.

Material Name	Posted Date	Menu
DBMS_Handouts_Unit_V	Posted Oct 19, 2020	⋮
DBMS_Handouts_Unit_IV	Posted Oct 19, 2020	⋮
DBMS_Handout_Unit_III	Posted Oct 19, 2020	⋮
DBMS_Handouts_Unit_II	Posted Oct 19, 2020	⋮
DBMS_Handouts_Unit_I	Posted Oct 19, 2020	⋮

Below the "All topics" section, there is a section titled "Serializable" with a menu icon (⋮). Under this section, there is an assignment titled "Assg2: Serializable" with a due date of "Due May 5, 2020" and a menu icon (⋮).

The interface includes a top navigation bar with tabs for "Stream", "Classwork", "People", and "Grades". A "Create" button is visible at the top left of the main content area. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 01:22 PM on 26-10-2021.

Figure 5.8.3.3.1 Course Material in Google Classroom

The screenshot shows a Google Classroom interface within a web browser. The browser's address bar displays the URL: `classroom.google.com/w/Njk1MTEyMjUzNzda/t/all`. The page header identifies the class as 'II B.Tech(2018-22) CSE-B'. Navigation tabs include 'Stream', 'Classwork' (which is selected), 'People', and 'Grades'. The assignment title is 'Assg2: Serializable', posted on 'Apr 27, 2020', with a due date of 'May 5, 2020'. The instructions specify a handwritten assignment with roll numbers and file format requirements. A progress table shows 0 turned in, 15 assigned, and 12 graded. A file named 'Assignment_2.JPG' is attached. A 'View assignment' link is at the bottom of the assignment card. The Windows taskbar at the bottom shows the time as 01:24 PM on 26-10-2021.

Turned in	Assigned	Graded
0	15	12

Figure 5.8.3.3.2 Assignment given in Google Classroom

Canvas: Assignment Given to the Students:

The screenshot shows a web browser window with the Canvas LMS interface. The address bar shows the URL: canvas.instructure.com/courses/2251349/assignments/16904864. The page title is "Assignment-5 Convert Infix to Postfix and Prefix expressions". The assignment is marked as "Published". The main content area contains the following text:

Convert the Following infix Expression to Post fix and Prefix expression using Stack

1. $(A + B) * (C + D)$
2. $(A - B/C) * (A/K-L)$
3. $(1+4/2*1+2)*3/2$
4. $9*(12+4)/5*6$
5. $(a*b/c)-(d^e+f)$

Take the screenshots of the solutions ,save in one file and upload

Points: 10
Submitting: a file upload

Related Items:

- SpeedGrader™
- Download Submissions

30 out of 30 Submissions Graded

Activate Windows
Go to Settings to activate Windows.

Figure 5.8.3.3 Assignments given in Canvas

Sample Assignment submitted by student

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DS Assignment

1. Convert the following infix expressions to postfix expressions

(i) $(A+B) * (C+D)$

Symbol	stack	postfix expression
((

Submitted: Aug 19, 2020 at 12:44pm
Student Viewed Document: Sep 20, 2020 at 7:06pm
Submitted Files: (click to load)
[5A4 ds assignment.pdf](#)

Assessment
Grade out of 10
10

Assignment Comments
0

Figure 5.8.3.3.4 Assignment submission by students.

Live Lecture videos uploaded in canvas for students reference

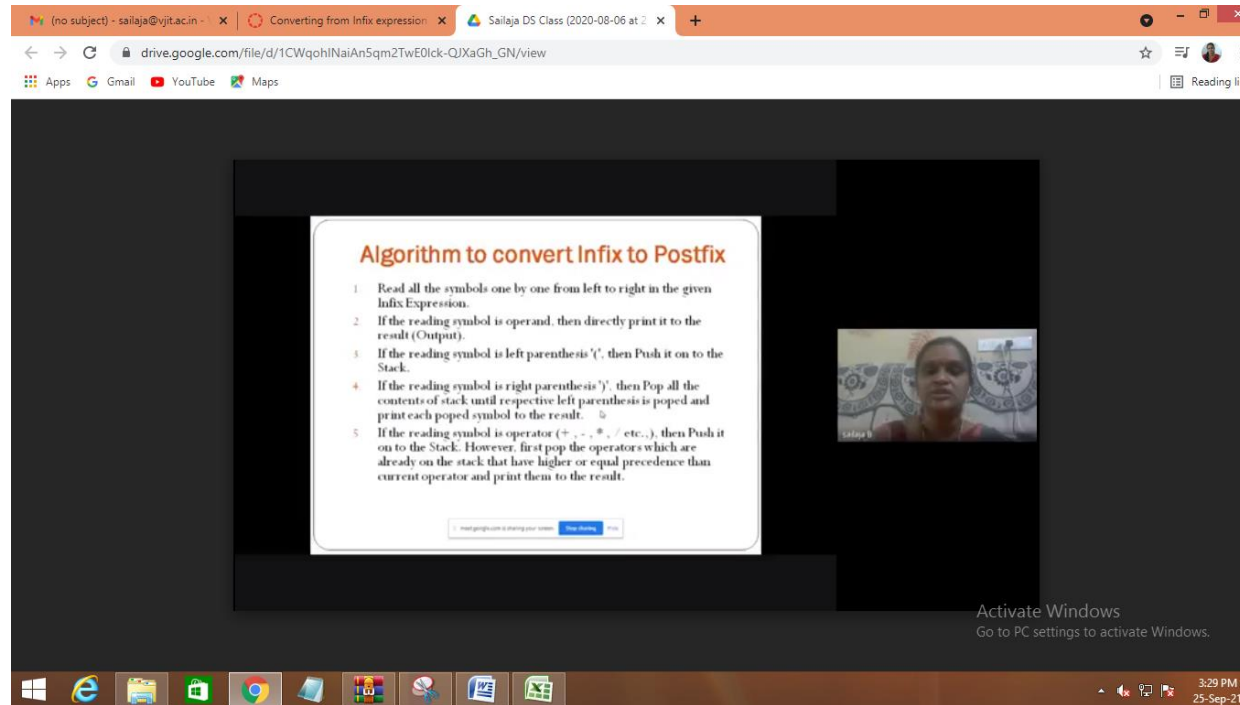


Figure 5.8.3.5 Video Lectures

Online Quiz(mentimeter).

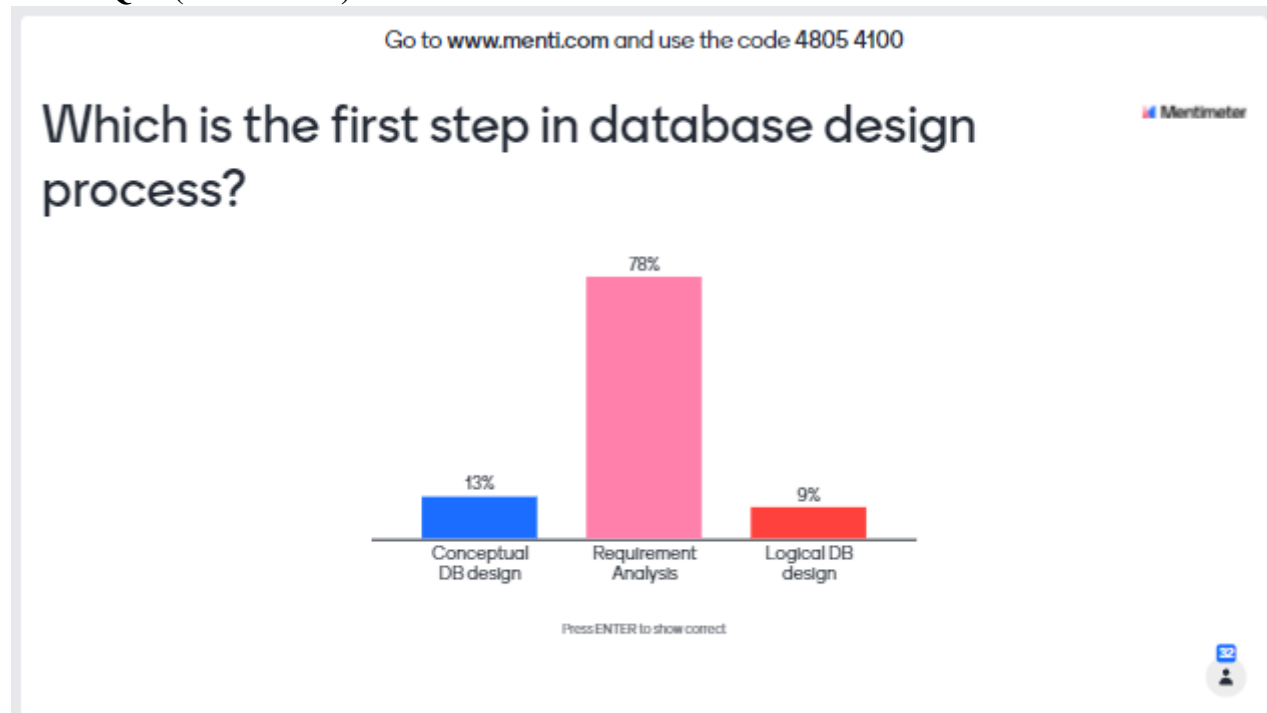


Figure 5.8.3.3.6 Online Quiz via mentimeter

Offline Quiz(Digital Plicker cards)

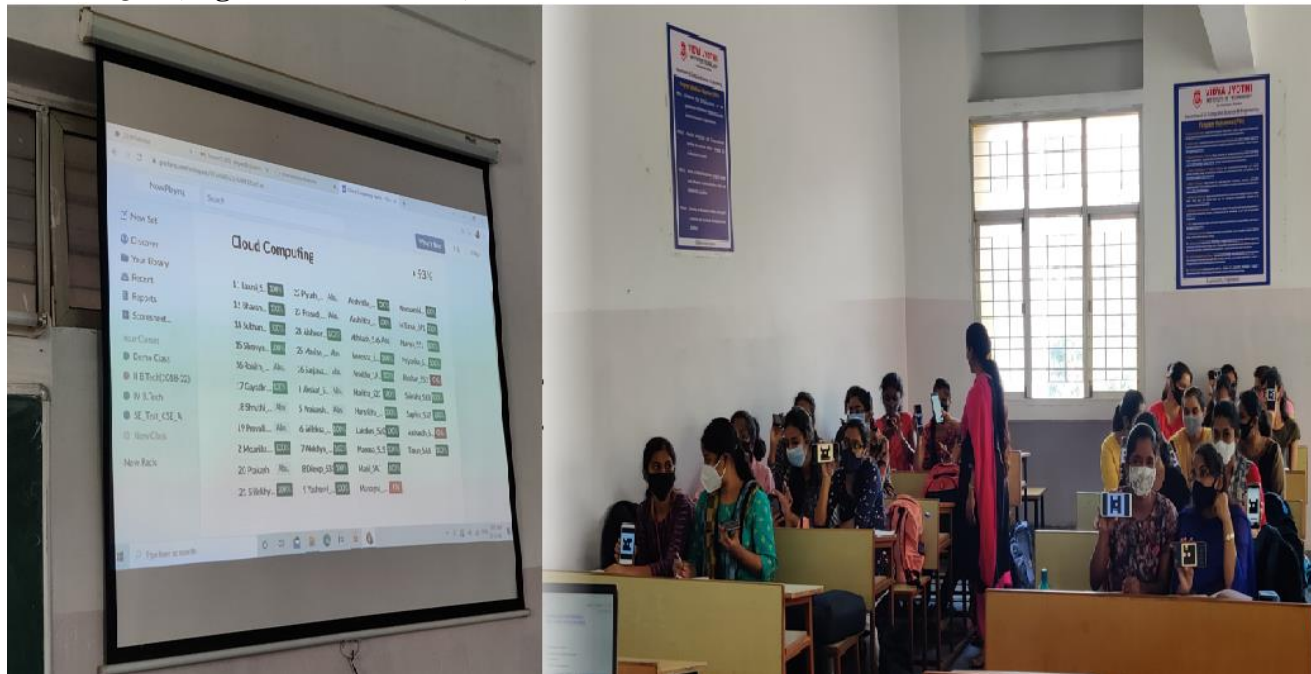
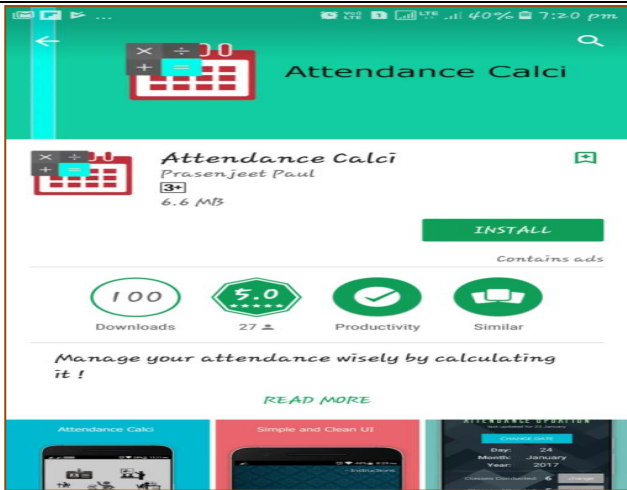


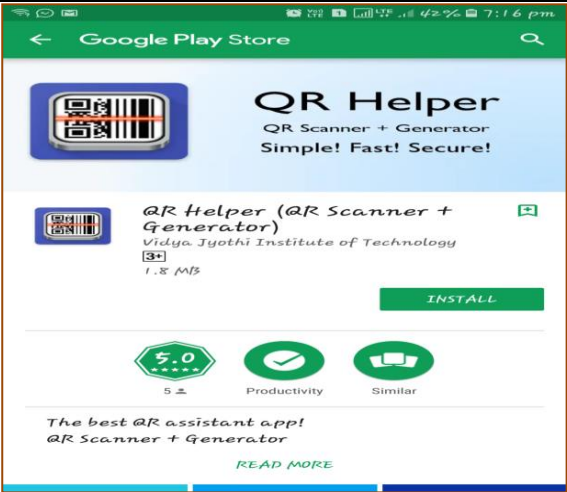
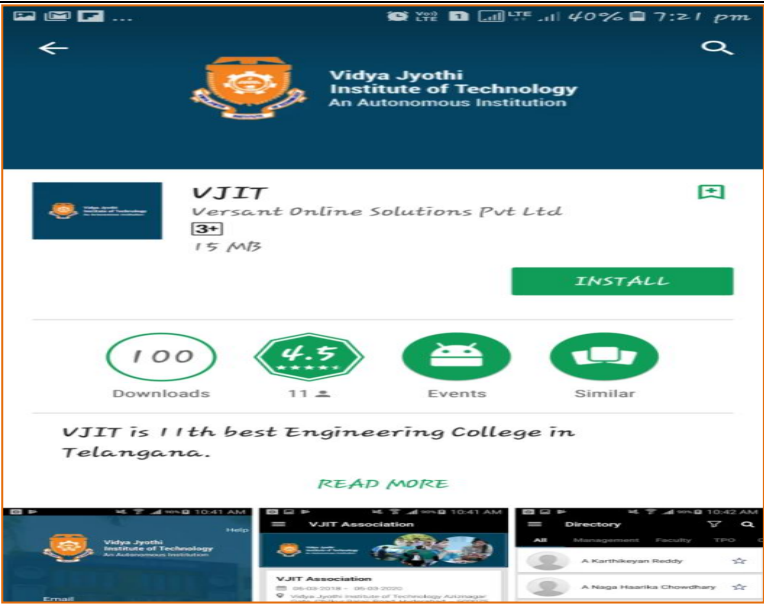
Figure 5.8.3.3.7 Offline Quiz via Plickers

5.8.3.4 Working Models/Charts/Monograms Etc.

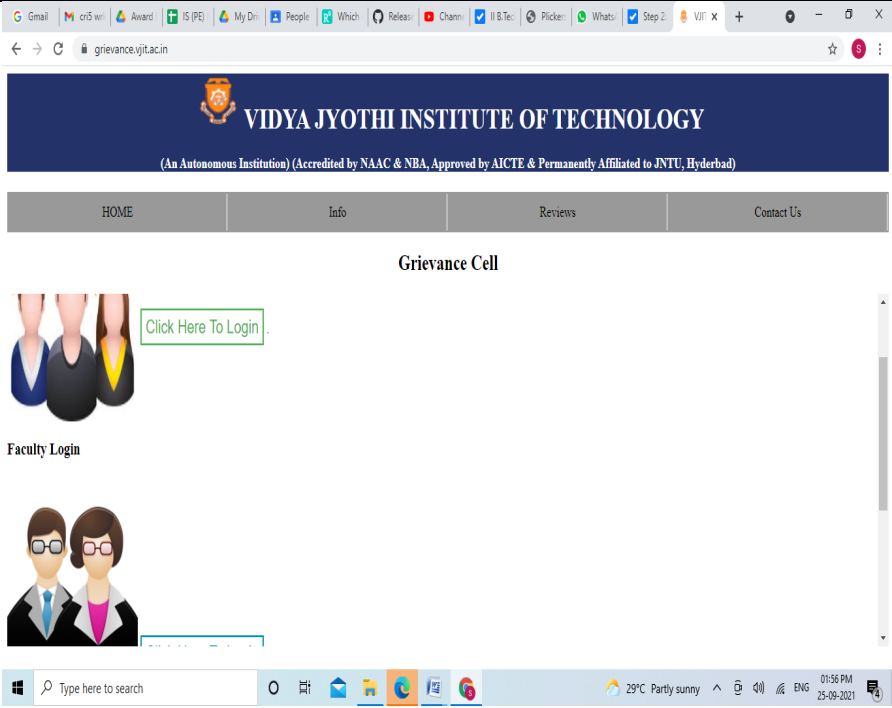
Working Models:

S.No	Name of the Working Model	Model
1	Attendance Calci	

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2	QR Helper	 <p>QR Helper (QR Scanner + Generator) Vidya Jyothi Institute of Technology 5.0 1.8 MB</p> <p>INSTALL</p> <p>5.0 5 Productivity Similar</p> <p>The best QR assistant app! QR Scanner + Generator READ MORE</p>
3	Versant Online solutions Pvt. Ltd	 <p>VJIT Versant Online Solutions Pvt Ltd 4.5 15 MB</p> <p>INSTALL</p> <p>100 Downloads 4.5 11 Events Similar</p> <p>VJIT is 11th best Engineering College in Telangana. READ MORE</p> <p>Vidya Jyothi Institute of Technology VJIT Association Directory A. Karthikeyan Reddy A. Naga Harika Choudhary</p>

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4	Grievance Handling	
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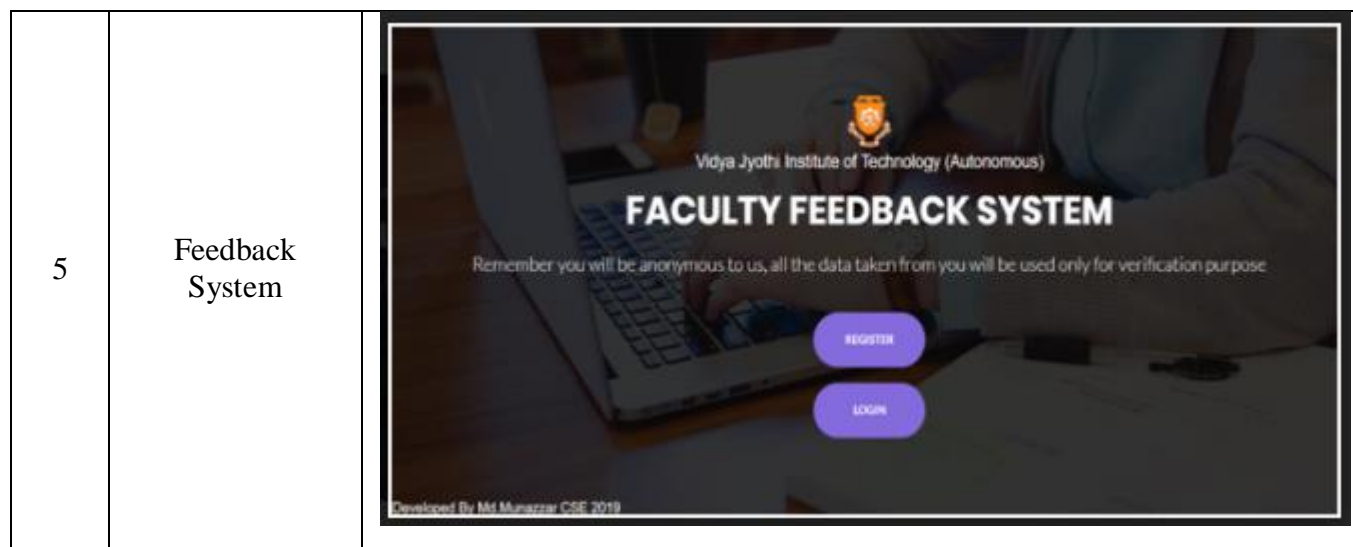


Table 5.8.3.4.1 List of Working Models

Sl.No	Faculty Name	Subject	Charts
1	Dr. B.Vijayakumar	Data Structures	Introduction To Data Structures
2	Dr.Ravi Mathey	Software Engineering	CMMI Model
3	B.Sailaja	Data Base Management System	DBMS Architecture
4	B.Vikas	Object Oriented Programming	Features of oops
5	K.S.R.K Sarma	Operating System	Block Diagram Of Operating System
6	M.Tarakeshwar Rao	Web Technologies	Basic Html Tags
7	D.Venkatshwarlu	Network Security	Fiestel Cipher Structure
8	A.Swarna Reddy	Object Oriented Analysis & Design	Conceptual Model
9	Y.Prabhu Kumar	Data Warehousing & Data Mining	Data Warehouse Architecture
10	R.Yogesh	Software Testing Methodologies	Process Flow Chart
11	M.Vijaya	Linux Programming	Network & Socket Programming
12	P.Sandhya	Computer Organization	Architecture

Table 5.8.3.4.2 List of Charts



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Department of Computer Science & Engineering

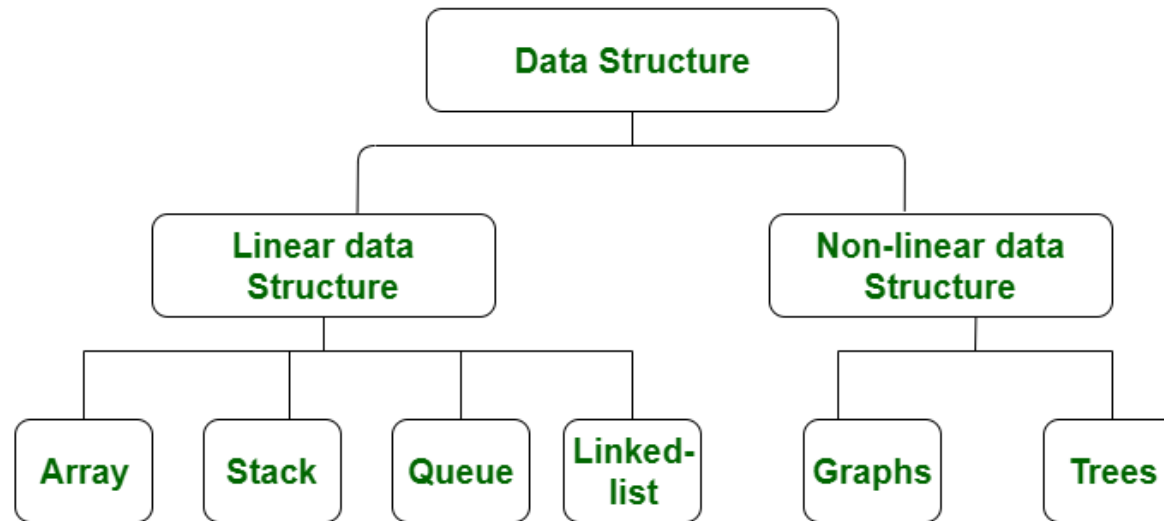


Figure 5.8.3.4.3 Introduction to Data Structures



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
Department of Computer Science & Engineering

Characteristics of the Maturity levels

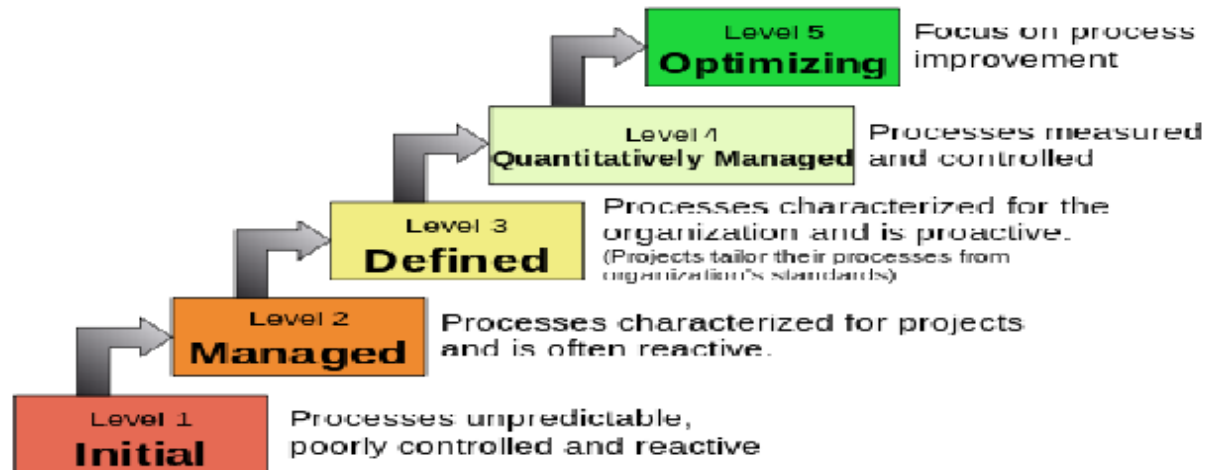


Figure 5.8.3.4.4 CMMI Model

DBMS Architecture



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY Department of Computer Science & Engineering DBMS Architecture

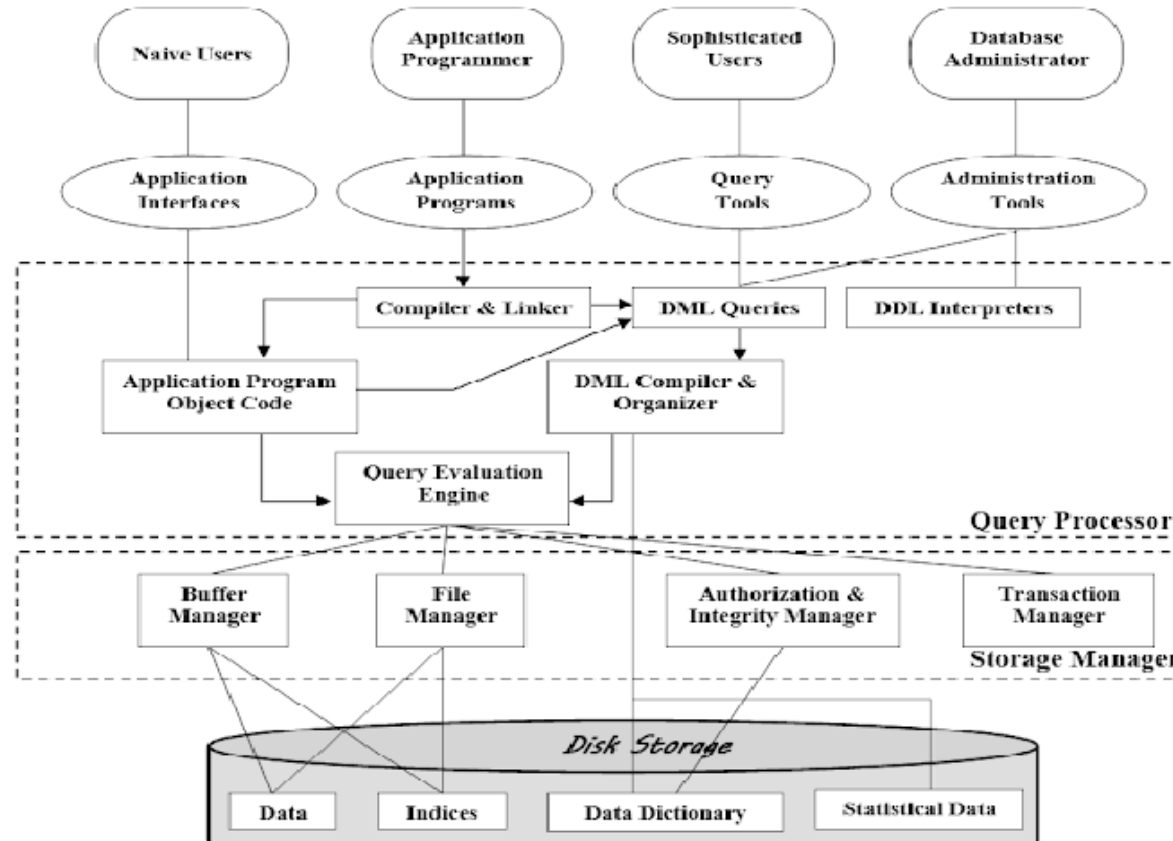


Figure 5.8.3.4.5 DBMS Architecture

Features of oops



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
Department of Computer Science & Engineering

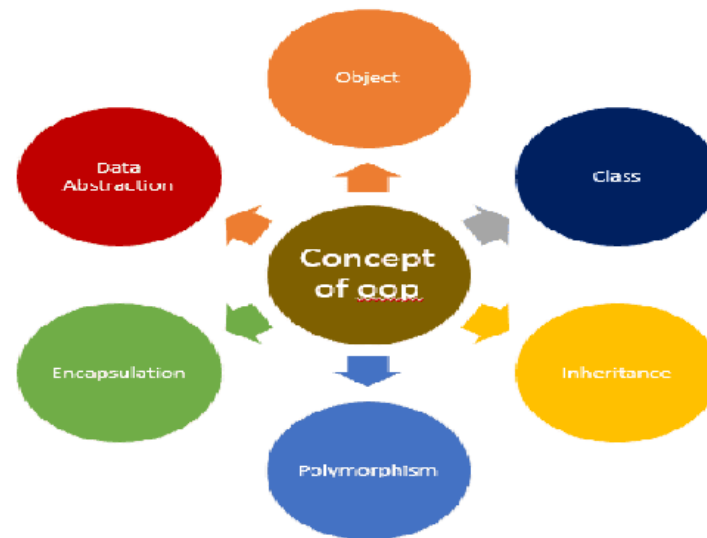


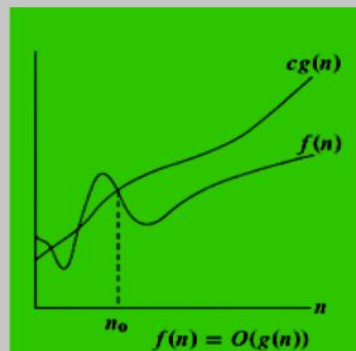
Figure 5.8.3.4.6 Features of oops

Algorithms - Performance Analysis

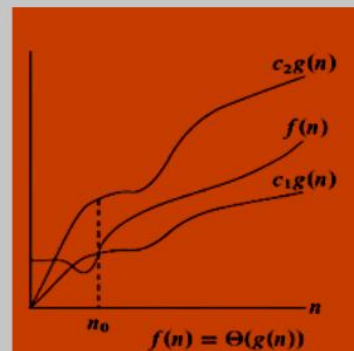


VIDYA JYOTHI
Institute of Technology
AN AUTONOMOUS INSTITUTION

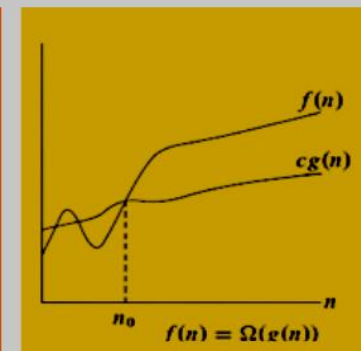
ASYMPTOTIC NOTATIONS



Big Oh Notation

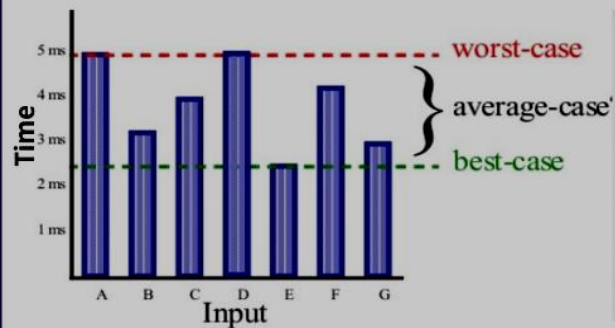


Big Theta Notation



Big Omega Notation

COMPARING SORTING ALGORITHMS ON TIME COMPLEXITIES



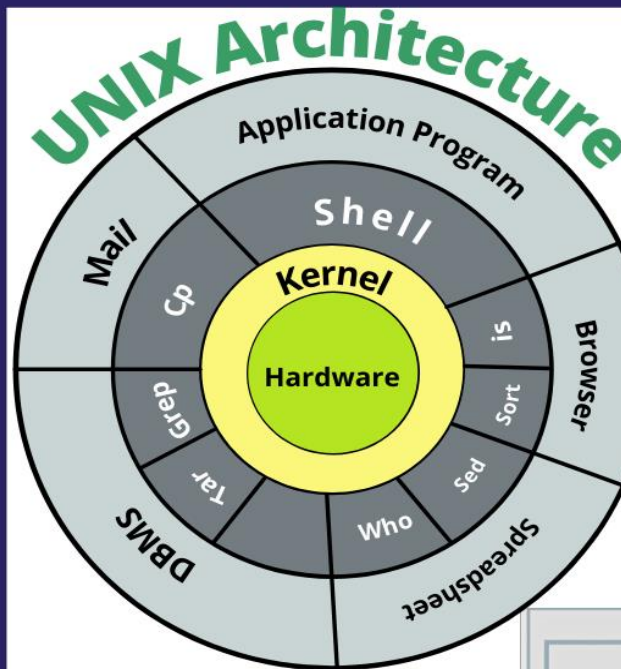
Sorting Algorithms	Time Complexity		
	Best Case	Average Case	Worst Case
Bubble Sort	$O(n)$	$O(n^2)$	$O(n^2)$
Selection Sort	$O(n^2)$	$O(n^2)$	$O(n^2)$
Insertion Sort	$O(n)$	$O(n^2)$	$O(n^2)$
Merge Sort	$O(n \log n)$	$O(n \log n)$	$O(n \log n)$
Quick Sort	$O(n \log n)$	$O(n \log n)$	$O(n^2)$
Heap Sort	$O(n \log n)$	$O(n \log n)$	$O(n \log n)$

Figure 5.8.3.4.7 Algorithms – Performance

Unix / Linux Architecture



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Linux Architecture

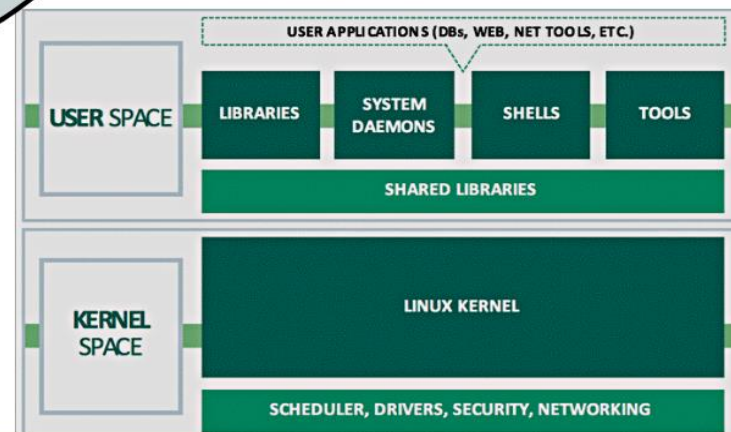


Figure 5.8.3.4.8 Linux Architecture

Monograms:





5.8.4. Consultancy (from Industry) (20)

Funding Amount (Cumulative during CAYm1, CAYm2 and CAYm3):

Amount >10 Lakh – 20 Marks,

Amount 8 Lakh – 15 Marks,

Amount < 8 and > 6 Lakh – 10 Marks,

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Amount < 6 and > 4 Lakh – 5 Marks,

Amount < 4 and > 2 Lakh – 2 Marks,

Amount < 2 Lakh – 0 Mark

2019-2020

Project Title	Duration	Funding Agency	Amount
Supreethi	5		1,22,950
TCS Online	4	TCS ION	2,43,908
JACO Exam	1		37,500
TSPSC	1		15,000
TCS Online	1	TCS ION	14,904
			Total Amount(Y): 4,34,262

Table 5.8.4.1 Consultancy

2018-2019- Table 5.8.4.2 Consultancy

Project Title	Duration	Funding Agency	Amount
NSE IT Limited	1 day		28,175
SATVAT INFOSAL Pvt Limited	1 day		96,021
TCS Online	3 day	TCS ION	1,12,624
TSPSC	1 day		19,100
			Total Amount(Y): 2,55,920

2017-2018- Table 5.8.4.2 Consultancy

Project Title	Duration	Funding Agency	Amount
IT Limited	1		33050
TCS Online	1	TCS ION	216396
APTECH Ltd	3		58500
ICAR unit National Academy of AGRI	2		194300
NSE IT	1		33920
NIELIT	2		106340
NSE IT	1		22650
ACER 2026	1		24000
SATVAT	1		26250
			Total Amount(Y): 7,15,406

5.9. Faculty Performance Appraisal and Development System (FPADS) (10):

The following criteria are considered while implementing Faculty Performance:

Each faculty member is required to submit a self-appraisal report annually on the basis of parameters as teaching hours, number of subjects taught, research papers/articles/books published, conferences attended, papers presented in the conferences, new curricula designed/developed, participation in extracurricular/co-curricular activities, extra responsibilities assigned by the university, and other contributions made towards the society.

Review of the performance appraisal is made by HOD, Director/Principal.

Based on the score achieved by the faculty, financial incentives are provided

Measures taken by the Institution for attracting and retaining eminent faculty

Incentive for Faculty retention

- Faculty with five years of continuous service in the college, are eligible for one additional increment.
- Interest free loans are sanctioned to desired employees repayable in 10 monthly installments.
- Special incentive increments will be sanctioned for five, ten and fifteen years of service in the same cadre.
- Faculty, who scores between 60% - 80% in API score, gets an additional incentive increment of Rs.1000/- per month.
- Faculty who scores more than 80% in API score gets an additional incentive increment of Rs. 2000/- per month.
- Faculty member who has been awarded Ph.D. shall be given an incentive increment of Rs. 3000/- to Rs.8000/- per month.
- If a faculty member publishes a paper in a research journal will be given Rs. 1000/- for first author and Rs.500/- for second author.



Figure 5.9.1: Process for Faculty Performance appraisal

Vidya Jyothi Institute of Technology
ACADEMIC PERFORMANCE INDICATORS
(TEACHING FACULTY)
(To be filled by the candidate)

1. Name : _____
2. Designation : _____
3. Department : _____
4. Date of joining : _____
5. Present Position : _____

1. Teaching Performance indicator:

S.NO	Course/ Semester		Title of the paper taught	No. of classes engaged per week	Result (Pass Percentage)	API Score (Max 20+5)
1.	1 st Sem	Subject-1				
		Subject-2				
		Laboratory				
2.	2 nd Sem	Subject-1				
		Subject-2				

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		Laboratory				
3.	Average of Results					
For taking Teaching Load in excess of UGC norm (max score:5)						

Score based on Results: >90%-20, 80-90%-15 70-80% - 10, <70%-5

2. Students Feedback Indicator:

S.NO	Semester		Title of the paper	Students Feedback Points	API Score (Max 15)
1.	1 st Sem	Subject-1			
		Subject-2			
		Laboratory			
2.	2 nd Sem	Subject-1			
		Subject-2			
		Laboratory			
3.	Average Feedback				

Score based on Students feedback: >9%-15 8-9%-10 7-8% - 5

3. Interactive class room teaching approach (As per NBA): API Score: Max10

In this method, teachers are expected to use the outcome based education system, so that weak students can learn the subject in a better way.

Documentary evidence is to be submitted along with this form

4. Publication of research papers in Journals:

S.NO	Title with Page No's	Journal	ISSN/ ISBN No.	Whether peer reviewed, Impact factor, if any	No. of co-authors	Whether you are the main author	API Score (Max 10)

For publication of each paper -5.

5. Publication of Articles/Chapters in Books:

S.NO	Title with Page No's	Journal	ISSN/ ISBN No.	Whether peer reviewed	No. of co-authors	Whether you are the main author	API Score (Max 5)

6. Participation along with presentation in Conferences/Seminars/Workshops/ Symposia/faculty development programme etc.,(outside the college)

S.NO	Title of the paper presented (if any)	Name of Conference/Seminar	Organization	Whether International/National	API Score (Max 15)

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a) Participation & presentation (per presentation- 7.5)

b) For participation (per participation- 5)

7. Examination duties assigned and performed (other than invigilation duty)

S.NO	Type of examination duty Assigned	Extent to which assigned work was carried out	API Score (Max 5)

8.Co-Curricular/ Extra Curricular duties assigned by the college:

S.NO	Type of Activities assigned by the college	Average Hrs/Week	API Score (Max 5)

9. Assessment of the Teacher by the HOD:

S.NO	Type of work assigned	API Score(Max 10) (Each item carries 2 marks)
a)	Impression about the teaching work of the teacher	
b)	For extending the help in the organization of departmental workshops/seminars	
c)	For counseling the students	

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d)	For mentoring the students	
e)	Any other departmental work assigned by the HOD	

10. Summary of API Scores(Maximum 100):

	Criteria	API score under different Categories	Total API score under different categories
I	Teaching, Learning and Evaluation related activities (1+2+3)		
II	Extension of the subject/ research work (4+5+6)		
III	Co-curricular & extracurricular activities along with HOD assessment (7+8+9)		
Total API Score			

Signature of the Teacher

Signature of the HOD

Signature of the Director

5.10. Visiting/Adjunct/Emeritus Faculty, etc. (10)**AY-2020-21**

Sl. No	Faculty Name	Company Name	Subject	Year	Semester	No. of Hours Taken
1	Mr.Neela Lakshmi	Infosys	WT(PHP)	III	II	26
2	Mr.Md.Inthiyaz	Tech Mahendra	Data Warehousing & Data Mining	IV	I	26

CAY-2019-20

Sl. No	Faculty Name	Company Name	Subject	Year	Semester	No. of Hours Taken
1	Mr.G.Rajesh	Development Bank of Singapore	Linux Programming	III	I	26
2	Mr.P.Venu Madhav Reddy	Zenomics	Data Warehousing & Data Mining	IV	I	24

CAY-2018-19

Sl. No	Faculty Name	Company Name	Subject	Year	Semester	No. of Hours Taken

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1	Mr.N.Hemakumar	Erricsion	Software Testing Methodologies	III	II	30
2	Mr. Nagarajesh Dhade	Dell	Mobile Computing	IV	I	24

CRITERION 6	FACILITIES AND TECHNICAL SUPPORT	80
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6.1. Adequate and well equipped laboratories, and technical manpower (40)

Sl. No.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the Important Equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical Manpower support		
					Name of the Technical Staff	Designation	Qualification
1	Mobile Application Development Lab	33	Dell Optiplex 3050 intel®core™ i3-6100T CPU@3.20GHz, 8 GB RAM, 500 GB HDD, DELL Monitors, Epson X.05 Projector, Cisco 2950 Switch, D-Link 24 Port Switch, Power Grid Online UPS 12.5 KVA	24 hours	Y. Sree Chaitanya	Programmer	B.Tech
					S Venkateswarlu	System Administrator	B.Com, MCSA

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2	Data Mining and Case Tools Lab	33	Dell Optiplex 3050 intel®core™i3-6100T CPU@3.20GHz, 8 GB RAM, 500 GB HDD, DELL Monitors, Epson X.05 Projector, Cisco 2950 Switch, D-Link 24 Port Switch, Power Grid Online UPS 12.5 KVA	24 hours	Y. Sree Chaitanya	Programmer	B.Tech
					S Venkateswarlu	System Administrator	B.Com, MCSA
3	Big Data Analytics Lab(Professional Elective)	32	Dell Optiplex 3050 intel®core™i3-6100T CPU@3.20GHz, 8 GB RAM, 500 GB HDD, DELL Monitors, Epson X.05 Projector, Cisco 2950 Switch, D-Link 24 Port Switch, Power Grid Online UPS 12.5 KVA	12 hours	Y. Sree Chaitanya	Programmer	B.Tech
					S Venkateswarlu	System Administrator	B.Com, MCSA

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4	IoT Lab(Professional Elective)	30	Dell Vostro.3902-Intel® Core™ i3-4160T CPU @ 3.60GHz 4GB RAM,500 GB HDD , IoT Kits, NEC NP100G Projector, D-Link 24 port Switch, Delta 12.5 KVA Online UPS	12 hours	S.Suresh Babu	Programmer	B.Tech
					S Venkateswarlu	System Administrator	B.Com, MCSA
5	Web Technologies Lab	30	Dell Vostro 3653 intel®core™i3-6100 CPU@3.70GHz, 4GB RAM, 500 GB HDD, DELL Monitors, Epson X.05 Projector, Cisco Switch, Numax 20KVA/240V DC Online UPS	24 hours	S.Bhavani	Programmer	MCA
					K Krishna	System Administrator	B.A,MCSA
6	Java Programming Lab	30	Dell Vostro 3653 intel®core™i3-6100 CPU@3.70GHz, 4GB RAM, 500 GB HDD,	24 hours	S.Bhavani	Programmer	MCA

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			DELL Monitors, Epson X.05 Projector, Cisco Switch, Numax 20KVA/240V DC Online UPS		K Krishna	System Administrat or	B.A,MCSA
7	Data Structures and Python Programm ing Lab	30	Dell Vostro 3653 intel®core™i3- 6100 CPU@3.70GHz, 4GB RAM, 500 GB HDD, DELL Monitors, Epson X.05 Projector, Cisco Switch, Numax 20KVA/240V DC Online UPS	24 hours	S.Bhavani	Programmer	MCA
					K Krishna	System Administrat or	B.A,MCSA
8	Computer Networks and Operating System Lab	30	HP Pro 600G6 Desktop , Core - i5 – 10500 ,8 GB RAM, 1 TB HDD, USB KeyBoard and Mouse, HP P22va G4 FHD Monitor, online UPS IGBT NUMAX 20KVA	24 hours	S Anusha	Programmer	B.Tech
					K Krishna	System Administrat or	B.A,MCSA

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9	DBMS Lab	30	HP Pro 600G6 Desktop , Core - i5 – 10500 ,8 GB RAM, 1 TB HDD, USB KeyBoard and Mouse, HP P22va G4 FHD Monitor,online UPS IGBT NUMAX 20KVA	24 hours	S Anusha	Programmer	B.Tech
					K Krishna	System Administrat or	B.A,MCSA
10	Project Lab	30	Acer Veriton Desktop I3-4170, Intel core CPU @3.70 GHz 4GB RAM, 500GB HDD, UPS 10 KVA	24 hours	S Preethi	Programmer	B.Tech
					K Krishna	System Administrat or	B.A,MCSA

Table B: 6.1

6.2. Laboratories Maintenance and Overall Ambiance (10)

Maintenance of Laboratory Equipments

- Hardware engineers regularly visit for maintenance.
- Regular checkup of equipment is carried out at the end of every semester
- As per the requirement minor repairs are carried out by the lab technical staff
- Major repairs are outsourced by following the procedure of the institute
- Each laboratory maintains a stock register detailing the equipment history within it.
- Student's login / logout register is maintained in all laboratories
- Informative notice board containing safety, Do's & Don'ts is properly maintained

Overall Ambience

- All laboratories are well furnished
- All computers are in LAN and with internet access
- All laboratories have sufficient natural light, good ventilation and serene
- Each Lab is equipped with a Projector, white board, Wi-Fi ,and other amenities.
- Labs are equipped with sufficient hardware and software to run program specific curriculum and off program curriculum
- A/Cs is provided to maintain ambient temperature

6.3. Safety Measures in Laboratories (10)

Sl. No.	Name of the Laboratory	Safety Measures
1	CSE LAB-1	<ul style="list-style-type: none">● Installed Fire Extinguishers● First Aid Boxes are kept in the laboratory● MCBs Installed● CCTV camera attached● Anti-virus software is installed● Avoiding the use of cell phones● Permission denied for pen drives● Appropriate storage areas
2	CSE LAB-2	<ul style="list-style-type: none">● Installed Fire Extinguishers● First Aid Boxes are kept in the laboratory● MCBs Installed● CCTV camera attached● Anti-virus software is installed● Avoiding the use of cell phones● Permission denied for pen drives● Appropriate storage areas

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3	CSE LAB-3	<ul style="list-style-type: none">● Installed Fire Extinguishers● First Aid Boxes are kept in the laboratory● MCBs Installed● CCTV camera attached● Anti-virus software is installed● Avoiding the use of cell phones● Permission denied for pen drives● Appropriate storage areas
4	CSE LAB-4	<ul style="list-style-type: none">● Installed Fire Extinguishers● First Aid Boxes are kept in the laboratory● MCBs Installed● CCTV camera attached● Anti-virus software is installed● Avoiding the use of cell phones● Permission denied for pen drives● Appropriate storage areas

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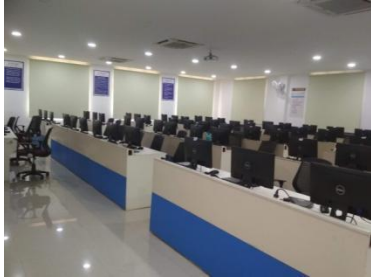
5	CSE LAB-5	<ul style="list-style-type: none">● Installed Fire Extinguishers● First Aid Boxes are kept in the laboratory● MCBs Installed● CCTV camera attached● Anti-virus software is installed● Avoiding the use of cell phones● Permission denied for pen drives● Appropriate storage areas
6	CSE LAB-6	<ul style="list-style-type: none">● Installed Fire Extinguishers● First Aid Boxes are kept in the laboratory● MCBs Installed● CCTV camera attached● Anti-virus software is installed● Avoiding the use of cell phones● Permission denied for pen drives● Appropriate storage areas

NBA SAR

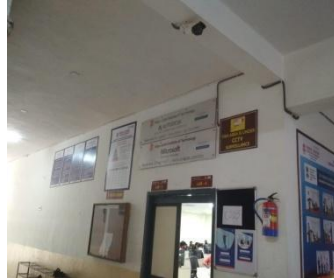
7	CSE LAB-7	<ul style="list-style-type: none">● Installed Fire Extinguishers● First Aid Boxes are kept in the laboratory● MCBs Installed● CCTV camera attached● Anti-virus software is installed● Avoiding the use of cell phones● Permission denied for pen drives● Appropriate storage areas
8	Project Lab	<ul style="list-style-type: none">● Installed Fire Extinguishers● First Aid Boxes are kept in the laboratory● MCBs Installed● CCTV camera attached● Anti-virus software is installed● Avoiding the use of cell phones● Permission denied for pen drives● Appropriate storage areas

Table B: 6.3

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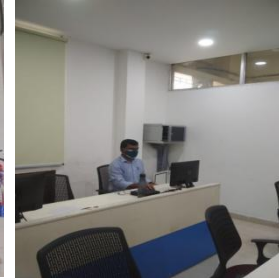
AC



CCTV



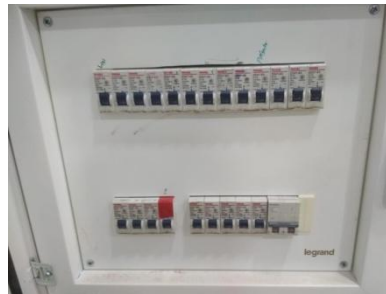
Fire Extinguishers



CCTV Inside Lab



Do's & Don'ts



MCB



Projector

6.4 Project Laboratory (20)

Facilities:

Name of The Laboratory	Equipments	QTY	Softwares Installed
Project Lab	Acer Veriton Desktop I3-4170, Intel core CPU @3.70 GHz 4GB RAM, 500GB HDD	30	Python, JDK, MySQL, Dev C++, WEKA,XAMPP

Utilization:

- B.Tech. Mini & Major projects are carried out by the students in this lab
- M.Tech Students use this Laboratory
- Research scholars and Faculty members also make use of this project laboratory
- Project Laboratory is opened to the students beyond college working hours also

Domain Analysis of projects

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Sl. No	Project Domains	No. of Projects			Mapping with POs/PSOs
		2017-2021	2016-2020	2015-2019	
1.	AI/ML	20	13	12	PO1-PO12, PSO1, PSO2
2	Web	38	35	13	PO1-PO12, PSO1, PSO2
3	Networking	2	3	1	PO1-PO12, PSO1, PSO2
4	Data Mining	1	-	2	PO1-PO12, PSO1, PSO2
5	Cloud Computing	1	1	1	PO1-PO12, PSO1, PSO2
6	Big data	-	-		PO1-PO12, PSO1, PSO2
7	Software Engineering	-	-		PO1-PO12, PSO1, PSO2
8	IoT	3	3	30	PO1-PO12, PSO1, PSO2
9	IP	4	9	6	PO1-PO12, PSO1, PSO2
10	Block chain	-	-	1	PO1-PO12, PSO1, PSO2
Total		69	64	66	

Category Analysis of Projects

All projects carried out by the students are categorized based on types of projects such as application-based projects, research based, and review based.

The summary of the analysis report of the projects is given in the following table.

Analysis Support of projects

Number of projects completed by students of batch 2015-2019 and 2016-2020 categorized as application based and research based

Academic Year	Category of project	
	Application	Research
2017-2021	60	9
2016-2020	52	12
2015-2019	59	7

Best Projects in AY: 2020-21

S. No.	Hall Ticket No:	Name of the Student	Project Title	Name of the Project Guide
1	17911A05H1 17911A05H7 17911A05H8 17911A05D8	R Akhil V Varun Y Krishna Shashank DivyaGariga	Image based attendance System	Dr.B. Vijayakumar
2	17911A05C3 17911A05D1 17911A05E1 17911A05E2	Gowtham Raju Karunakar Reddy G Arun Reddy G Pavan Kumar	Graphical Password-A New Security Primitive based on Python	Mr. SubbarayaSarma PKV
3	17911A05L7	Kodamagullakausthub	Using Ensemble Machine Learning Algorithms for predicting Virus Based Diseases	Mr. M. Tarakeshwar Rao
4	17911A0510 17911A0559	Laxman VithanalaPhanindra	DockerX	Ms. G. Surekha
5	17911A05C2 17911A05F2 17911A05F4 17911A05J3	Sunil Adabala Gautam Sagar Chetan Medabony Bharat Annamaneni	AR View	Dr. B. Vijaya Kumar

Best projects in AY : 2019-2020

S. No.	Hall Ticket No:	Name of the Student	Project Title	Name of the Project Guide
1	16911A05J4 16911A05L5 16911A05N6 16911A05N9	A Sowmitha Reddy K. Sai Srujana Rithika Thakur T. Mayuri	Generative chatbot using recurrent Neural Network and NLP	P Rajashekhar Assistant Professor
2	16911A05P3 16911A05L6 16911A05K6 16911A05P5	T Shresta K Madhuri G Roja Sri V Alekya	Reliability Improvement of Radial Distribution System with Smart Grid Technology	S Divya Assistant Professor
3	16911A05A3	PRADHYUMNA SONI	EDGE ELEMENT CONFIGURATION VALIDATOR	Dr. B. Vijaya Kumar
4	16911A0565 16911A05B5 16911A05B0 16911A05B3	Ayman Eathysham Syed Nusrat Ali Sahil Ramwal SiddarthMadupathi	ResQwalk App	Dr. D. Aruna Kumari

Best projects in AY: 2018-2019

S. No.	Hall Ticket No:	Name of the Student	Project Title	Name of the Project Guide
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1	15911A05C1 15911A05E5 15911A05H2 15911A05H5	A Akshara G Sowmya S Dhayana T Niharika	Providing authentication and security for digital image using watermarking techniques	Dr. B. Vijay Kumar Professor, CSE
2	15E41A0510 15911A05F9 15911A05E1 15911A05D5	K Aditi M Balraj G Sudeeptha C Karthik Jaiswal	Machine Learning: Gesture reading using KINET	Dr. Siddartha Ghosh Professor
3	15911A05L9 15911A05P2 15911A05M0 15911A05M1	K. Amruth Kumar Reddy T. Anuvardhan Reddy M. Shakthidhar Reddy M. Bala Prasad	Blind Man's Eye	Mr. P. Narayana

List of publications out of project works:

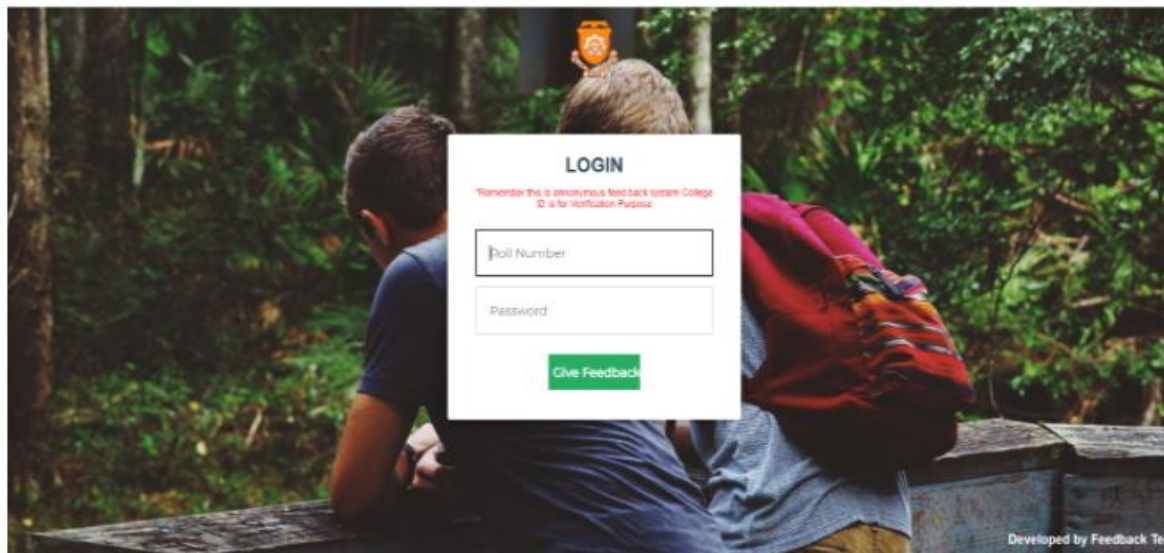
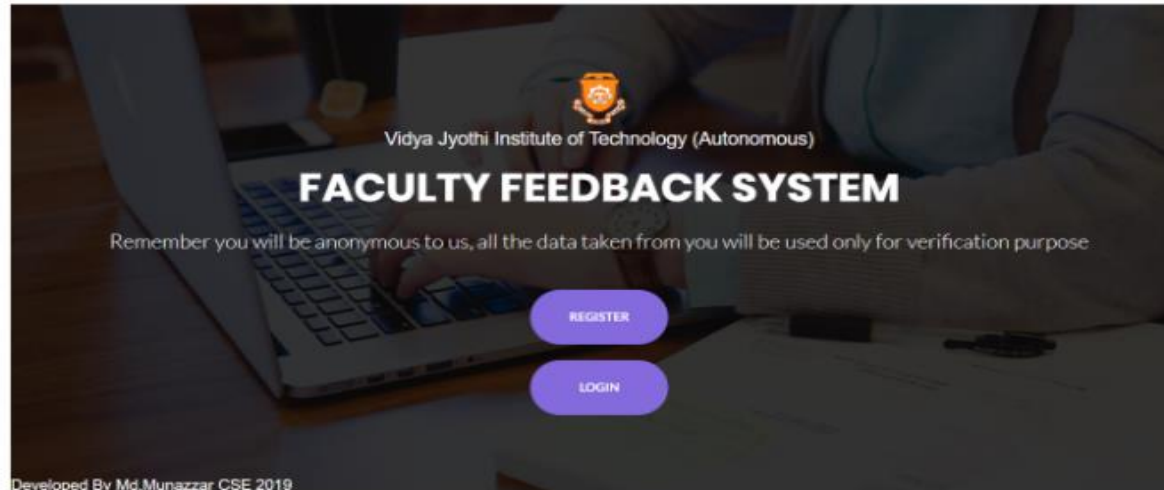
S.No	Name of the Journal	Title of the paper	Name of the author
1	IJSRD - International Journal for Scientific Research & Development	Tweets Emotion Interpretation data application	K.kausthub, KurukundraSreenathreddy
2	International Research Journal of Engineering and Technology (IRJET)	Commercial sales Prediction using multiple linear regression	Kodamagula Kausthub
3	International Journal of Recent Technology and Engineering (IJRTE)	Faculty Feedback Analysis System with EfficientGraph-Based Reports	Mohammed Munazzaruddin, Dhandaria Neelam, Mohammed Mateen, Rizwan Khan
4	International Journal of Recent Technology and Engineering (IJRTE)	Enimo-Energy Conservation System	M SriTeja, Ashfaq Nisar, K Vinay Kumar Reddy, G Vamshi Krishna
5	IEEE 8 th International Conference on Advanced computing	Emotion Recognising Assistant	G. Niharika
6	IEEE 8 th International Conference on Advanced computing	Sentiment Analysis- PETME	Y. Mahendra Rohit

Projects hosted at VJIT by Students

S. No	Projects hosted at VJIT by Students	Student rollno
1	Faculty feedback analysis system www.vjitfeedback.com	15911A05M4 15911A05M3 15911A05K1 15911A05N6
2	Online Grievance Cell www.grievance.vjit.ac.in	16911A0548

Completed Projects working prototypes





CRITERION 7	CONTINUOUS IMPROVEMENT	75
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7.1 Actions taken based on the results of evaluation of each of the POs & PSOs (30)

Identify the areas of weaknesses in the program based on the analysis of evaluation of POs & PSOs attainment levels. Measures identified and implemented to improve POs & PSOs attainment levels for the assessment years. Actions to be written as per table 1.

Sample 1 - In a course on FLAT (Formal Languages and Automata Theory) theory, student performance has been consistently low with respect to some CO's. Analysis of answer scripts and discussions with the students revealed that this could be attributed to a weaker course on complex solutions. Action taken- revision of the course syllabus was carried out.

Sample 2- In a course that had group projects it was determined that the expectations from this course about PO3 (like: "to meet the specifications with consideration for the public health and safety, and the cultural, societal, and environmental considerations") were not realized as there were no discussions about these aspects while planning and execution of the project. Action taken- Project planning, monitoring and evaluation included in rubrics related to these aspects.

POs Attainment Levels and Actions for improvement: 2017-21

POs	Target Level	Attainment Level	Observations
PO1:Engineering Knowledge			
PO1	2.25	2.47	Target attained.

The level of attainment can be further improved by			
<ol style="list-style-type: none"> 1. Involving students in developing real time applications. 2. Encouraging students to do more case studies. 3. Encouraging the students to participate in workshops/ technical Seminars 			
PO2: Problem Analysis			
PO2	2.25	2.35	Target attained.
The level of attainment is further improved by			
<ol style="list-style-type: none"> 1. Conducting guest lectures to enhance student's problem analysis skills. 2. Motivating students for online certification courses. 3. Encourage to Participate in departmental club activities. 			
PO3: Design/development of solutions			
PO3	2.25	2.44	Target attained.
The level of attainment is further improved by			
<ol style="list-style-type: none"> 1. Making students to take up multi-disciplinary projects. 2. Participation in various hackathons. 			

PO4: Conduct investigations of complex problems			
PO4	2.25	2.33	Target attained.
<p>The level of attainment is improved by</p> <ol style="list-style-type: none"> 1. Students are motivated to focus more on analyzing the complex problems. 2. Certification programs in collaboration with industries. 3. Implementing student's ideas into real time projects. 			
PO5: Modern tool usage			
PO5	2.25	2.25	Target attained.
<p>The level of attainment can be further improved by</p> <ol style="list-style-type: none"> 1. Usage of online tools in the data analytics area. 2. Students are exposed to various modern tools like anaconda, weka, Eclipse , Netbeans , Wireshark, Qlik 			
PO6: The Engineer and Society			
PO6	2.25	2.16	Target not attained
<p>The level of attainment can be further improved by</p> <ol style="list-style-type: none"> 1. Developing apps useful/beneficial for the society. 2. Conducting programs/camps related to health , hygiene and safety 			

PO7: Environment and sustainability			
PO7	2.25	2.19	Target not attained
<p>The level of attainment can be further improved by</p> <ol style="list-style-type: none"> 1. Students participation in project exhibitions and hackathons 2. Students are encouraged to work on projects related to environment and societal issues 			
PO8: Ethics			
PO8	2.25	2.10	Target not attained
<p>The level of attainment can be further improved by</p> <ol style="list-style-type: none"> 1. 1. Students were trained to impart ethical principles and responsibilities as a part of class work, as every subject has its own ethics inherently in it. 2. Educate students about the importance of maintaining ethics in our projects design and development. 			
PO9: Individual and Team Work			
PO9	2.25	2.26	Target attained.
<p>The level of attainment can be further improved by making the students</p> <ol style="list-style-type: none"> 1. Students participation in J-Hub Projects Exhibition . 2. Encouraging to participate in Techfests and Hackathons. 			

3. Innovative Teaching Learning Methodologies like Think-Pair-Share, Team Assignments were implemented to nurture the teamwork of students in multidisciplinary domains.			
PO10: Communication			
PO10	2.25	2.25	Target attained.
<p>The level of attainment can be further improved by making the students</p> <ol style="list-style-type: none"> 1. Certification courses in BEC (Business English Certificate: Course offered by Cambridge English). 2. Introduced Professional Communication Course as mandatory course. 3. Soft skill training programs were provided for the improvement of communication and presentation skills 			
PO11: Project Management and Finance			
PO11	2.25	2.12	Target not attained.
<p>The level of attainment can be further improved by</p> <ol style="list-style-type: none"> 1 Students are encouraged to prepare project reports with the guidance of faculty for paper publications/ projects/patents 2. Students are motivated to take internships 			
PO12: Life-Long Learning			
PO12	2.25	2.33	Target attained.

POs Attainment Levels and Actions for improvement: 2016-20

The level of attainment can be further improved by making them			
POs	Target Level	Attainment Level	Observations
PO1:Engineering Knowledge			
PO1	2.2	2.42	Target attained.
<p>The target will be retained and will be observed for next academic year.</p> <ol style="list-style-type: none"> 1. Video lectures will be used to explain the concepts for better understanding. 2. Students will be asked viva questions relating to the basic concepts to refresh their fundamentals in laboratory sessions. 3. Additional classes will be conducted beyond the regular classes for the courses which have less attainment. 4. Co-curricular activities are scheduled in the area of information security, cyber security and AI & ML. 5. Practical approach of teaching programming was adopted to help students to understand the basics of programming. 			
PO2: Problem Analysis			
PO2	2.2	2.31	Target attained.
<p>Target will be retained and will be observed for next academic year.</p> <ol style="list-style-type: none"> 1. Conduct Expert lectures, Seminars and Guest lecture to help students in identifying & analyzing 			

<p>the real time problems.</p> <p>2. Additional classes will be conducted beyond the regular classes for the courses which has less attainment.</p> <p>3. Encouraging students to solve societal problems.</p> <p>4. Motivating students for online certification courses.</p>			
PO3: Design/development of solutions			
PO3	2.2	2.36	Target attained.
<p>Target will be retained and will be observed for next academic year.</p> <p>1. To conduct Expert lectures workshop and hands on training session to understand process of designing and analyzing real life software problems.</p> <p>2. Students were encouraged to participate in external inter college technical competitions, coding contests and hackathons.</p>			
PO4: Conduct investigations of complex problems			
PO4	2.2	2.26	Target attained.
<p>Target will be retained and will be observed for next academic year.</p> <p>1. Focusing more on Problem solving</p> <p>2. Encouraging students to get Internships and implementing student ideas to Real time projects</p> <p>3. National/ international conferences are scheduled to promote research culture among students.</p> <p>4. Students were informed to refer IEEE journal papers / Scopus to enhance their research</p>			

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knowledge, analysis and interpretation of data.			
PO5: Modern tool usage			
PO5	2.2	2.21	Target attained.
<p>Target will be retained and will be observed for next academic year.</p> <ol style="list-style-type: none"> 1. Students are motivated to register for webinars/seminars regarding modern tool usage. 2. Students were exposed to various modern tools like android studio, Eclipse, Netbean, anaconda, Wireshark, Qlik which helped to attain the marginal target. 3. Involving in technical club training and developmental activities. 			
PO6: The Engineer and Society			
PO6	2.2	2.15	The attainment level is almost near to the target level.
<p>The level of attainment can be further improved by</p> <ol style="list-style-type: none"> 1. Students have to be exposed to various professional engineering practices followed in the industries through industrial visits. 2. Organizing Expert talks in collaboration with professional society bodies to create more awareness among the students about professional engineering practice. 3. Students are motivated to develop Real time projects 4. Students are encouraged to carry out inter domain projects so that they would realize the importance of a project involving society, safety, health, and the legalities. 			
PO7: Environment and sustainability			
PO7	2.2	2.13	The attainment level is almost near to the target level.

<p>The level of attainment can be further improved by</p> <ol style="list-style-type: none"> 1. Students are encouraged to indulge in mini projects/projects where societal and environmental issues can be addressed. 2. Students are strictly instructed to switch off all electrical Equipment /Resources when not in use for all the laboratories. 3. Best Practices like Rain water harvesting, proper waste management procedure are employed at our college. 4. Best practices like Social Media is used for intra department communication to eliminate the need of papers. 			
PO8: Ethics			
PO8	2.2	2.13	The attainment level is almost near to the target level.
<p>The level of attainment can be further improved by</p> <ol style="list-style-type: none"> 1. Organizing workshops under HEARTFULLNESS organization. 2. Introduced Professional Ethics course as mandatory. 3. Conducting workshops related to Ethical hacking/Data Security. 4. Organizing Awareness programs on software piracy. 5. Projects/ mini projects will be scrutinized, code reviews will be conducted 			
PO9: Individual and Team Work			
PO9	2.2	2.28	Target attained.
Target will be retained and will be observed for next academic year			

<p>1. Students will be encouraged to participate in various co-curricular and extra-curricular activities in other colleges/sports activities/cultural activities.</p> <p>2. Students are encouraged to participate in Inter Collegiate Cultural Fest.</p> <p>3. Students were encouraged to participate in external inter college technical competitions, coding contests and hackathons</p> <p>4. Department encourages formation of student clubs, participation in technical events/Business ideas/ app development.</p>			
PO10: Communication			
PO10	2.2	2.26	Target attained.
<p>Target will be retained and will be observed for next academic year.</p> <p>1. To enhance the employability skills of the students, training programmes will be conducted on the topics: how to face the interview, career development, higher studies, and entrepreneurship development.</p> <p>2. To participate in student forums SPEED: RSF/ISF & GSF.</p> <p>3. Certification courses in BEC (Business English Certificate: Course offered by Cambridge English).</p> <p>4. Students were motivated to give presentations individually.</p> <p>5. Introducing Professional Communication Course as mandatory.</p> <p>6. Soft skill training programs were provided for the improvement of communication and presentation skills like reading, writing, speaking etc.</p>			
PO11: Project Management and Finance			

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*POs
and Actions for
2015-19*

PO11	2.2	2.15	The attainment level is almost near to the target level.
The level of attainment can be further improved by <ol style="list-style-type: none"> 1 Students are encouraged to prepare project proposals with the guidance of faculty for government funding agencies 2 Encouraging to become entrepreneurs with the support of EDC cell 3 Students are motivated to participate in hackathons and develop working models 			
PO12: Life-Long Learning			
PO12	2.2	2.30	Target attained.
Target will be retained and will be observed for next academic year. <ol style="list-style-type: none"> 1 Students will be motivated to register for GRE/TOEFL/GATE and other competitive examinations. 2 Students are motivated to publish research papers to enhance the knowledge in their area of 			
POs	Target Level	Attainment Level	Observations
PO1:Engineering Knowledge			
PO1	2.1	2.35	Target attained.
Target will be retained and will be observed for next academic year <ol style="list-style-type: none"> 1. Involving students in developing real time applications. 2. Encouraging the students to participate in workshops/ technical Seminars 			
PO2: Problem Analysis			
PO2	2.1	2.26	Target attained.

*Attainment Levels
improvement:*

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<p>Target will be retained and will be observed for next academic year</p> <ol style="list-style-type: none"> 1 Conducting guest lectures to enhance student's problem analysis skills. 2 Motivating students for online certification courses. 3 Encourage to Participate in departmental club activities. 			
PO3: Design/development of solutions			
PO3	2.1	2.31	Target attained.
<p>Target will be retained and will be observed for next academic year</p> <ol style="list-style-type: none"> 1. Making students to take up multi-disciplinary projects. 2. Participation in various hackathons. 			
PO4: Conduct investigations of complex problems			
PO4	2.1	2.21	Target attained.
<p>Target will be retained and will be observed for next academic year</p> <ol style="list-style-type: none"> 1. Students are motivated to focus more on analyzing the complex problems. 2. Certification programs in collaboration with industries. 			
PO5: Modern tool usage			
PO5	2.1	2.16	Target attained.
<p>Target will be retained and will be observed for next academic year</p> <ol style="list-style-type: none"> 1. Involving in technical club training and development activities. 2. Usage of online tools in the data analytics area. 			
PO6: The Engineer and Society			

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PO6	2.1	2.10	Target attained.
Target will be retained and will be observed for next academic year 1. Developing apps useful/beneficial for the society. 2. Introducing new courses as per the emerging technologies.			
PO7: Environment and sustainability			
PO7	2.1	2.10	Target attained.
Target will be retained and will be observed for next academic year 1. Students participation in project exhibitions and hackathons 2. Students are encouraged to work on projects related to environment and societal issues			
PO8: Ethics			
PO8	2.1	2.08	The attainment level is almost near to the target level.
The level of attainment can be further improved by 1. Students were trained to impart ethical principles and responsibilities as a part of class work, as every subject has its own ethics inherently in it			
PO9: Individual and Team Work			
PO9	2.1	2.22	Target attained.
Target will be retained and will be observed for next academic year 1. Student summer product workshops like JNTU Excite/Maker Space. 2. Encouraging to participate in Techfests.(Regional/National level)			

*PSOs
and Actions for
21*

3 Participation in Hackathons.			
PO10: Communication			
PO10	2.1	2.19	Target attained.
Target will be retained and will be observed for next academic year 1. Certification courses in BEC (Business English Certificate: Course offered by Cambridge English). 2. English Communication Language clubs. 3. Introducing Professional Communication Course as mandatory.			
PO11: Project Management and Finance			
PO11	2.1	2.08	The attainment level is almost near to the target level.
The level of attainment can be further improved by 1. More emphasis was given on final year projects in executing and implementing with economic concepts.			
PO12: Life-Long Learning			
PO12	2.1	2.22	Target attained.
Target will be retained and will be observed for next academic year 1 Learning through participation in technical clubs and professional chapters. 2. Students are motivated to take internships 3. Selection of elective courses enhanced the knowledge in their area of specialization and in turn it provided a path way to life- long learning.			

*Attainment Levels
improvement: 2017-*

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PSOs	Target Level	Attainment Level	Observations
PSO1: The ability to design and develop Algorithms to provide optimized solutions for societal needs			
PSO1	2.25	2.40	Target attained.
<p>The attainment level is reached as because:</p> <ol style="list-style-type: none"> 1. Activity based learning Methodologies were adopted 2. More workshops and guest Lectures were organized under various professional chapters 			
PSO2: Apply standard approaches and practices in Software Project Development through trending technologies.			
PSO2	2.25	2.30	Target attained.
<p>The attainment level can be reached by:</p> <ol style="list-style-type: none"> 1. Industry Perspective workshops were organized to improve practical skills 2. Guidance was given to the Students for Higher Studies and Research. 			

PSOs Attainment Levels and Actions for improvement: 2016-20

PSOs	Target Level	Attainment Level	Observations
PSO1: The ability to design and develop Algorithms to provide optimized solutions for societal needs			

NBA SAR

PSO1	2.2	2.36	Target attained.
<p>Target will be retained and will be observed for next academic year.</p> <ol style="list-style-type: none"> 1. To strengthen the domain knowledge and make them job ready graduates, department is planning to introduce more number of professional elective courses. 2. Students are encouraged to publish research papers in various national and international journals/conferences. 3. Motivated to participated in club activities and hackathons 4. Industry sponsored Laboratory courses have helped the students to design, develop and implement projects. 			
<p>PSO2: Apply standard approaches and practices in Software Project Development through trending technologies.</p>			
PSO2	2.2	2.26	Target attained.
<p>The attainment level can be reached by:</p> <ol style="list-style-type: none"> 1. Department will be encouraging the students to participate in intra collage/ inter college / state level/ national level / International level activities and events 2. Industry Perspective workshops were organized to improve practical skills 3. Guidance was given to the Students for Higher Studies and Research. 			

PSOs Attainment Levels and Actions for improvement: 2015-19

PSOs	Target Level	Attainment Level	Observations
PSO1:The ability to design and develop Algorithms to provide optimized solutions for societal needs.			
PSO1	2.1	2.30	Target attained.
Target will be retained and will be observed for next academic year. 1. Activity based learning Methodologies were adopted 2. More workshops and guest Lectures were organized under various professional chapters			
PSO2:Apply standard approaches and practices in Software Project Development through trending technologies.			
PSO2	2.1	2.30	Target attained.
Target will be retained and will be observed for next academic year. 1. Industry Perspective workshops were organized to improve practical skills 2. Guidance was given to the Students for Higher Studies and Research.			

7.2Academic Audit and actions taken thereof during the period of Assessment (15)

Academic Audit is done in the department both internally and externally for the Continuous improvement of the department. Academic audit committee (internal) consisting of three faculty members from other departments, constituted to monitor the activities in every year. This evaluation helps in the continuous improvement of department. External auditing is done by three staff members from other universities/colleges in vicinity to improve skill and Knowledge based education. The following is the process adopted for auditing. Each

faculty member is provided with a copy of the specific work in academic audit form for theory, lab courses and other Academic activities by one week in advance. They have to arrange all the documentary evidence in the order mentioned below on a designated date. The HoD and other two staff members will check all the files and contents provided by the faculty. If there is any incompleteness of work, specific staff is intimated to complete it. The exercise is normally carried out once in a Year. Both Internal and External audit committee visit the department and verify the files with given format provided. They will prepare a consolidated report and it is sent to Director/Principal for Suggestions. The report forwarded to PAC and DAB that in return take all precautions to efficiently implement the necessary changes as per audit report by conducting meeting in the department and DAB that in return take all precautions to efficiently implement the necessary changes as per audit report by conducting meeting in the department.

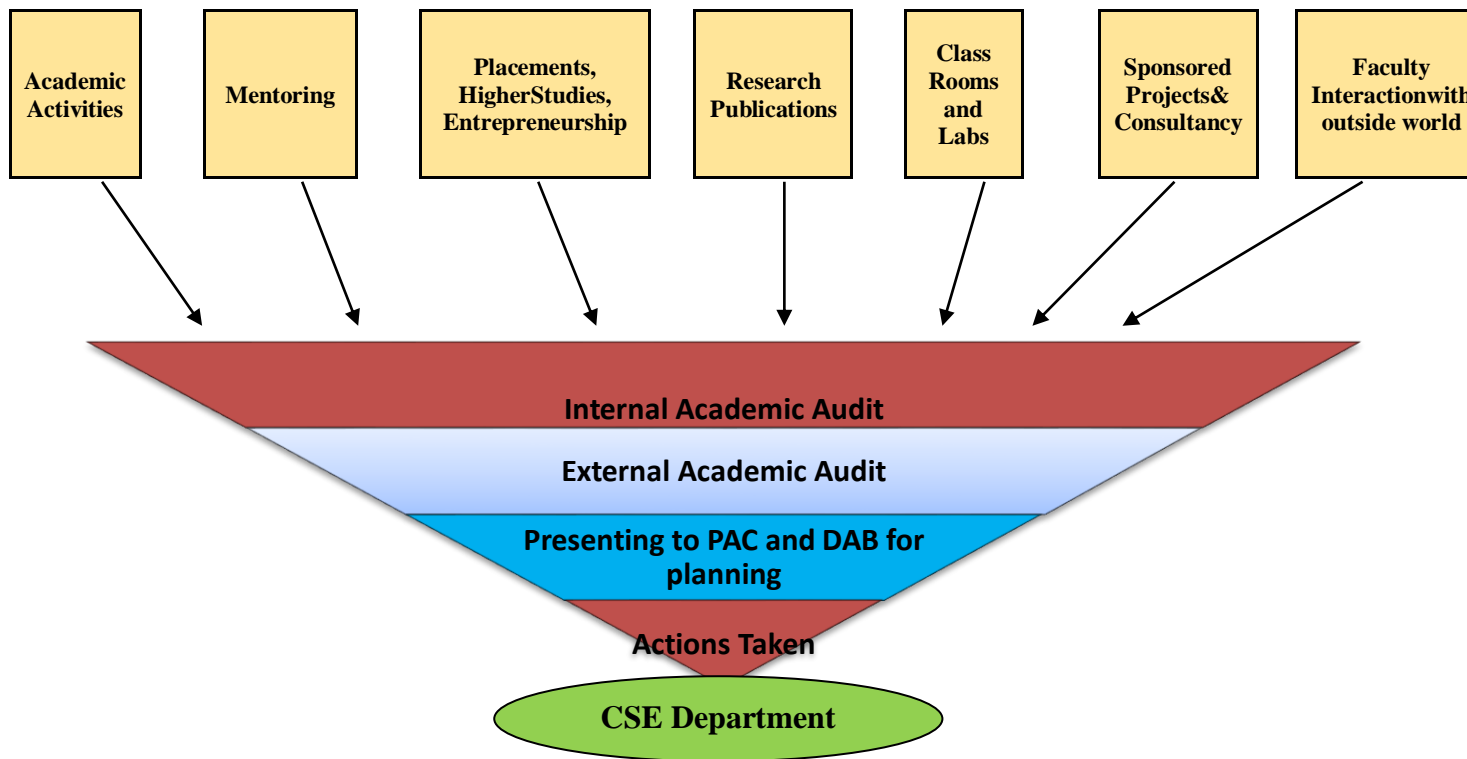
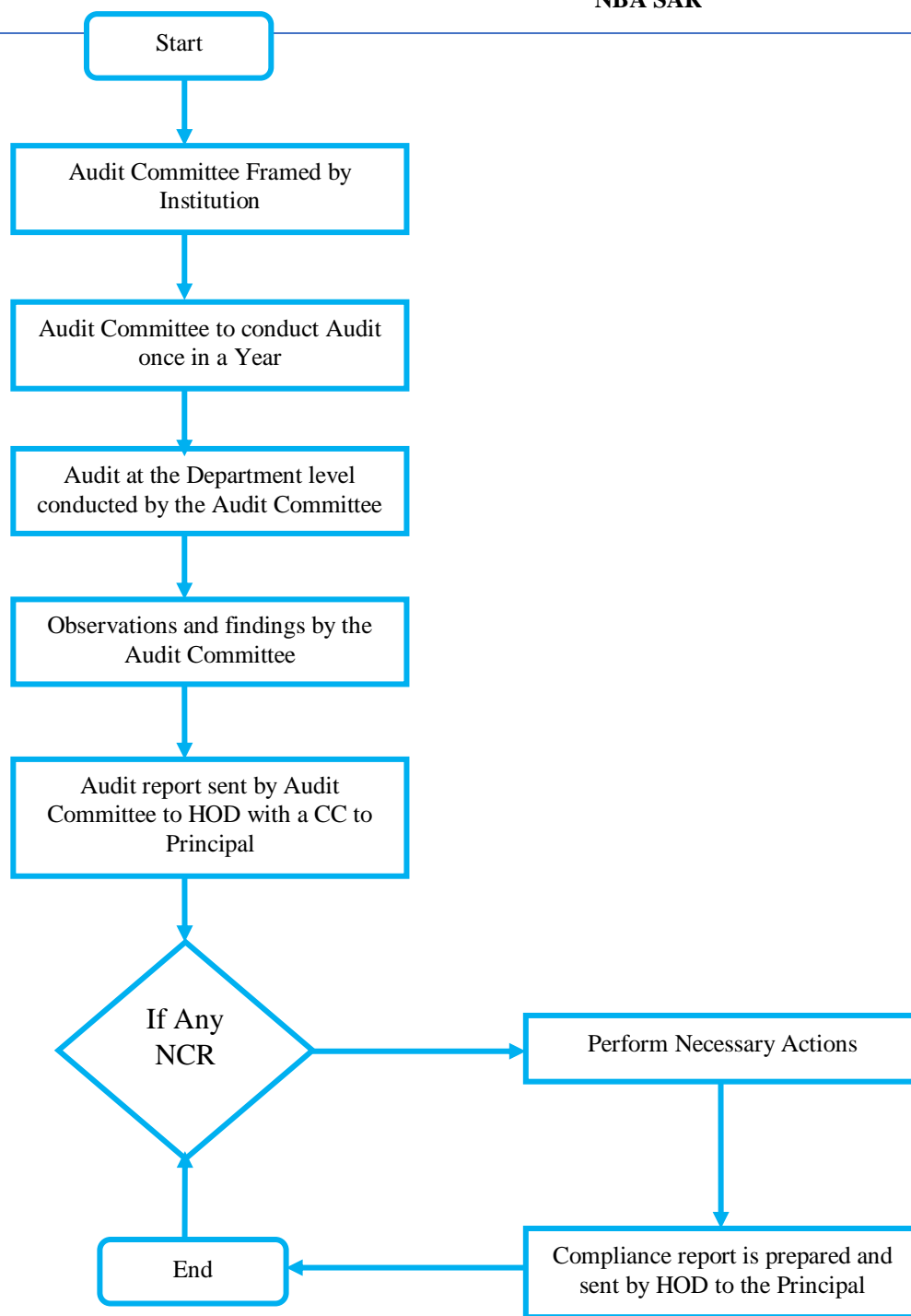


Figure 7.1 Process of Academic Audit

**Figure 7.2: Internal and External Audit**

The following documents are made available during department Academic Audit

- Time Tables
- Attendance Registers
- Teacher Qualification, Designation and Experience
- Teacher Student Ratio
- Syllabus Coverage as per the Course Plan
- Course Files
- Seminar Presentation Details
- Evaluation of Internal Marks
- Attendance of Remedial classes
- Result Analysis
- Monitoring the Evaluation Process of Mini Projects
- Monitoring the Evaluation Process of Major Projects
- Students Counseling Records
- Patents
- Research grants
- Consultancy
- Publications
- Faculty serving National and International committees
- Awards received by Faculty

- Faculty guiding Research
- Higher Studies
- FDP, Conferences, Workshop and Short term training
- Infrastructure and Laboratory Details
- Research Labs
- Placement Activities
- Quality Improvement – 1.Minutes of Department meetings,2.Best Practices Implemented and Innovations by faculty / student, 3.Strength,Weakness, Opportunities and Challenges (SWOC)

S.NO.	DESCRIPTION
1	Syllabus
2	Text Book & Other References
3	Time Table
4	Program Outcomes (PO's) ,Program Specific Outcomes (PSO's) &PEO's
5	Mapping Of Course Outcomes (CO's) With Program Outcomes (PO's) & Program Specific Outcomes (PSO's)
6	Academic Calendar
7	Course Schedule
8	Lesson Plan
9	Assignment Questions
10	Mid I & Mid II Question Papers
11	Unit Wise Questions
12	Minutes of Course Review Meeting

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13	Lecture Notes
14	Power Point Presentation
15	Semester End Question Papers
16	Extra Topics Delivered (if any)
17	Innovations In Teaching and Learning
18	Assessment Sheet – Co Wise (Direct Attainment)
19	Course End Survey Form

Figure 7.3: Sample Sheet of Course File Verification

Audit committee report is sent to HOD, she/he in turn takes all precautions to efficiently implement the necessary changes as per audit report. In addition to this, Course file inspection is done once in a semester by Academic Review Committee.

The functioning of the department is properly reviewed by

- Department advisory board(DAB)
- Program Assessment Committee(PAC)

Internal Quality Assurance Cell is the institutional level committee looking after the quality assurance in academics. This committee appoints the Academic review committee which takes care of complete academic audit.



Vidya Jyothi Institute of Technology

(An Autonomous Institution)
(Accredited by NAAC & NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)
Ariznagar Gate, C.B. Post, Hyderabad-500 075

EXTERNAL ACADEMIC AUDIT

(2019 -20)

Date of Academic Audit

19/06/20 & 20/06/20

1.	Name of the Department	CSE
2.	Year of Establishment	1999
3.	Names of Programmes offered (Mention with Intake)	Department of Computer Science Engineering Intake: 240

4. A) Number of Teachers

Designation	Existing
Professor	6
Associate Professors	3
Asst. Professors	35
Others	—

B) Teaching Experience of the Faculty in the Institute

Tenure	No. of Teachers
More than 5 Years	30
More than 3 Years	9

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6. Grants/Funds Received for Research/FDPs/STTPs/Workshops etc.

I. PROJECTS GRANTED IN THE CURRENT ACADEMIC YEAR

a). Number of Research Grants only:
b). Number of Faculty Development Grants:
c). Research Grants received:
d). Faculty Development Grants received :

Name of funding agencies	Category of the funding Agency (GOVT/Non GOVT funding agencies/ individuals)	Name of the Faculty	Purpose of the Grant Research/ FDP/ STTP/ Workshop	Funds/Grants received (INR in lakhs)	Collaboration (National / Inter National)
JNTU	FEDIP - IN JNTUH govt Agency	Dr. K. Ramesh Babu	project	2.25 Lakhs	National

II. ONGOING PROJECTS

7. Special research laboratories sponsored by / created by industry or corporate bodies

8. Publications (List is to be attached)

Number of Papers published in Journals	62
Number of Papers published in Book Chapters/Conferences	3
Number of Books with ISBN	4
Average Citation Index	—
Average Impact Factor	—
h-index	—

9. Details of patents

Name of the Faculty	Topic	Obtained / Published / Filed	Product
K S R K Sarma	System & Method to improve the performance index in transport Process using ANNs	21/11/2019 201941042511	Yes
Vikar B	System & Method to improve the performance index in transport process using ANNs	21/11/2019 201941042511	Yes
Dr. D. Aruna Kumari	Automatic Method & Technology for Biological waste mgmt. including Ayurveda hospital using IoT	2020102665	Yes
K S R K Sarma	IoT based health notification & doctor availability checking in hospital using HL7 & OL programming	2020102614	Yes

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10.	Areas of consultancy and income generated	
	Areas of consultancy	Income generated
	Supreethi - Online Exam	122950
	TCS Online	24390.8
	JACO Exam	37500
	TSPS	15000
	TCS Online	14904
11.	Faculty serving in National committees b) International committees c) Editorial Boards d) any other (please specify)	
	Name of the Faculty	Name and details of the committees
	Dr. D. Anura Kumari	Session Chair of AICTE Sponsored National Conference WISET - 2020
	Dr. D. Anura Kumari	Keynote Speaker at AICTE Sponsored FDP Advanced Artificial Intelligence Technology - JRIET
	Dr. B. Vijay Kumar	Member in Board of Studies, Computer Science and Engineering, CHRIT.
	Dr. B. Vijay Kumar	Member - Academic Counsel, CHRIT.
12.	How many students have cleared Civil Services and Defense Services examinations, GATE and other competitive examinations	
	Name of the Student	Name and details of the Examinations
	P. Saikethan Reddy	IELTS - 06733776
	Srinu Veeragani	GATE - GRE -
	Pola Sree Charan	IELTS - 20541401870
	Mohammed Magsood Ali	IELTS - 24969621
	Pacha Chaitanya	PGECE - 9111070600
	Ritesh Jangam	IELTS - T9336535
	M. Salvaranna	GRE - 8631557
	P. Tanuja	PGECE - 9108070322
	Udaya Vanipalli	IELTS - S7798003
	V. Rajitha	GRE - 5582625
		PGECE - 9101072542

K. Vinay Kumar Reddy	IELTS - 74813837
Navreen Malarapu	IELTS - 78355376
Shi Swarnop N	GRE - 7947894
Sateth Reddy	IELTS - 81971539
Alumalla Arav Reddy	IELTS - 79936015
K. Sravani	MAT - 894550
Karra Chathunya	GRE - 8748254
Shiva Gini Adimulam	IELTS - R2084845
Praveen Kumar K	IELTS - 86458359
Suresh Goud Hula	GRE - 8021282
S. Nithil Reddy	IELTS - 89239843
Sanugommula Reddy	GRE - 6320066
Kallu Preethi	IELTS - 83369805
Hyh Akshitha	IELTS - 74808153
P. Aravind Kumar	IELTS - 86453006
Rahul Reddy P	IELTS - 24194062
Sparthi Vakkavanthula	GRE - 7024897
V. Snijana	IELTS - 06715637
Rohan Dasari	GMAT - 89258605
J. Haneesha	IELTS - R2078918

13. Faculty recharging strategies (Orientation programs, workshops, training programs and similar programs)**

1. FDPs attended by the faculty
 - (i) National: 09
 - (ii) International: 00
2. Conferences attended
 - (i) National: 0
 - (ii) International: 0

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**Attach a separate sheet for details				
14.	Student projects			
	Percentage of students who have done in-house projects including inter-departmental projects		60%	
	Percentage of students doing projects in collaboration with other universities/industry/institute		40%	
15.	Awards/recognitions received at the national and international level by Faculty			
	Doctoral/post doctoral fellows Students			
	Name and Details of the Award/Recognition received	National/International	Name of the Faculty/Student	Faculty/Student
16.	Faculty Guiding Research			
	Faculty Guiding Research	Registered This Year	Active	
	From the host institution / university		8	
	From other institutions / universities			
	No of research scholars	1	16	

17.

Infrastructure And Laboratory Details:

Number of Class Rooms With ICT Facilities	12
Number of Class Rooms Without ICT Facilities	1
Number of Tutorial Rooms	No
Number of Student Laboratories With Names and Stock Verification	

18.

Room No	Name of the Lab
C-203/C-204	LAB-1, LAB-2
C-205/C-206	LAB-3, LAB-4
C-209/C-210	LAB-5, LAB-6
N208	LAB-7
N304	Project LAB

Number of Research Laboratories

S.No	Name of the Research Laboratory
1.	Image Processing
2.	Data Analytics
3.	IoT

Number of Softwares Available

Name and details of the Software	No of Users
Dev-C++ 5.11	OPEN SOURCE
Python-3.7.4	OPEN SOURCE
mysql-essential-5.1	OPEN SOURCE
jdk1.7.0_21	OPEN SOURCE
DETA-3.7.5	OPEN SOURCE
Agm UML-0.34	OPEN SOURCE

240
Users

Placement Activities :		38
No. of companies Visited		142
No. of Placements offered		3.71
Average Salary offered		35
Off campus placements (%)		107
On campus Placements (%)		YES
Existence of training & Placement Office in the Institute :		

19.	Quality Improvement		
S.No	Parameter	Status (YES/NO)	File Name/File No
a).	Minutes of the Department Meetings	YES	D-MOM-1
b).	Best practices implemented	YES	D-BP
c).	Innovations by faculty/ students	YES	Innovations in Teaching & Learning / NBA 5.5
d).	Student Mentoring	YES	Mentoring Books
e).	Strengths, Weaknesses, Opportunities and Challenges (SWOC)	YES	D-SWOC-Analysis

COMMENTS OF THE AUDITORS:

1. Improve Research projects and Indexed publications
2. Activities under professional bodies needs to be Strengthened
3. Good and Effective ^{mentoring} maintained in the Department
4. Progress of publications in high Impact factor journals
5. Student Admissions and placements are good.

Auditors	Signature
Auditor-1 Name: Dr. V. Venkata Krishna Designation: Professor Department: CSE, VCE, Hyderabad Date:	V. Venkata Krishna
Auditor-2 Name: Dr. Swamy Das Designation: Professor & Head Department: CSE, CBIT, Hyderabad Date:	Swamy Das
Auditor-3 Name: A. Nagaraj	A. Nagaraj

External Academic Audit 2019-20

Comments of the Auditors:

1. Improve Research Projects and Journal publications.
2. Activities under professional bodies need to be strengthened.
3. Good and effective mentoring maintained in the department.
4. Progress of publications in high impact factor journals.
5. Student admission and placements are good.

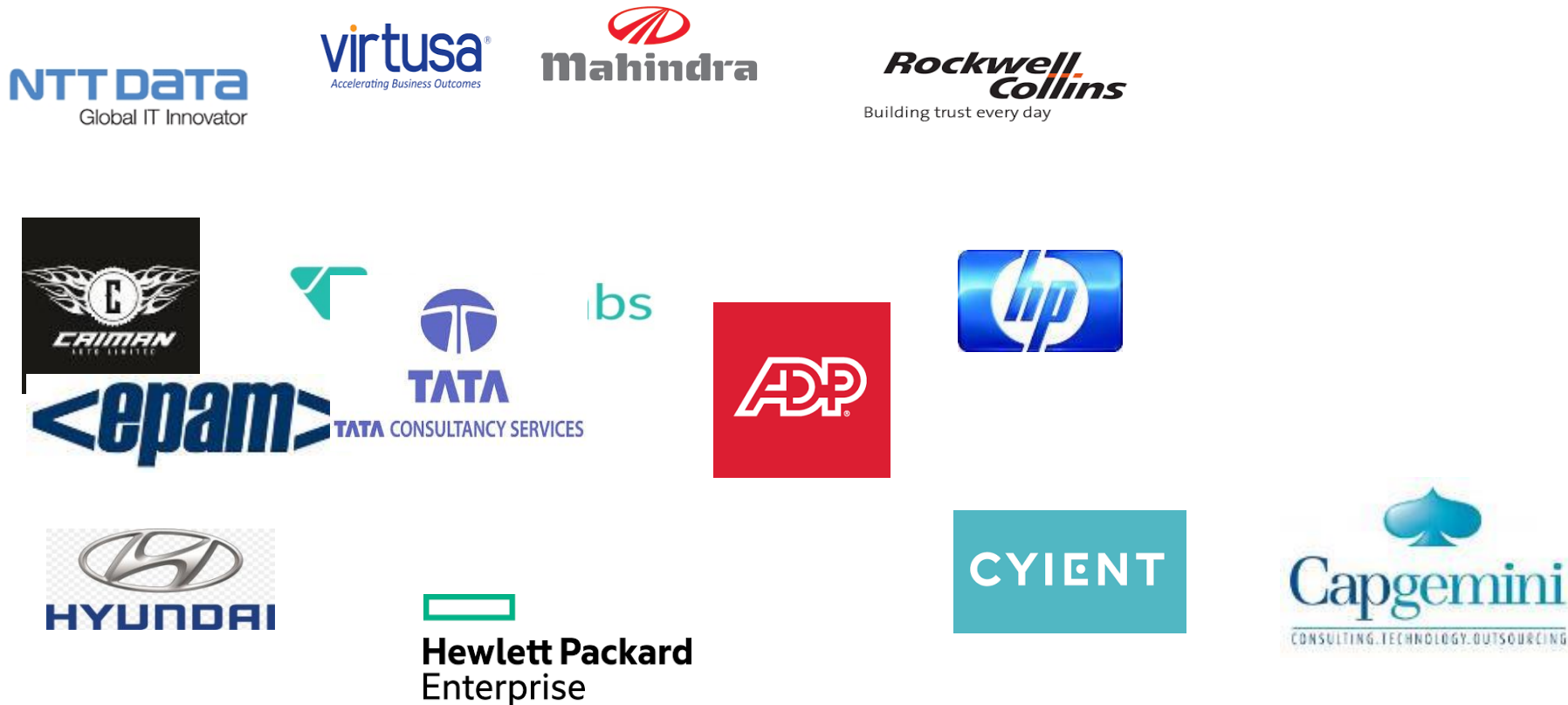
Action taken there of: The above changes were incorporated and major action plans were submitted to PAC and DAB for further approval.

7.3 Improvement in Placement, Higher Studies and Entrepreneurship (10)

The Training & Placements Cell takes care of the Training and Placements of students at VJIT. Every Year about 80 to 100 on and off campus placement drives are attended by the students and about 80% of the eligible students get selected by these. To fulfil the demand of the market and to make the students 'industry ready workforce' the cell also conducts training, workshop, guest lectures, alumni interactions, mock interviews, online and offline assessments. For the engineering graduates the training is conducted from 2nd Year to 4th Year. The placements happen mainly from the end of 3rd Semester and continue till 8th semester for B.Tech students. Along with this Training and Placement activities the cell also takes care of the industry collaborations along with III Cell of the College and creates internship opportunities for the

students during 8th Semester. The Cell has also taken initiative to sign MoU with different industries and use them maximum for the benefit of the students. Outcome of these good industry collaborations at VJIT is establishing Virtusa Center of Excellence in SW Testing, Qlik Center of Excellence in Data Analytics, and Lean Talent Sprint Center of Excellence in career readiness.

Our Major Recruiters:





Year	Number of students placed
2019-20	151
2018-19	142
2017-18	134

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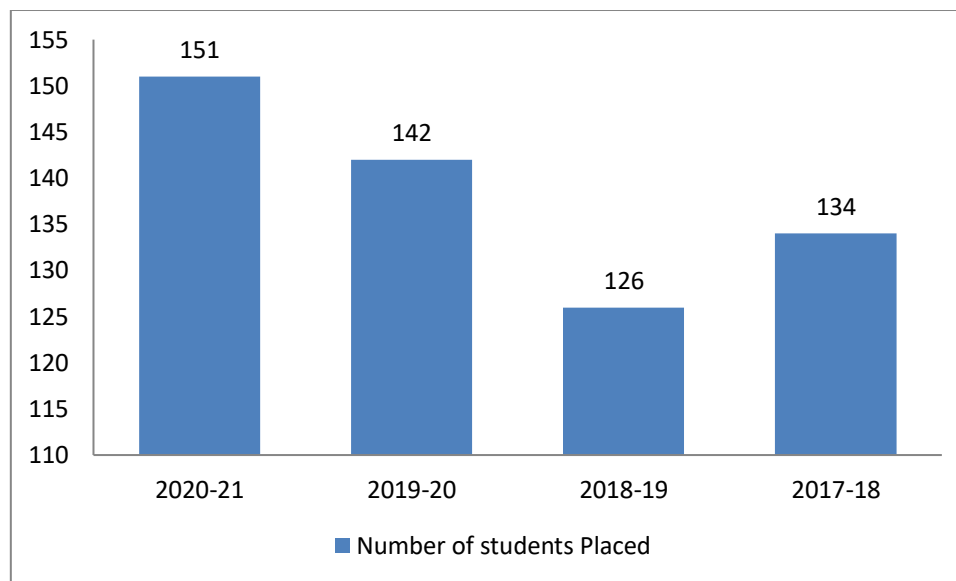


Figure 7.4 Number of Students Placed

Minimum, Maximum and Average Package

Year	Minimum Package (Lakhs)	Maximum Package (Lakhs)	Average Package (Lakhs)
2020-21	1.9	14.2	3.83
2019-20	1.2	11.3	3.71
2018-19	1.2	6	3.03
2017-18	1.8	6.5	2.89

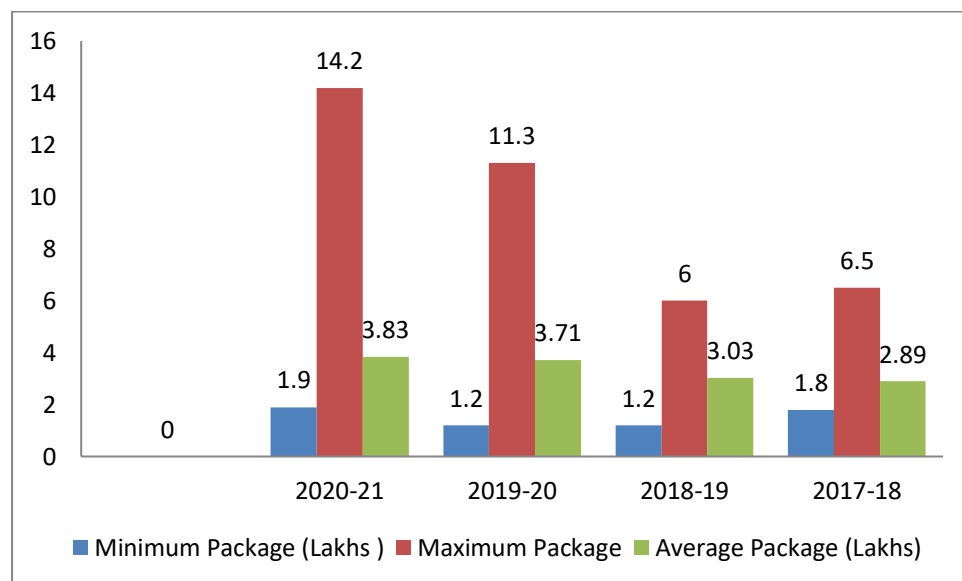


Figure 7.3.1.2 Minimum, Maximum and Average Package

ITEM	2020-2021	2019-2020	2018-19	2017-2018
Total Number of Final Year Students eligible for placements (N)	228	222	220	203
Number of Students placed in Companies/Government Sector (x)	151	142	126	134
Number of Students Admitted to Higher studies (y)	15*	25	19	6
Entrepreneurship (z)	2*	8	1	3

7.4. Improvement in the quality of students admitted to the program (20)

Assessment is based on improvement in terms of ranks/score in qualifying state level/national level entrances tests, percentage marks in Physics, Chemistry and Mathematics in 12th Standard and percentage marks of the lateral entry students.

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CSE		2021-22	2020-21	2019-20	2018-19
National Level Entrance Examination (Name of the Entrance Examination)(JEE)	No. of Students admitted	0	0	0	0
	Opening Score/Rank	0	0	0	54971
	Closing Score/Rank	0	0	0	807275
State/University/Level Entrance Examination/Others(Name of the Entrance Examination) (EAMCET)	No. of Students admitted	240	240	240	240
	Opening Score/Rank	6884	8124	5051	7608
	Closing Score/Rank	116460	60912	95781	98478
Name of the Entrance Examination for Lateral Entry or lateral entry details(ECET)	No. of Students admitted	23	19	24	05
	Opening Score/Rank	141	306	474	585
	Closing Score/Rank	4994	23872	18666	4997
Average CBSE/Any other Board Result of admitted students (Physics, Chemistry & Maths)		90.01	89.5	89.1	88.5

CRITERION 8	FIRST YEAR ACADEMICS	50
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8.1. First Year Student-Faculty Ratio (FYSFR) (5)

Name of the faculty Member	PAN No.	Qualification	Date of receiving highest degree	Area of Specialization	Designation	Date of Joining	Teaching Load (%)			Currently Associated (Yes/No)	Nature of Association Reg/Contract	Date of leaving
							CAY	CAY m1	CAY m2			
Dr D. Indira Priyadarshini	BGJPD6392Q	M.A, Ph.D	24/05/2016	Developing Writing Skills ELT	Professor	03/07/2013	100	100	100	YES	Regular	-
Dr.Murali Vemula	ADRPV4192L	M.APh.D	17/02/2020	English Common Wealth Literature	Associate Professor	07/07/2014	100	100	100	YES	Regular	-
Mrs.Sujatha Macha	AMBPM8783H	M.A	06/06/2004	English	Associate Professor	3/10/2012	100	100	100	YES	Regular	-
Dr.Rampalli Padma	CBBPK7839P	MA PhD	03/01/2020	Indian writing in English	Associate Professor	12/09/2013	100	100	100	YES	Regular	-
Mr.Surender Allam	ALXPA6236A	M.A	04/04/2002	English Literature	Assistant Professor	01/08/2014	100	100	100	YES	Regular	-
Mrs. KurmapuSree Vani	BQZPK6098J	M.A	04/06/1996	English Literature	Assistant Professor	03/08/2016	100	100	100	YES	Regular	-
Mrs.Jasti .Sreedevi	AZLPJ8012F	M.A	10/05/1997	English	Assistant Professor	21/10/2016	100	100	100	YES	Regular	-

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Mr. Rudraboina Vijay Kumar	BKUPR9166B	M.A	05/06/2013	English	Assistant Professor	04/04/2016	100	100	100	YES	Regular	-
Mrs. M. Hepsiba George	BAVPGO116R	M.A	14/09/2016	English Literature	Assistant Professor	11/07/2018	100	100	100	YES	Regular	-
Mr. S Shafiulla Basha	DIJPS4549N	M.A	21/01/2013	English Literature	Assistant Professor	31/07/2019	100	100	0	YES	Regular	-
Dr. Prabhakara Sastry Rangavajhala	ANQPR4979L	MA Ph.D	10/06/2013	English literature	Associate Professor	07/08/2019	0	100	0	NO	Regular	30/06/2020
Dr. N Susheel Kumar	CDCPK8086R	MA Ph.D	23/12/2019	Applied Linguistics	Associate Professor	05/07/2019	100	100	0	NO	Regular	30/06/2021
Mr. Paola Peter Beligraham	BRAPP4028B	MA	13/02/2012	English language Teaching	Assistant Professor	01/07/2019	100	100	0	YES	Regular	-
Dr. Lakshmi Narayan Kunderu	ALTPK9283D	M. Sc, Ph. D	15/10/2005	Mathematical Modeling	Professor	22/10/2018	100	100	100	YES	Regular	-
Dr. Dindigala Raju	APIPD2241M	M.Sc, Ph.D	05/12/2011	Thermodynamics & Fluid Dynamics	Associate Professor	08/05/2008	0	100	100	NO	Regular	30/06/2020
Dr. Ravi Ramakrishna	AEVPR9521C	M.Sc, Ph.D	18/10/2011	Statistics	Professor	29/10/2001	100	100	100	YES	Regular	-
Mrs.SrilathaGorthi	ALEPG0835C	M.Sc	11/06/1989	Statistics	Associate Professor	16/06/2012	100	100	100	YES	Regular	-
Dr.SitarambabuBadeti	AITPB1502B	M.Sc, Ph.D	19/11/2016	Mathematical Modelling	Associate Professor	11/10/2014	0	100	100	NO	Regular	30/06/2020
Mr.Anagandula Sadanandam	ANQPA3005J	M.Sc	24/04/2006	Pure mathematics	Assistant Professor	08/09/2008	100	100	100	YES	Regular	-
Mr.Javini Govardhan Reddy	ANKPJ7022L	M.Sc	15/07/1999	Applied Mathematics	Associate Professor	03/03/2015	100	100	100	YES	Regular	-
Mrs.MandalaParthiNagal akshmi Anuradha	AHOPC8555H	M.Sc	15/07/1999	Applied Mathematics	Associate Professor	03/09/2015	100	100	100	YES	Regular	-
Mrs.Chakrala Sridevi	ARWPV8749E	MSc	06/06/2006	Mathematics	Assistant	25/06/2014	100	100	100	YES	Regular	-

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					Professor							
Mrs.Fouzia Tabassum	ABWPF4489P	M.Sc	25/04/2011	Applied Mathematics	Assistant Professor	10/01/2012	100	100	100	YES	Regular	-
Mrs.Rampalli V N Udayasree	BCCPR7689M	M.Sc	20/07/2005	Mathematics	Assistant Professor	08/02/2016	100	100	100	YES	Regular	-
Dr. KanapartiKondala Rao	BQHPK9573L	M.Sc Ph. D	12/10/2018	Mathematical Modelling	Associate Professor	10/08/2017	100	100	100	YES	Regular	-
Dr.Paduru Venugopal Reddy	ABKPP2316F	M.Sc,Ph.D	20/04/1981	Physics	Professor	02/09/2009	100	100	100	YES	Regular	-
Mr. Ravi Venkata Chalam	AEAPR0440K	M.Sc	23/06/1997	Physics	Associate Professor	10/10/2010	100	100	100	YES	Regular	-
Dr. Mahesh Rajendran	ATSPM2918E	M.Sc, Ph.D	24/04/2015	Electronic band structure calculations	Associate Professor	22/09/2014	100	100	100	YES	Regular	-
Dr. AnandPandarath M	AVKPA8332J	M.Sc Ph.D	24/01/2017	Material Science	Professor	06/07/2015	100	100	100	YES	Regular	-
Mr. Chandu G	AKXPG4820D	M.Sc	20/04/2003	Pure Mathematics	Assistant Professor	20/08/2018	100	100	100	YES	Regular	-
Mrs.GeetadeviWarad	AVUPJ3617K	M.Sc	10/06/2007	Physics	Assistant Professor	01/08/2012	100	100	100	YES	Regular	-
Dr. Mamilla Laxmi	AVOPM7626D	M.Sc, Ph.D	29/08/2017	Physics	Associate Professor	19/01/2017	100	100	100	YES	Regular	-
Mr. Sagar Elle	ABBPE9438Q	M.Sc	25/04/2008	Physics	Assistant Professor	01/12/2014	100	100	100	YES	Regular	-
Mrs. Naga Kumari Gogisetty	ATFPG9932K	M.Sc	25/04/2007	Solid state Physics	Assistant Professor	11/09/2013	100	100	100	YES	Regular	-
Dr.A.Padmaja	ACIPM3453H	M.E/M.Tech, Ph.D	20/05/1997	Bio Technology	Professor	02/01/2012	100	100	100	YES	Regular	-
Mrs.AnnapurnaPaturi	AGRPA2024K	M.Sc	25/07/1983	Chemistry	Associate Professor	29/08/2011	100	100	100	YES	Regular	-
Mrs.RamyasudhaPemma da	BGCPP1354F	M.Sc	02/06/2007	Chemistry	Assistant Professor	08/10/2009	100	100	100	YES	Regular	-
Mr. RachalaMuralidhar	AUPPR1320P	M.Sc	15/05/2008	Organic	Assistant	24/06/2013	100	100	100	YES	Regular	-

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Reddy				Chemistry	Professor							
MrBaikaniNarsimlu	CQUPB5343P	M.Sc	12/06/2015	Organic Chemistry	Assistant Professor	19/12/2016	0	100	100	NO	Regular	31/01/2020
Mrs.Polturi Rama Devi	BJOPP2371K	M.Sc	08/05/2003	Organic Chemistry	Assistant Professor	09/08/2017	100	100	100	YES	Regular	-
Mrs. G Sujatha	FXCPS9141E	M.Sc	15/05/2008	Organic Chemistry	Assistant Professor	23/01/2019	100	100	100	YES	Regular	-
Mrs. Saritha B	BNUPK1117J	M.Sc	10/06/2005	Organic chemistry	Assistant Professor	04/10/2018	100	100	100	YES	Regular	-
Dr. P. Suresh	CMVPP5636C	M.Sc Ph.D	27/01/2015	Inorganic chemistry	Associate Professor	13/08/2018	100	100	100	YES	Regular	-
Mrs. Prathima	BPEPA8214C	M.E/M.Tech	10/01/2010	CSE	Assistant Professor	01/05/2018	100	100	100	YES	Regular	-
Mr M. Praveen	AUOPM5179Q	M.E/M.Tech	21/03/2012	Software Engineering	Assistant Professor	16/06/2012	0	100	100	YES	Regular	08/06/2020
Dr. Elizebeth Kamala	ABBPE1217D	M.A.Ph.D.	17/03/2019	English Language and Literature	Assistant Professor	18/07/2017	0	0	100	NO	Regular	31/07/2019
Dr. Ramesh Babu Jampana	AHOPJ2897F	M.A.Ph.D.	18/05/2018	Physical Education	Associate Professor	04/08/2003	100	100	100	YES	Regular	-
Mr. Arutla Ravi Kumar	BFGPA8907N	MA	06/07/2015	Sociology	Assistant Professor	18/07/2011	100	100	100	YES	Regular	-
Mr.Victor John Alexander	AKDPV6668G	MA	07/06/2008	Library Science	Assistant Professor	02/07/2015	100	100	100	YES	Regular	-
Dr.Sathyanarayana Reddy Bussa	AEQPB4177F	M.Sc, Ph. D	06/06/1989	Botany	Professor	29/09/2009	0	100	100	YES	Regular	31/05/2020
Mrs.SuneethaYedla	AFLPY4051R	M.Sc	09/06/2008	Environmental science	Assistant Professor	18/07/2011	100	100	100	YES	Regular	-
Md. Sharmila K	CWCPK0109G	M Sc	21/04/2004	Chemistry	Assistant Professor	10/04/2015	100	100	100	YES	Regular	

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Dr. MohammadNazeerunnisa	CCPPS1205Q	M.Sc &Ph.D	19/03/2019	Chemistry	Associate Professor	02/07/2014	100	100	100	YES	Regular	
Dr. DeepankarSenguptha	ATFPS0892P	MSc,Ph.D	15/05/1998	Physics	Professor	15/09/2011	0	100	100	NO	Regular	09/01/2020
Dr. Sadhu Srinivas Rao	CLCPS4172E	MScPh.D	12/04/2010	Chemistry	Associate Professor	14/07/2014	0	100	100	NO	Regular	25/01/2020
Dr. Kondaiah Gari Chalapathi	AWXPK1276B	MScPh.D	15/06/2010	Environmental sciences	Professor	04/10/2015	0	100	100	NO	Regular	14/01/2020
Ms.M.Lavanya	CTHPM1004Q	MSc	15/07/2003	Mathematics	Assistant Professor	02/11/2020	100	0	0	YES	Regular	-
Dr.V.Rajendar	AKBPV0300M	MSc PhD	28/07/2018	Physical Chemistry	Assistant Professor	05/09/2018	100	100	100	YES	Regular	-
Dr.K.Sareen Raj	DYQPK4527P	M.A Ph D	20/06/2014	Literature	Associate Professor	02/06/2018	100	100	100	YES	Regular	
Mr.M.Durga Prasad	AQNPM6884H	MSc	20/06/2004	Fiber Optical Communication	Assistant Professor	05/07/2018	100	100	100	YES	Regular	
Mr.D.Naveen	EZEPD0847P	MSc	15/06/2018	Opto Electronics	Assistant Professor	12/07/2018	100	100	100	YES	Regular	
Mr.PVenkateswaraReddy	AEVPP2784B	MSc	01/07/1975	Solid State Physics	Associate Professor	24/10/2013	0	100	100	NO	Regular	30/06/2020
Mr.N.Phani Kumar	AOWPN8387D	M.E/M.Tech	20/08/2013	Information Technology	Assistant Professor	08/05/2018	100	100	100	YES	Regular	-
Ms.K.Bhavya	COKPK8396B	M.E/M.Tech	20/07/2019	CSE	Assistant Professor	11/12/2019	100	100	0	YES	Regular	-
Mr.A.Sudarshan	BDWPA1757Q	M.E/M.Tech	15/01/2015	CSE	Assistant Professor	01/05/2018	100	100	100	YES	Regular	-
Mr.Y.Anjaiah	AHLPY2845B	M.E/M.Tech	16/11/2014	Software Engineering	Assistant Professor	01/05/2018	100	100	100	YES	Regular	-
Ms.T. Mounica	BNOPT4130N	M.E/M.Tech	22/07/2019	CSE	Assistant	08/08/2019	100	100	0	YES	Regular	-

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					Professor							
Sk.Sameerunnisa	BXVPS2870M	M.E/M.Tech	25/10/2010	CSE	Assistant Professor	23/05/2012	0	0	100	NO	Regular	30/04/2019
Ms.P.Lakshmi Sony	BEXPP2666D	M.E/M.Tech	18/11/2012	CSE	Assistant Professor	05/12/2018	100	100	100	YES	Regular	-
Ms.LakshmiHugar	APVPH1066F	M.E/M.Tech	22/05/2016	CSE	Assistant Professor	03/12/2018	100	100	100	YES	Regular	-
Ms.S.Vandana	AISPV0296K	M.E/M.Tech	18/09/2018	CSE	Assistant Professor	19/10/2018	100	100	100	YES	Regular	-
Mrs. Aruna Kumari	BAHPA6721L	M.E/M.Tech	14/12/2015	EPS	Assistant Professor	04/06/2016	100	100	100	YES	Regular	-
Mr.A. Praveen Kumar	BBNPP5769N	ME/M. Tech	22/12/2016	EPS	Assistant Professor	02/01/2017	100	100	100	YES	Regular	-
Mr. Hemanthkumar	CAOPP6530N	ME/M. Tech	22/12/2016	EPS	Assistant Professor	02/01/2017	100	100	100	YES	Regular	-
Mr. P. Satheesh	BTMPP8984J	ME/M. Tech	01/08/2015	EPS	Assistant Professor	04/01/2017	100	100	100	YES	Regular	-
Mrs. Prasanna	BPCPP9584N	ME/M. Tech	22/12/2013	PE & PS	Assistant Professor	02/07/2018	100	100	100	YES	Regular	-
T Sarada	AKYPT7975M	M.Tech (Ph.D)	20/11/2012	Soil Mechanics and foundation Engineering	Assistant Professor	01/06/2016	100	100	100	YES	Regular	-
A D Sandeep Kumar	CTYPK6029E	M.Tech (Ph.D)	15/10/2014	Highway Engineering	Assistant Professor	21/07/2016	100	100	100	YES	Regular	-
S Raghavendra	GBLPS5523Q	M.E/M.Tech	18/07/2015	Transportation Engineering	Assistant Professor	19/10/2016	100	100	100	YES	Regular	-
I Praveen Kumar Reddy	ACYPI7325Q	M.E/M.Tech	22/01/2015	Infrastructural Engineering	Assistant Professor	16/11/2016	100	100	100	YES	Regular	-
V Swathi	EHNPS6092G	M.E/M.Tech	12/12/2016	Structural Engineering	Assistant Professor	30/12/2016	100	100	100	YES	Regular	-
VithalBiradar	AXNPV3442R	M.E/M.Tech	12/12/2016	Structural Engineering	Assistant Professor	02/01/2017	100	100	100	YES	Regular	-

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K Roja	BFMPK8786B	M.E/M.Tech	15/11/2016	Structural Engineering	Assistant Professor	04/01/2017	100	100	100	YES	Regular	-
G Sathya Prakash	BEEPG8379B	M.E/M.Tech	15/07/2017	Structural Engineering	Assistant Professor	01/08/2017	100	100	100	YES	Regular	-
S Nagarjuna	HOWPS2510J	M.E/M.Tech	20/09/2018	Structural Engineering	Assistant Professor	20/11/2018	100	100	100	YES	Regular	-
V.Ramalingeswara Rao	ABHPV8255G	M.E/M.Tech	30/09/1995	Production Engineering	Assistant Professor	09/07/2010	0	100	100	NO	Regular	30/06/2020
S. Suneel Kumar	BTQPS1324B	M.E/M.Tech	30/09/2005	Advanced Manufacturing Systems	Assistant Professor	30/05/2011	0	100	100	NO	Regular	30/06/2020
Mrs. PasunuruSreevani	BLTPS6564G	M.E/M.Tech	01/11/2019	CAD CAM	Assistant Professor	20/02/2020	100	0	0	YES	Regular	-
Mr.Saif Bin Abdullah	BITPA5865P	M.E/M.Tech	01/11/2019	CAD CAM	Assistant Professor	26/02/2020	100	0	0	YES	Regular	-

Data for first year courses to calculate the FYSFR:

Year	Number of students (approved intake strength)	Number of faculty members (considering fractional load)	FYSFR	*Assessment = (5 ×20)/ FYSFR (Limited to Max. 5)
2018-19	1020	80	13	5
2019-20	1200	84	14	5
2020-21	1200	75	16	5
Average	1140	80	14	5

Table B.8.1

***Note:** If FYSFR is greater than 25, then assessment equal to zero.

8.2. Qualification of Faculty Teaching First Year Common Courses (5)

Assessment of qualification = $(5x + 3y)/RF$, x = Number of Regular Faculty with Ph.D, y = Number of Regular Faculty with Post-graduate qualification RF = Number of faculty members required as per SFR of 20:1, Faculty definition as defined in 5.1

Year	X	Y	RF	Assessment of faculty qualification $(5x + 3y)/RF$
2018-19	16	51	51	4
2019-20	18	58	60	4
2020-21	17	58	60	4
Average Assessment: 4				

8.3.First Year Academic Performance (10)

Academic Performance = ((Mean of 1st Year Grade Point Average of all successful Students on a 10-point scale) or (Mean of the percentage of marks in First Year of all successful students/10)) x (number of successful students/number of students appeared in the examination)

Successful students are those who are permitted to proceed to the second year.

Academic Performance	2019-20	2018-19	2017-18
Mean of CGPA or mean percentage of all successful students(X)	7.15	7.02	6.87
Total Number of successful students(Y)	240	238	230
Total Number of students appeared in the examination(Z)	240	240	239
API[X*(Y/Z)]	7.15	6.96	6.61

Average API[AP1+AP2+AP3)/3] : 6.91

Assessment =1.5* Average API:10.37

8.4. Attainment of Course Outcomes of first year courses (10)

8.4.1. Describe the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is done(5)

No.	Assessment tool	It's impact on course delivery/content	Relevance towards attainment of Course outcomes
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1	Mid-I & Mid-II	Two mid examinations per semester. The Question Paper will set from the first 2.5 units for the first mid examinations. Mid—II is from the remaining 2.5 units The weightage of mid examination is 20 Marks Average of two mid examinations considered for final mid examination marks.	CO1, CO2, CO3, CO4, CO5
2	Assignment-1& Assignment-2	Assignment questions are used to assess the Course Outcomes. The weightage of Assignment is 5Marks.	CO1, CO2, CO3, CO4, CO5
3	Evaluation of performance in the laboratories	In the laboratory hours continuous evaluation sheet is maintained to record the performance and regular activity of the student. This evaluation sheet record for 15 marks Internal Practical Examination will be conducted for 10 marks. The weightage of internal lab examinations is 25 marks. External lab Examination will be conducted for 50 marks.	CO1, CO2, CO3, CO4, CO5
4	Semester End Examinations	The question papers will set and evaluated by the external examiners. The weightage is 75 marks.	CO1, CO2, CO3, CO4, CO5

8.4.2. Record the attainment of Course Outcomes of all first-year courses (5)

S.No	Assessment Tool	Maximum marks	Threshold level (%)	Attainment level Criteria	Attainment level
1	Midterm Exams	25	60%	At least 70% of attempted students exceed the threshold level (60%) marks.	3

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				At least 60%-69% of attempted students exceed the threshold level (60%) marks.	2
				At least 50%-59% of attempted students exceed the threshold level (60%) marks.	1
2	Semester End Examinations	75	60%	At least 70% of attempted students exceed the threshold level (60%) marks.	3
				At least 60%-69% of attempted students exceed the threshold level (60%) marks.	2
				At least 50%-59% of attempted students exceed the threshold level (60%) marks.	1
3	Labs	75	60%	At least 70% of attempted students exceed the threshold level (60%) marks.	3
				At least 60%-69% of attempted students exceed the threshold level (60%) marks.	2
				At least 50%-59% of attempted students exceed the threshold level (60%) marks.	1

Direct Assessment Evaluation:

Assessment of course outcomes:

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Course outcome	Course outcome attainment level from internal assessment	Course outcome attainment level from university exams (Semester End Examinations)	CO Attainment
<i>CO Attainment</i>	(Mid-1+ Mid-2) /2= a_1	b_1	$0.25 (a_1) + 0.75 (b_1)$

As per university/IQAC guidelines 25% weightage is given to internal assessment and 75% weight age is given to external exam assessment.

Academic Year: 2018-19										BATCH: 2015-19									
IV B.Tech-I Sem																			
Course: EC																			
Faculty:																			
S.No	Reg.No	MID I Threshold 60%								MID-I	MID II Threshold 60%								Threshold 60%
		ASM - I (5)	Q1(2M)	Q2(2M)	Q3 A (1M)	Q3 B (1M)	Q4(5M)	Q5(5M)	Q6(4M)		ASM - II (5)	Q1(2M)	Q2(2M)	Q3 A (1M)	Q3 B (1M)	Q4(4M)	Q5(5M)	Q6(5M)	
1	15911A0102	4	2	2	1	1	3	2	2	17	4	2	1	1	1	2	3	3	17
2	15911A0103	5	2	2	1	1	2	2	3	18	5	2	2	1	1	4	5	4	24
3	15911A0105	5	2	2	0	1	4	4	3	21	5	2	2	1	1	4	5	5	25
4	15911A0106	3	2	1	1	1	2	2	2	14	4	2	2	1	1	2	4	4	20
5	15911A0107	2	1	1	1	1	2	2	1	11	2	0	2	1	1	1	2	2	11
6	15911A0108	5	2	2	1	1	4	3	3	21	3	2	2	1	1	2	3	3	17
7	15911A0109	3	2	2	1	1	2	3	2	16	5	2	2	1	1	2	3	3	19
8	15911A0111	4	2	2	1	1	4	4	4	22	5	2	2	1	1	4	5	5	25
9	15911A0112	3	2	2	1	1	3	3	2	17	4	1	1	1	1	4	4	4	20
10	15911A0113	4	2	2	1	1	3	3	2	18	5	2	2	1	1	4	5	4	24
11	15911A0115	4	2	2	1	1	4	4	3	21	5	2	2	1	1	4	3	5	23
12	15911A0117	5	2	2	1	0	3	3	3	19	5	2	2	1	1	4	4	4	23
13	15911A0120	4	2	2	1	1	5	5	4	24	5	1	1	1	1	4	4	3	20
14	15911A0121	4	2	2	1	1	3	3	2	18	4	2	2	1	1	4	4	4	22
15	15911A0122	5	2	2	0	0	3	2	3	17	3	1	1	1	1	2	3	3	15

Image of Direct Assessment Sheet

In the process of Direct Assessment Evaluation,

Mid - I & Assignment-I are mapped with CO 1, CO 2 & CO3

CO 1 is mapped with question no 1,3 & 4 of mid - I question papers and Similarly, CO 2 is mapped with question no 2 ,3&5, CO 3 is mapped with question no 6.

For Mid-II & Assignment-II are mapped with CO 3, CO 4 & CO 5.

CO 3 is mapped with question no 4, CO 4 is mapped with questions no 1,3&5 and CO 5 is mapped with question no 2,3&6 of mid - II question papers.

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ASSESSMENT OF CO's FOR THE COURSE																		
CO	Method	value	Avg	CO Attainment (Internal)	CO Attainment (End Exam)	Overall CO Attainment												
CO 1	ASM I	3	3.0	2.95	3.00	2.99												
	MID I - PART A - Q1	3.0																
	MID I - PART A - Q3 A	3.0																
	MID I - PART B - Q4	3.0																
CO 2	ASM I	3	3.0				2.95	3.00	2.99									
	MID I - PART A - Q2	3.0																
	MID I - PART A - Q3 B	3.0																
	MID I - PART B - Q5	3.0																
CO 3	ASM I	3	2.8							2.95	3.00	2.99						
	ASM II	3.0																
	MID I - PART B - Q6	3.0																
	MID II - PART B - Q4	2.0																
CO 4	ASM I	3	3.0										2.95	3.00	2.99			
	MID II - PART A - Q1	3.0																
	MID II - PART A - Q3 A	3.0																
	MID II - PART B - Q5	3.0																
CO 5	ASM I	3	3.0													2.95	3.00	2.99
	MID II - PART A - Q2	3.0																
	MID II - PART A - Q3 B	3.0																
	MID II - PART B - Q6	3.0																

Indirect Assessment Evaluation:

Assessment Tools	Assessment Frequency	Assessed by	Reviewed by	Assessing CO'S
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Course End Survey	At the end of the Course	Course Coordinators &IAC	IAC	CO1 – CO5
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8.5. Attainment of Program Outcomes from first year courses(20)

8.5.1. Indicate results of evaluation of each Relevant PO and/or PSO, if applicable (15)

PO Attainment:

Course	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
A21002 Mathematics I	2.42	2.42	2.42	2.42	2.42	2.26	-	-	1.61	1.61	1.61	1.61
A21003 Applied Physics	1.96	1.63	1.63	1.14	1.63	1.63	1.02	-	-	1.14	0.82	2.45
A21082 Applied Physics Lab	2.60	2.80	2.40	2.60	2.50	-	2.00	-	2.20	2.00	2.00	2.80
A21201 BEE	1.82	1.82	1.82	1.21	1.33	1.21	0.61	-	-	1.21	1.21	1.82
A21281 BEE Lab	2.20	2.00	2.80	2.00	1.00	2.00	1.00	-	-	1.00	2.00	2.00
A21301 EGM	2.18	2.18	1.98	1.39	1.98	2.38	-	-	-	-	-	1.59
A21081	3.00	3.00	-	2.00	-	2.33	-	2.00	2.00	3.00	1.00	3.00

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ELS Lab												
A21501 PPS I	1.95	1.95	1.95	1.95	1.95	1.30	-	1.30	1.95	1.95	0.65	1.95
A21581 PPS Lab I	3.00	3.00	3.00	3.00	2.00	2.00	-	2.00	3.00	3.00	1.00	3.00
A22006 Mathematics II	2.38	2.38	2.38	2.38	2.38	2.22	-	-	0.79	1.59	1.59	1.59
A22008 Chemistry	2.40	1.76	1.60	1.60	2.20	1.92	1.60	1.60	-	1.28	-	1.92
A22086 Chemistry Lab	3.00	2.00	1.00	1.67	2.75	2.00	1.75	1.20	1.00	1.00	-	2.40
A22005 English	-	2.31	1.99	2.98	-	2.48	1.99	1.99	1.99	2.98	0.99	2.98
A22084 ECS Lab	-	2.00	-	2.33	2.00	2.00	-	3.00	2.67	3.00	1.00	3.00
A22502 PPS II	1.90	1.90	1.90	1.90	1.90	0.63	-	1.27	1.90	1.90	0.63	1.90
A22582 PPS Lab II	3.00	3.00	3.00	3.00	2.00	1.00	-	2.00	3.00	3.00	1.00	3.00
A22382 EWS	1.67	1.00	3.00	1.00	2.33	3.00	-	-	1.00	2.00	-	-
Average	2.37	2.19	2.19	2.03	2.02	1.90	1.42	1.82	1.93	1.98	1.19	2.31

PO Attainment Level :

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.37	2.19	2.19	2.03	2.02	1.90	1.42	1.82	1.93	1.98	1.19	2.31

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CO Attainment	2.37	2.19	2.19	2.03	2.02	1.90	1.42	1.82	1.93	1.98	1.19	2.31
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PSO Attainment:

Course	PS01	PS02
A21002 Mathematics I	2.42	1.61
A21003 Applied Physics	1.47	1.63
A21082 Applied Physics Lab	1.80	1.80
A21201 BEE	1.46	1.46
A21281 BEE Lab	2.00	2.00
A21301 EGM	-	1.79
A21081 ELS Lab	-	1.00
A21501 PPS I	0.65	0.65
A21581 PPS Lab I	1.00	1.00
A22006 Mathematics	2.38	1.59

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II		
A22008 Chemistry	1.60	1.44
A22086 Chemistry Lab	1.80	1.60
A22005 English	-	1.32
A22084 ECS Lab	-	1.50
A22502 PPS II	0.63	0.63
A22582 PPS Lab II	1.00	1.00
A22382 EWS	1.00	3.00
Average	1.48	1.47

PSO Attainment Level:

Course	PSO1	PSO2
Direct Attainment	1.48	1.47
CO Attainment	1.48	1.47

5.2. Actions taken based on the results of evaluation of relevant POs .

(The attainment levels by direct (student performance) are to be presented through Program level Course-PO matrix as indicated)

POs Attainment Levels and Actions for improvement- (2019-20)

POs	Target Level	Attainment Level	
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PO1: Engineering Knowledge			
PO1	2.22	2.37	Target Level attained.
<ul style="list-style-type: none"> To enhance knowledge and improving the skillset of the students, emphasis on subjects like Mathematics, basic sciences and multi-disciplinary areas are laid. Explicit attention is paid to the students by assigning the topics chosen for improvement. 			
PO2: Problem Analysis			
PO2	2.03	2.19	Target Level attained.
<ul style="list-style-type: none"> Students are given assignments that would elevate their interest in the core sciences and these assignments are designed with respect to their mental abilities. Various concepts and strategies are adopted to attain the target in this regard. 			
PO3: Design/Development of solutions			
PO3	2.06	2.19	Target Level attained.
<ul style="list-style-type: none"> The students are offered the basic and key steps to designing concepts. Experiential design solutions are encouraged through science activities to address the societal needs. 			
PO4: Conduct investigations of complex problems			
PO4	1.87	2.03	Target level attained.
<ul style="list-style-type: none"> Assignments and tutorial classes are conducted in Mathematics-I, Engineering Graphics & Modelling that are integral for engineering programme. Challenges in achieving good results in these subjects have been addressed with the help of these strategies. 			
PO5: Modern tool usage			
PO5	1.92	2.02	Target Level is attained
<ul style="list-style-type: none"> More emphasis is laid on the ability to use modern tools in teaching learning processes, particularly in subjects such as Engineering Physics, Chemistry and I 			
PO6: The engineer and society			
PO6	1.74	1.90	Target Level attained.
<ul style="list-style-type: none"> Slip tests and assignments helped a lot in achieving better results in difficult subjects. 			
PO7: Environment and sustainability			

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PO7	1.26	1.42	Attainment level is almost
<ul style="list-style-type: none"> Guest lectures are organized by the experts from industry to expose the students to experiential learning. This strategy helped us meet the target exponentially. 			
PO8: Ethics			
PO8	1.62	1.82	Target Level attained.
<ul style="list-style-type: none"> Induction programme and Value-added courses were conducted that contributed to strong ethical culture for the overall development of the students. 			
PO9: Individual and team work			
PO9	1.72	1.93	Target Level attained.
<ul style="list-style-type: none"> Sessions on Soft skills, particularly in communication/ interpersonal skills are encouraged that contributed to the overall success. 			
PO10: Communication			
PO10	1.8	1.98	Target Level attained.
<ul style="list-style-type: none"> Various strategies have been developed and implemented in the form of literary activities to meet the target. Make-up classes for the students from vernacular background helped in addressing the challenge. 			
PO11: Project management and finance			
PO11	1.11	1.19	Target Level attained.
<ul style="list-style-type: none"> Engineering Mechanics and Engineering Physics are the subjects that were challenging for students. This challenge was met with the help of make-up classes and slip tests. 			
PO12: Life-long learning			
PO12	2.13	2.31	Target Level attained.
<ul style="list-style-type: none"> Assignments, tutorials and guest lectures by industry experts helped in meeting this challenge with better outcome. 			

PSOs Attainment Levels and Actions for Improvement- (2019-2020)

PSO1: The ability to design and develop Algorithms to provide optimized solutions for societal needs.			
PSO1	1.4	1.48	Target Level attained.
<ul style="list-style-type: none">Innovative teaching learning methods are practiced for the subjects that do not meet the target through Assignments & Tutorials.			
PSO2: Apply standard approaches and practices in Software Project Development through technologies.			
PSO2	1.35	1.47	Target Level attained.
<ul style="list-style-type: none">To promote study and research in diverse technical fields, students are exposed to guest lectures and make up classes.			

CRITERION 9	STUDENT SUPPORT SYSTEMS	50
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9.1 Mentoring system to help at individual level:

- Types of mentoring** : All round mentoring
Number of students per mentor : 20
Frequency of Meetings : Fortnight (and need based)


Mentoring process


Mentoring is for overall development of the student. Counseling books are maintained by faculty where all details of the students are recorded. The following details are maintained in the counseling book of each student:

- Personal Information
- Past Academic Performance
- List of academic achievements
- Monthly attendance

The mentors will meet the students periodically and monitor their performance and their progress. Guidance is given to students for the improvement. The followings are take care by each mentor.

- Monitoring Regularity of the students.
- Monitoring Performance of the students.
- Personal Counseling for Career Guidance
- The parents of poorly performing students are informed through SMS and call.
- Students are encouraged to participate in technical events.


VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
 Approved by AICTE, New Delhi, Accredited by AACSB & NBA, Permanently Affiliated to JNTU, Hyderabad
 An Autonomous Institution
 Aziz Nagar Gate, Himayath Nagar (V), C.B Post, Hyderabad- 500 075.
 Phone : 91- 8415-235300 / 399
 www.vjit.ac.in



STUDENT COUNSELING BOOK - 2016-20

Name: _____
 Roll No.: 16911AD571 CSE-D
 Branch: _____

COUNSELING RECORD

Student's Details:

Name: ADURI BALA DIVYA NIKITHA

Branch & Section: CSE-D

Roll No.: 16911AD571

Category: ✓ Convener quota (OC/BC/SC/ST/SPORTS/NCC/PII)/ Management quota

Parent's Details:

Father's Name: A. INNA REDDY Occupation: Crim Reporter

Mother's Name: A. ARUNA LATHA Occupation: Lab assistant

Contact No.: 9160387644 E-mail id: divyanikitha99@gmail.com

Office Address with contact No.: _____ Residential Address: _____

99 TV news channel
CR marked broad casting
Beside RT office
Kondapur, 500084

Flat No 402, abhinav heights, pleasant
valley colony, near harville, 500089
rangareddy, marikonda.

Languages known: Telugu, Hindi, English

Blood Group: _____

Hobbies: Browsing, listening to music, reading

Special Interests: Badminton, Singing



Past Academic performance

S.No.	Class	Year of pass	School/College	% of marks/Grade
1	10 th STD/ equivalent	2014	St. Ann's Girls High School	9.8
2	12 th STD/ equivalent	2016	Sri chaitanya	97%

List of Academic achievements (EAMCET/AIEEE Rank etc) Jr. college

- 15,918 - Eamcet
- 1,23,229 - JEE Mains

A. Nikitha
 Signature of the Student

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Fig 9.1.1 Sample mentor book to record the students' details from the first year to final year.

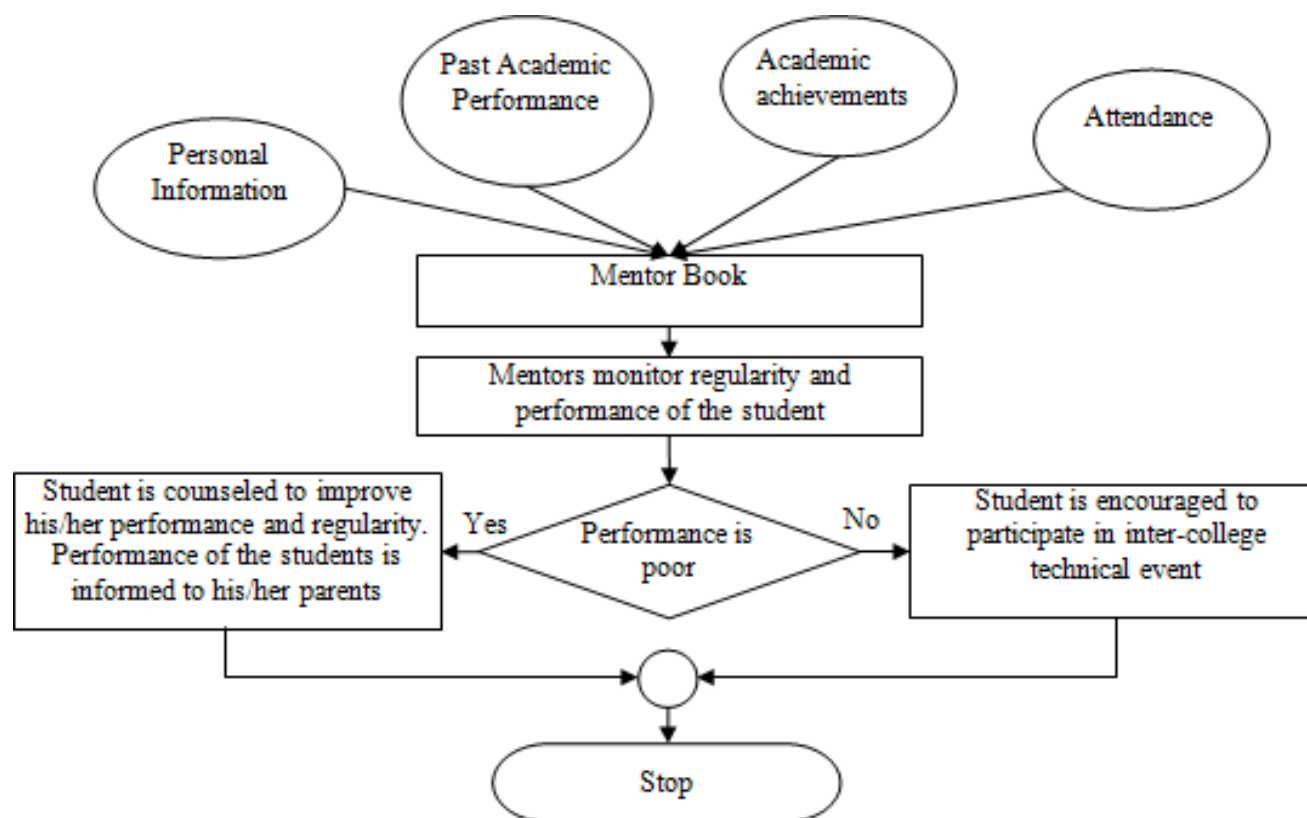


Figure9.1.2. Flowchart of Mentoring Process

By Implementing mentoring system in the Institute the following parameters are improved

Efficacy of mentoring system

S.No	Parameters	Outcomes
1.	Regularisation of Student Attendance	Enhanced learning process
2.	Academic Performance	Intellectual Curiosity
3.	Involvement of students in Co curricular Activities and Extra-Curricular Activities	Team Building,Effective Communication and Leadership Skills
4.	Guidance towards Self learning	More number of students enrolled for certifications
5.	Placements guidance	Enhanced Placements
6.	Counselling students towards overall well being	Improved self confidence , self esteem and holistic development
7.	Extended support to peer related issues in consultation with parents	Overcoming negative behavioural traits

9.2 Feedback analysis and reward / corrective measures taken, if any

Feedback collected for all course: YES

Average percentage of student's participation: 90% to 95%

Feedback collection process

Feedback on all the faculty members is taken from the students against the below mentioned parameters

1. Subject Knowledge
2. Communication
3. Presentation skills
4. Punctuality
5. Control over the class
6. Audibility
7. Professionalism
8. Content of Lecture
9. Clarification of doubts
10. Explanation with examples

Students are suggested to provide feedback in a scale of 1-10 against each parameter (1 being lowest and 10 being highest). Feedback is collected by using a web application which improves speed and efficiency of the process.

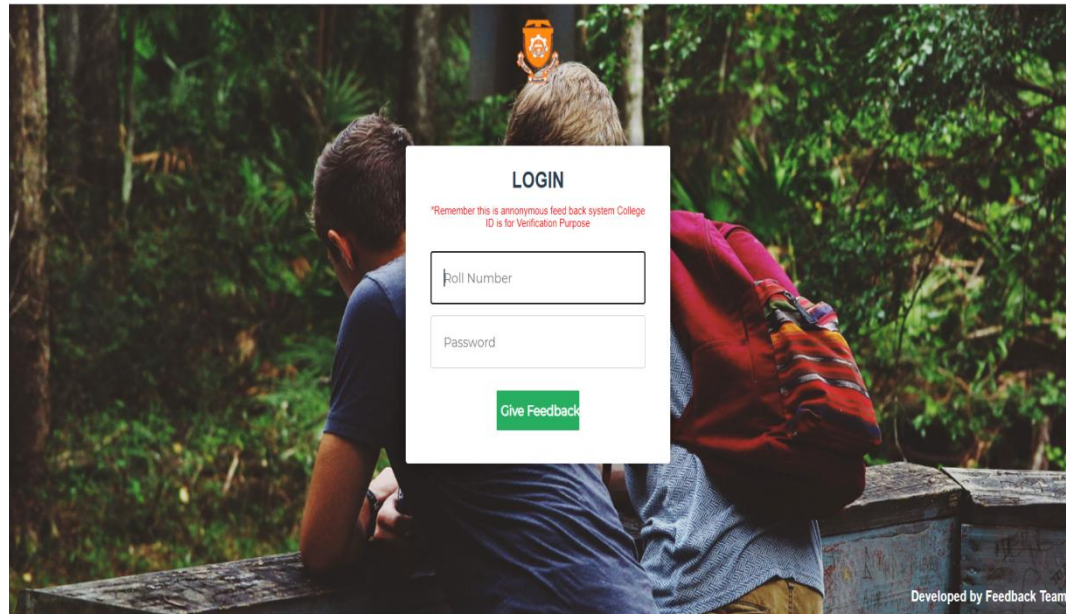
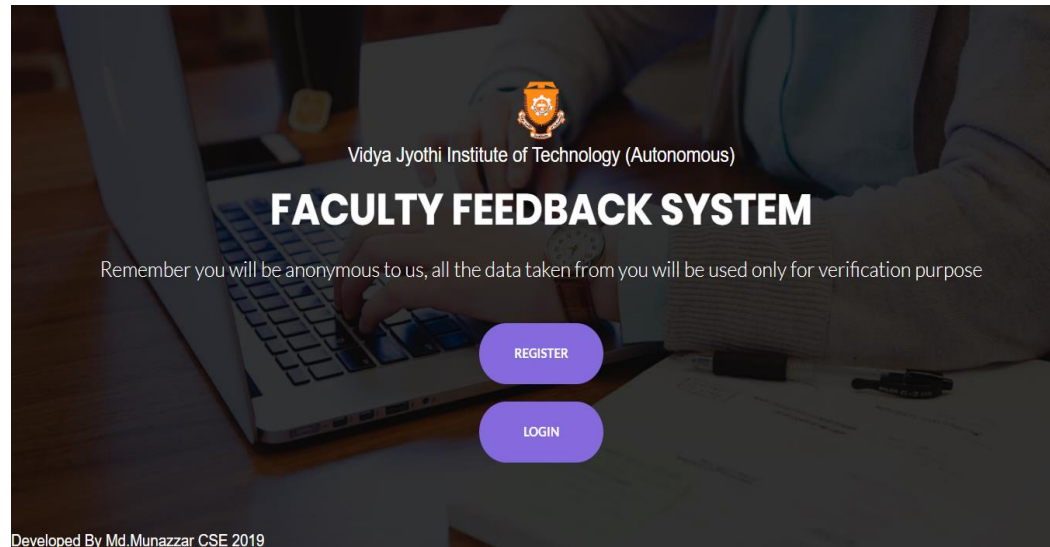


Fig 9.2.1 Feedback-form login

Figure 9.2.1 shows online feedback-form login for the students. Currently we are taking feedback through online feedback system and the faculty feedback system is developed by VJIT, Computer Science Engineering student 2019 batch. In this form the current semester theory and laboratory is display along with faculty member photo. The students has to fill the form and he/she gives feedback points from 1 (low) to 10 (high) for the measuring ten parameters mentioned above.

System of Reward:

Best Teacher award would be conferred to the faculty members who secure highest rating in feedback and also generate good results. Student feedback is one of the important parameters in performance rating of faculty

Corrective Actions:

Based on the students' feedback, faculty members are advised with relevant suggestions from Head of the Department.

9.3 Feedback on facilities

Facilities assessment is based on student feedback, its analysis and thereafter subsequently corrective action is taken. Below mentioned questionnaire is intended to collect information related to student's satisfaction towards facilities and services provided with in the college campus. Students are suggested to provide feedback for the following parameters on a qualitative scale ranging from 1 to 5

Student feedback form on facilities

Students should read each point carefully and award points as per the scale given below against each item. The scale is 1-5.

Not Satisfactory-1, Satisfactory-2, Good -3, Very Good-4, Excellent-5

S.No	Statement	1	2	3	4	5
1	Rate your satisfaction level on canteen facilities					
2	Rate your satisfaction level on transport facilities					
3	The campus has adequate power supply					

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4	The classrooms are clean and well maintained					
5	Do you have adequate facilities for Sports and Games					
6	The functioning of the health center					
7	Grievances/problems are redressed/solved well in time					
8	Available reading space in library/seminar is satisfactory					
9	The campus is green and eco-friendly					
10	Clean drinking water is available in the department and in the campus					
11	Toilets/washrooms are hygienic and properly maintained					
12	The office staff in the department are helpful					
13	Internet facility is available in the department					
14	Photocopying facility in the Library/Department					
15	The library/seminar staffs are cooperative and helpful					

The feedback is collected from the students through Google forms. The corrective measures will be taken based on the student feedback on facilities.

9.4 Self-Learning

Self-learning is promoted in the institute by providing following facilities:

- High speed Internet facility: Internet facility has been provided through Apollo online leased line and also through a private provider by installing receiver in the campus.
- Digital Library has been established in the central library with 35 computers.
- Technical Symposium
- E-Journals
- E-Learning Sites
- NPTEL video lectures
- Online courses and certifications
- Webinars
- Virtual labs

Apart from all these modes, we have student clubs “**Web club, Android Club, IOT club and AI Club**”. These are the platforms where students will intermingle with different years and performs a group activity like technical quiz competition, model preparation regarding core topics. These activities improve the core knowledge of the student.

Flexibility in academics with scope for self learning:

1. **Home-Work Assignment** is a regular feature being practiced with emphasis on solving numerical problems.
2. **Subject Specific Lectures** are arranged for each course to outreach the syllabus content boundary.
3. **Student Seminars** are arranged on topics related to practical being performed for helping them to understand the relation between theory and the need for the experiments. Every student has to participate in this program.
4. Bright students are encouraged to give seminars on current topics of interest allotted by the teachers.
5. Group discussion on student Project work monitored by the senior staff.

Scope for Self Learning

1. Emphasis on Laboratory Training:

Entrance to engineering education is based on multiple choice tests resulting in a memory base system to expose them to empirical experience, which is the base for science and technology education, we have adopted a procedure with major emphasis on practical's being performed beyond the syllabus requirement.

2. E-learning Resources for Students:

S.No	Medium for self learning	Available Place	Purpose
1	NPTEL Video Courses, NPTEL web courses.	Central library	Self-learning
2	E-Books (McGraw-Hill, Springer, Taylor and Francis, Cambridge, IS, Oxford),	Central library	Self-learning
3	Journals, AICTE-INDEST, IEEE, ASME, ASCE, DELNET N-LIST (INFLIBNET)	Central library	Self-learning
4	Books in the department library available for competitive exam like GATE, IES GRE, TOEFEL, and GMAT	Central library	Self-learning
5	Previous project reports	Department library	To extend the already existing project and getting new

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			innovative ideas in developing new projects
6	Digital Library	Central library	Self learning

- Modern teaching aids like Multimedia, Projectors, and Internet enabled Computer systems are used for class room instruction and to enhance student learning experiences.
- The students are also encouraged to use computer software packages for their Projects.
- Wi-Fi facility in the campus.
- Use of LCD projectors in the classroom.

Digital Library

- Established in the central library equipped by 35 computers with internet connection.
- CD Rom's around 1800 are available.
- Availability of e-Journals 1077 & e-books from NLIST 1,25,000
- Previous years question papers of JNTU/Autonomous for all the courses
- E-books for all the courses
- Lecture notes and lab manuals
- Project reports
- Support to students for self learning through NPTEL videos

List of Webinars

List of Webinars Conducted 2020-21

Webinar Title	Expert	Organization/Industry	Date
Computer Science and Engineering			
Next Generation Networks	Dr. Ramesh babu Battula	Asst. Prof., Malaviya National Institute of Technology, Jaipur	17 th July 2021
Software testing with UI Path	Mr. Raghavendra kumar Ch.	Principal quality assurance engineer, Prokarma, USA.	18 th December 2020

List of Webinars Conducted 2019-20

Webinar Title	Expert	Organization/Industry	Date
Computer Science and Engineering			
Data Engineering	Dr.Jothi Periasamy	Chief data scientist,CEO,Applied AI,USA	4 th February 2020
Artificial Neural Networks	Dr. Sridhar Swaminathan	Asst. Prof., Dept.of Computer Science Engg, Bennet University, Noida.	20 th December 2019
Microsoft SQL server development	Mr.I Rajesh Varma	Sr.Data base admin,NetEnrich,Hyderabad	24 th October 2019
Data Science	Mr.C.Mohan	Data Scientist.Tech Mahindra	11 th September 2019
SAP migration services to AWS	Mr.P.Manikanta	SAP ABAP Senior Consultant, Capgemini.	8 th August 2019
Artificial Intelligence	Dr.Jothi Periasamy	Chief data scientist,CEO,Applied AI,USA	11 th July 2019
Speaking of security: Privacy compliance	Felipe Lemaitre,Chris Longman	Senior Director,Microsoft	4 th July 2019

List of Webinars Conducted 2018-19

Webinar Title	Expert	Organization/Industry	Date
Computer Science and Engineering			
Introduction to Internet of things	Dr. Tanveer Ahmed	Asst. Prof., Dept.of Computer Science Engg, Bennet University, Noida.	6 th February 2019
Machine Learning Applications	Dr.Deepak Garg	Professor, Dept.of Computer Science Engg, Bennet University, Noida.	22 th January 2019
Deep Learning	Dr. Sridhar Swaminathan	Asst. Prof., Dept.of Computer Science Engg, Bennet University, Noida.	24 th October 2018
Software testing with selenium	Mr.Ch.Raghavendra Kumar	Quality Assurance Engineer,Prokarma,Hyd	17 th September 2018
Practical Oriented Approach for Engineering Course	Sowjanya Dundhigal	IUCEE	24 th August 2018
Participation of Industry in Curriculum Design and Delivery	Balasubramani R	IUCEE	13 th July 2018
Cloud computing and Salesforce CRM	Satish Sagi	Program Manager, LIVA IT services, Hyderabad.	28 th June 2018

Technical magazines and Journals

List of technology magazines and journals with free online contents are made available in the library to create the awareness among the students about the importance of new technologies.

Learning beyond syllabus: The professional chapters, technical clubs, students association and certification programs provide students a scope for self-learning. The following are the various activities conducted under various professional chapters.

Participation in IUCEE Annual student Forum events

S. No	Name of the Workshop	Venue	Date	Theme	Number of Participants
1.	8 th International conference on transformation in Engineering Education (ICTIEE-2021)	Online	8 th to 10 th January 2021	Transformation in Engineering Education	8
2.	IUCEE Student Summit 2020	Online	11 th to 13 th September 2020	Student Summit	6
3.	7 th IUCEE Annual Student Forum IASF 2020	Anurag Group of Institutions, Hyderabad	4 th to 8 th January 2020	Challenge for a Change	13
4.	6 th Indian Student Forum & ISEE-2019	Marri Laxman Reddy Institute of Technology	4 th to 6 th January 2019	Engineers Forging the Nation	14
5.	5 th Indian Student Forum & ISEE-2018	Institute of Technology & Management University, Vadodara	4 th to 6 th January 2018	Empowering for the Millennium : A Global Vision with Local Impact.	10
6.	4 th Indian Student Forum &	Vardhaman College of	4 th to 6 th January 2017	Infinite	4

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	ICTIEE -2017	Engineering, Hyderabad		Engineering	
7.	3 rd Indian Student Forum & ICTIEE -2016	College of Engineering, Pune	8 th to 12 th January 2016	Engineering Education without borders	5
8.	2 nd Indian Student Forum & ICTIEE- 2015	B M S College of Engineering, Bangalore	4 th to 8 th January 2015	Transformation in Engineering Education	4
9.	1 st Indian Student Forum- 2014	B V B College of Engineering, Hubli	14 th to 16 th January 2014	21 st Century Grand Challenges	4

List of Regional SPEED workshop conducted at VJIT

S. No	Name of the Workshop	Date	Theme	Number of Participants
1	Regional Student Forum – 2018	29 th September to 1 st October 2018	Fostering Engineers of Tomorrow	65
2	Regional Student Forum – 2017	7 th to 9 th September 2017	Empowering the Millennials	42
3	First year student workshop	2 nd March 2017	Effective Engineering Education	22
4	3 rd Regional student forum	1 st to 3 rd September 2016	Engineering Education for Multifaceted Engineers	10
5	2 nd Regional Student Forum -2015	3 rd to 5 th August 2015	Engineering Education for Multifaceted Engineers	18
6	E-Myths workshop	12 th September 2015	What is Engineering? What do Engineers do? And the importance of being an Engineer	28
7	1 st Regional Student Forum -2014	15 th to 17 th September 2014	Engineering Education Without Borders	18

Regional SPEED workshops conducted by VJIT Students

S. No	Name of the college	Date	Place
1	Anurag Group of Institutions Annual Student forum	4 th to 8 th January 2020	Hyderabad
2	MLRIT	4 th to 6 th January 2019	Hyderabad
3	Anurag College of Engineering	12 th to 16 th November 2018	Hyderabad
4	MVJ College of Engineering	15 th to 17 th September 2017	Bangalore

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5	MLR Institute of technology	30 th August to 1 st September 2017	Hyderabad
6	MLR Institute of Technology	30 th August 2017 to 1 st September 2017	Hyderabad
7	SR Engineering College	15 th to 17 th September 2016	Bhimavaram
8	MLR Institute of technology	19 th to 21 st September 2016	Hyderabad
9	Vignan Institute of information & technology	17 th to 19 th August 2016	Vizag
10	ABES Engineering College	30 th August 2016 to 2 nd September 2016	Noida
11	SR Engineering College	6 th to 8 th August 2015	Warangal
12	AMITY University	9 th to 11 th September, 2015	Noida
13	Pulla Reddy Eng.College	23 rd to 25 th July, 2015	Kurnool
14	Mangalam College of Engineering	27 th to 29 th July, 2015	Kerala
15	BH Gardi College of Engineering & Technology	27 th to 29 th July, 2015	Rajkot
16	HITAM Engineering College	18 th to 20 th July, 2015	Hyderabad

Virtual Labs: Institute has IIIT, Hyderabad virtual labs nodal center, through this center students are accessed to labs through online. The following listed laboratories are accessed by our students.

1. Problem Solving Lab
2. Artificial Neural Networks Lab
3. Data Structures Lab
4. Computer Programming Lab
5. Python Programming Lab
6. Java Programming Lab

This helped our students in learning basic and advanced concepts through remote experimentation.

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Online Courses:

2019-2020						
Name of the value added courses (with 30 or more contact hours) offered during last five years	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Java J2EE Training		2019-20	1	30 Hours	50	50
CISCO						
Programming Essentials in Python	2018_IT	2019-20	2	70 Hours	66	55
Programming Essentials in CPP	2018CPP	2019-20	1	70 Hours	58	43
IIT Bombay Spoken Tutorials						
Linux		2019-20	1	12 weeks	43	43
C & CPP		2019-20	1	12 weeks	14	14
2018-2019						
Name of the value added courses (with 30 or more contact hours) offered during last five years	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Java J2EE Training		2018-19	1	30 Hours	58	58

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CISCO						
Programming Essentials in Python	2018_IT	2018-19	1	70 Hours	56	22
IIT Bombay Spoken Tutorials						
JAVA		2018-19	1	12 weeks	30	30
PHP & MySQL		2018-19	1	12 weeks	16	16
Drupal		2018-19	1	12 weeks	15	15
2017-2018						
Name of the value added courses (with 30 or more contact hours) offered during last five years	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Python Programming	NA	2017-18	1	30 Hours	55	55
Database & SQL	NA	2017-18	1	30 Hours	56	56
Java J2EE Training	NA	2017-18	1	30 Hours	57	57
2016-2017						
Name of the value added courses (with 30 or more contact hours) offered during last five years	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Python Programming	NA	2016-17	1	30 Hours	60	60
Database & SQL	NA	2016-17	1	30 Hours	60	60
Java J2EE Training	NA	2016-17	1	30 Hours	48	48

QLIK Certifications

Sl.No	Year	No .of Certifications
1	2019-20	84
2	2020-21	50

Cisco Certifications:2020-21

Course name	Completed
Programming essentials in CPP	78
Python Programming	76

course name	completed
Linux essentials	70
IoT Fundamentals	95
Programming essentials in Python	78

Coursera: VJIT registered with Coursera for self study during pandemic covid -19. The students are completed around 2000+ certifications in various domains of Computer science and Engineering.

9.5 Career Guidance, Training, Placement Cell

Institute established Career guidance cell to support the students in preparing for competitive exams. Career Guidance cell provides excellent guidance and all the support to the students in order to achieve their career goals.

Career and guidance Cell team:

NameoftheFaculty	Designation
Dr.G.SreeramReddy	Convener
Dr.D.ArunaKumari	Member
Dr.K.Vasanth	Member
Mr.B.Srinivasulu	Member
Dr. C.N.Ravi	Member

Objectives of the Career Guidance Cell:

- To provide information about various career options available to the students,
- To conduct a survey among students on their career options
- To organize programs and to create awareness about the importance of higher studies in India and abroad.
- To organize diagnostic tests for the competitive exams such as CAT, GRE, TOEFL, GMAT and to counsel them for higher studies
- To organize coaching classes on CAT, GRE, TOEFL, GMAT etc.
- To organize and offer various programs on Personality Development, Soft Skills and Communication Skills.
- To invite companies' organizations for campus interviews and provide them necessary facilities for conducting written test, group discussion, technical and HR interviews etc.
- To arrange industrial visit for pre final year and final year students.
- To organize mock interview, group discussion, experience sharing by eminent personalities, business communication skills and conduct online/offline tests on problem solving and aptitude tests.
- To display various job advertisements, opportunities and career column in leading news papers.

Career Guidance for Higher studies:

Institute received a funding of Rs.8,49,997/- from AICTE Prerana – 2019 Scheme for preparing SC/ST Students for Higher education.

- The Institute organizes seminars, workshops on soft skills and placement orientation program to impart the skills and guidance for higher education to the students.
- Language lab has interactive software which enables the students to prepare for GRE and TOEFL examinations.
- Large number of books on career guidance and competitive examinations are available in Library

Under career guidance cell, students are trained for British English Council (BEC) program. BEC is a certification course given by Cambridge English. It is associated to the Common European Framework of reference for Languages. Some employers require non-native speakers of English to demonstrate a qualification and proof of training in the English language, before offering an interview or a job in some client servicing roles. This certificate is one of the myriad of certificates on offer. Out of the 115 students appeared for BEC Preliminary B1 Level exam from Telangana Academy for Skill & Knowledge TASK, 19 students are from VJIT. Among them 5 students topped the exam and got B2 Level of certification i.e. *BEC Vantage*. The remaining 14 students got through the exam with good grades.

The following CSE department students are certified in the BEC program

SL.No	Roll.No	Name	Branch	Year
1	16911A0506	ASKANI NAVANEETHA	CSE	2019
2	16911A05C9	BANDI NIKHILA	CSE	2019
3	16911A0570	DEEPTHI SRIPADA	CSE	2019
4	16911A05F1	MAKAM SRI TEJA	CSE	2019
5	16911A05D2	CHINTHA NAGA VENKATA MOUNIKA	CSE	2019
6	16911A0533	MATTA NANDITHA	CSE	2019
7	16911A05N5	RAYABARAPU POOJITHA	CSE	2019
8	16911A05A3	PRADHYUMNA SONI	CSE	2019
9	16911A05N0	PRERANA CHEGURU	CSE	2019
10	16911A05P7	MUDDARALA PRIYANKA	CSE	2019

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11	16911A05G8	RAYANA DIVYA	CSE	2019
12	16911A0502	ALLAM MEGHNA	CSE	2019
13	16911A05H0	RYAGALLA VAISHNAVI	CSE	2019
14	16911A05F8	P SAKETH REDDY	CSE	2019
15	16911A05D4	DHORI SREEJA	CSE	2019
16	16911A05M6	PALLA SUSMITHA	CSE	2019
17	16911A05P6	VOBAIGARI SWETHA	CSE	2019
18	16911A05P0	TARINE DEEPTHI	CSE	2019
19	16911A0558	Y MAMATHA YADAV	CSE	2019
20	16911A05E3	K VINAY KUMAR REDDY	CSE	2019
21	16911A0525	K VINITHA REDDY	CSE	2019

Apart from the BEC program our students are also certified in *Hindu STEP* (Standardized Test of English Proficiency) and College to Corporate.

Hindu STEP

Hindu STEP is an English certification program conducted by the Hindu group and Vidya Jyothi Institute of Technology. In this platform students had a pleasure to take up this particular course which consists of 60 hours under which, 40 hours of online course and 20 hours of face to face training.

College to Corporate

C2C program is primarily targeted at pre-final and final year students, to help students prepare for the corporate world, and perform better in the recruitment process. Corporates that recruit the final year students have certain expectations from their prospective employees. If the students/candidates are made aware of these expectations and the skills required fulfilling these expectations, their journey from College to Corporate would become easier. C2C program will be conducted using the hybrid/blended MOOCs pedagogy participants learn online, or also through face-to-face interaction.

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List of activities conducted under career Guidance cell:

S.No	Date	Name	From	Topic
1.	13 rd August 21	Ritu Ashar	Co-Founder& Chief learning Officer	AWS Cloud Computing
2.	08 th August 21	Yeshwanth Chintaginjala	Software Development Engineer II At Paypal	Preparation Strategies For Product Base Companies
3.	06 th August 21	Sandeep	Triumphant Institute Of Technology Education Pvt.Ltd	Carrier Oppurtunities Preparation Strategy Through GATE-22
4.	03 rd August 21	Sri Harsha	TCS Careers	Ninja Hiring Process
5.	10 th July 21	Sree Latha Shankar	Head-Ameccaz	Cyber Security Services Campus to Corporate Orientation
6.	03 rd July 21	Bhagwan Gorti	CEO& Founder Positive Solutions	Integrated Information System Enterprise Excellence
7.	27 th June 21	Hardik Nahata	AI Engineer,Aspecto Technologies	Machine Learning in Alexa Works
8.	25 th June 21	Sushma patur	Times Of India	Impact of COVID-19 on Students career & how to be Exam Ready in Pandemic
9.	19 th June 21	KrishnaKumar Dev	Talentio	Manage To get 1 Crore Package From Amazon
10.	13 th June 21	Aniket Chile	Experts Insights on Cognizant	How To Crack Cognizant
11.	06 th June 21	Rajeev Markanday, Palash Gupta	Hitbullseye	Career Options After Graduation
12.	05 th June 21	Siddharth Ghosh	Talentio	Journey of Life in Pandemic
13.	04 th June 21	Venkata Ramana Reddy,Sandeep Bandari	JNTU	About Gate,Jobs& Higher Education Opportunities
14.	21 st May 21	Karthikeyan	R&D Scientist in Robotics Controls	Webniar On Robotics
15.	13 th May 21	Code Chef Team	Code Chef	Coding Contest
16.	15 th December 2020	Niketa Dediha	Principal consultant, Exponent consultancy, USA	Higher education opportunities in Germany & Europe
17.	10 th October 2020	MR.Karthik Ganapathi	CEO-VSG Software solutions	Importance of student chapters in engineering education

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18.	3 rd October 2020	M.S.R.Murthy	Sr. Consultant, TCS	Engineering a build skill switch from college to job
19.	2 nd October 2020	Dr.Srinivasrao	Vice president, Tech & Research Ramky Enviro Engineers pvt Ltd	Circular Economy
20.	26 th September 2020	Prof Sunil Kumar Garg	California State University	Higher studies in USA ,Canada, Australia
21.	14 th August 2020	Pooja Tak	Nasa Space Apps Challenges	Nasa Space Apps Challenges
22.	29 th may 2020	Dr.Palla Rajeswarreddy	Chairman, Anurag University	How covid-19 lockdown has created new challenges
23.	28 th January 2020	K M Daviel	FACE	Technical Workshop
24.	4 th October 2019	Mr. Vinod	Sales force	How to Clear sales force certification
25.	1 st October 2019	Mr. Sudipta,	Director, Lean Techno	Importance of Lean Certification
26.	14 th September 2019	Mr. Quazi	HPE	How to improve coding skills
27.	29 th August 2019	Mr. Sathish	Gillette Men's grooming & Sakshi Media	How to get internships
28.	27 th August 2019	Ms. Aditi & team	Machint Solutions	Robotics and AI
29.	4 th July 2019	Mr. Balaji Srinivasan	Virtusa	What industries looking for?
30.	4 th July 2019	Mr. Krithivasan	Virtusa	How to crack virtusa Neural Hackathon
31.	10 th December 2018	Mr. T.Sridhar	Hyderabad Institute of Electrical Engineers	Importance of Core Engineering
32.	29 th September 2018	Mr. Praveen Kamath	Wipro	Career Guidance in Software Industry
33.	17 th August 2018	Mr. Muquayyar Ahmad	Upgrade	Data Science, Machine Learning and Full Stack
34.	17 th August 2018	Mr. Ravi Joti	Upgrade	Data Science, Machine Learning and Full Stack
35.	14 th May 2018	Mr. Siddharth	Toast Masters	Public Speaking
36.	20 th January 2018	Mr. Emmanuel	Epam Systems	Orientation
37.	20 th January 2018	Ms. Akhila	Deloitte	Orientation
38.	20 th January 2018	Mr. Sharath	Radio Mirchi	Orientation
39.	29 th December 2017	Mr. Jayanth Challa	ACE Info Solutions	Info on US Degree Programs

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40.	8 th December 2017	Mr.Venkat Kanchanapally	Suntek Corporation	Importance of Pre-Placement Training
41.	8 th December 2017	Mr. Jaffar	Talentio	Scope of Cloud Computing services
42.	3 rd November 2017	Ms.Pooja Jain	Amazon	Information on WebServices
43.	28 th October 2017	Mr. Sainath	Cogent	Scope in Information Management Services
44.	7 th October 2017	Mr. VK.Kishore	Sentini Geosol	Current Market changes
45.	15 th September 2017	Mr. Prasad Kodukulla	Cyient	Scope for Mechanical Engineers
46.	22 nd August 2017	Mr. Pankaj	Qlik Software	Data Analytics
47.	27 th July 2017	Mr. Shankar	Advantics	Big Data Analytics
48.	17 th June 2017	Mr. Dinesh Chandrasekhar	Hitachi Consultancy	Engineering the Digital Future
49.	9 th June 2017	Mrs. Ishitha Tripathi	Deloitte	Corporate Readiness
50.	6 th June 2017	Mrs. Akhila M	Deloitte and RJ, Mirchi 95	Life Skills
51.	6 th June 2017	Mrs. Ruchi Saha	Change-inc	Skills for Tomorrow
52.	5 th June 2017	Mr. Emmanuel Gosula	Epam Systems	Disruptive Technologies
53.	29 th May 2017	Mr. Krithivasan Siva	Virtusa Polaris	Industry Readiness
54.	13 th February 2017	Dr.Balaji Utla	Kria Health Ltd	Innovations Health Care in India
55.	13 th February 2017	Ramesh	Kria Health Ltd	Internship Benefits
56.	7 th February 2017	Garima Kapoor	ETS Career Guidance	Career Guidance in GRE,TOFEL
57.	5 th February 2017	Sanjay Narang	Made Easy	Career Guidance in Gate

Training & Placement

The placement cell is headed by **Mrs. Shikha Kaushal**, placement officer coordinates with department coordinators to communicate the placement related information to the students and for necessary information to be collected.

Name	Designation	Department
Mrs. Shikha Kaushal	Head-Training and Placement.	Training & Placements
Mr. Y. Praveen Kumar	Assistant TPO	Training & Placements, CSE
Mr. Shaik Ismail	Assistant TPO	Training & Placements, Mech
Ms.Y.Sree Chaitanya	Data Analyst	Training & Placements
Mr. Vijay Babu	Aptitude and Problem Solving Trainer	Training & Placements
Mr. Yogesh Raghavwar	Faculty Coordinator	CSE
Ms. Manasa Thogaru	Faculty Coordinator	CSE
Mr. Hussain Shaik	Faculty Coordinator	EEE
Ms. Vijay Lakshmi	Faculty Coordinator	EEE
Mr. Venkatesh Saleti	Faculty Coordinator	Mech
Mr. Subhanvali Shaik	Faculty Coordinator	ECE

Mr. Akram	Faculty Coordinator	ECE
Mr. M. Suresh Babu	Faculty Coordinator	IT
Mrs. Kavita	Faculty Coordinator	MBA
Mr. Raghavendra	Faculty Coordinator	Civil
Ms. Azra Amreen	Faculty Coordinator	AI

Training & Placement Process

The Training and Placements Cell of Institute applies a unique concept to get the maximum result. At 2nd year level it provides common placement oriented training for all the students. In that time students are taught with basics of aptitude, logical reasoning, verbal ability and C coding. At 3rd year level they are given a choice to enroll for placements if they are interested in. The registered students are issued a placement ID card with unique placement ID. Normal observation is – around 70% of students enroll for the placements.



Students are provided with about 120 hrs of Verbal, 120 hrs of Quant and Problem Solving and about 200 hrs of core training. So from 2nd year to 4th year each job aspiring student gets about 400 hrs of Industry Readiness Training. The total training also includes Company Specific dedicated training to improve the competency of the students.

We also invite Guests from Industry and arrange seminars on Skill Development and technical talks and many other topics. The main objective of conducting these seminars by industry professionals is to fill the gap bridge between Industry and Academia.

Campus Placement Procedure:

- Invitations are sent to companies/organizations in the form of brochures with relevant information along with response sheets enquiring about the recruitment details, Soft copies of the brochure and response sheet are also sent.
- The company fills the response sheet and sends it by e-mail post to the Training and Placement Department, VJIT.
- Once the details are received, the placement officer and coordinators get in touch with the company and a mutually convenient date is fixed for the Campus Placement process.

Many of the companies follow below procedure to hire students:

1. Online Test on Aptitude and Technical subjects
2. Group Discussion
3. Technical Interview
4. HR Interview

9.6 Entrepreneurship Cell

EDC (Entrepreneurship Development Cell) of the institute is committed to encourage entrepreneurship among students. The center invites various renowned entrepreneurs to share their experiences. Lectures and awareness programs are regularly conducted to enlighten the students about the joys and problems of entrepreneurship. Guest lectures are conducted throughout the year to involve the students in the various activities.

Objectives of EDC

- To organize Entrepreneurship Awareness Camps, Entrepreneurship Development Program. Faculty Development Programs and Skill Development Programs in the institution for the benefit of students
- To motivate and develop entrepreneurship among the students

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- To initiate innovative student projects each year for new innovative product development
- To arrange interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs.

Fund Received

Received a sponsorship for conducting Entrepreneur awareness program from DST NIMAT in the academic year 2018-19 an amount of Rs. 1,00,000/- and in 2019-20 an amount of Rs. 20,000/-. Under this total 6 awareness workshops conducted to the final year students.

EDC List of Committee members are given below

S.No	Name	Position	Department
1	Dr. E. Saibaba Reddy	Chief Patron	Director
2	Dr. A. Padmaja	President	Principal
3	Dr. M. Vadivel	EDC Coordinator	ECE
4	Dr. B. Vijaya Kumar	Member	CSE HOD
5	Dr. K. Vasanth	Member	ECE HOD
6	Dr. Sreeram Reddy	Member	MECH HOD
7	Prof. Srinivasulu	Member	IT HOD
8	Dr. Pallavi Badry	Member	CIVIL HOD
9	Dr. A. Srujana	Member	EEE HOD
10	Dr. P Chakradhar	Member	MBA HOD
11	Mrs. T. Deepika	Dept. Coordinator	CIVIL
12	Mr. K. Srinivasa Rao	Dept. Coordinator	CSE
13	Mrs. M. Vijaya Shanthi	Dept. Coordinator	IT
14	Mr. S. Saravanan	Dept. Coordinator	ECE
15	Mrs. V. Vijaya Lakshmi	Dept. Coordinator	EEE
16	Mr. S Prasad Kumar	Dept. Coordinator	MECH
17	Mrs. Suneela Bharathi	Dept. Coordinator	MBA

Incubation Centers

The Institute has Two Incubation Centers,

- MSME Recognized Business Incubation center with registration ID : HI/BI Registration Number : HIBITS000288 with effective from 10th January 2020
- Data Ready Technology Corp. a Canada corporation, located in Toronto, Ontario, Canada with effective from 19th February 2019 to 18th February 2021

List of Activities

S. No.	Date	Activity	Name of the Resource Person
1	24.08.21	International webinar session on “The Risks & Rewards of Being an Entrepreneur”	Mrs.Ritu Ashar, Co-founder & Chief Learning Officer, Workfall, Singapore
2	04.05.21	Orientation session on “Govt. schemes for startup & Qualities to Become a Successful Entrepreneur”	Mr. Mohan E, CEO, Infinite Desire Entrepreneurship Solutions, Chennai, Tamilnadu
3	08.04.21	Orientation session on “Entrepreneurship & Innovation Management”	Mr. Rajeev YSR, Vice President -Business Strategy, ETO Motors Pvt. Ltd., Hyderabad.
4	27.01.21	Orientation session on “National Innovation and Startup Policy (NISP)”	Dr. RajaniKanth Aluvalu, HOD/CSE Department, Vardhaman College of Engineering, Hyderabad
5	11.01.21	Orientation session on “National EducationPolicy (A focus on Innovation andEntrepreneurship)”	Mr S Mahaboob Hussain, Vice President, Consulting Services, Basha Research Corporation (BRCorp), Hyderabad.
6	07.01.21	Webinar on “Legal Patent filing procedure in India”	Mrs. Pooja Kumar, Founder & Director, Innove Intellects, Ghaziabad.
7	02.01.21	webinar on“Idea to Invoice (i2i) , A Successful Innovator Journey”	Dr.Dinesh Chandrasekar, Chief Innovation Officer, Pactera Edge, Hyderabad

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8	28.12.20	Workshop on “Entrepreneurship and Innovation as Career Opportunity”	Mr.KALYAN.K, Founder & CEO EduTech Innovations, Hyderabad.
9	23.12.20	Webinar Session on “Problem Solving and Ideation Workshop”	Mr.Madhu Parvathaneni, Managing Director madBlocks Technologies Pvt. Ltd., Hyderabad.
10	10.10.20	Webinar on “Business plan - A route map to success”	Dr. M. Anil Ramesh, Professor -Marketing & Strategy Siva Sivani Institute of Management, Hyderabad
11	03.10.20	Webinar on “Decoding the Entrepreneur Journey: CVRINDIA Innovations”	Mr.Sanjay Sanju, Founder & CEO CVRINDIA,Bangalore, Karnataka
12	26.09.20	Webinar on “Startup Ideas and Incubation Support from Government Schemes”	Dr. R. HAFEEZ BASHA, Director, International Relations, Incubation Center,Ashoka Group of Institutions, Hyderabad
13	19.09.20	Webinar on “Innovation & Entrepreneurship ”	Dr. Shanta Thoutam, Innovation/ Startup, Evangelist & OSD(Textiles) ,Govt. of Telangana, Hyderabad
14	19.08.20	Webinar on Ideation to Patenting	Mr.Balaji Devarajan, Head – Centre for IPR, KPR institute of Engineering and Technology
15	09.07.20	Webinar on The Power of Innovative Entrepreneur	Mr.Mohammed Vaseem Siddiqui, Managing Director Flivv Web Development Pvt. Ltd.
16	03.02.20	One Day Workshop on Starting up for a cause	Mr Kishore Vodapally, Head of BD & Marketing, ALC India Ltd., Ms Sneha Kulukuru, Technical Consultant, ALC India Ltd.,
17	03.10.19 - 05.10.19	3 Day Workshop on Entrepreneurship Awareness Camp under DST-NIMAT 2019-20 sponsored by NSTEDB, New Delhi and EDII, Ahmedabad	Mr.Lokesh Nathany,Founder , DiSRUPt Thinking K. C.Choudhury, Asst. Director, MSME-Development Institute Dr.V.Vishnu Vandana, Associate Professor, Anurag Group of Institutions Dr. Nandita Sethi, Founder & Managing Director,The Entrepreneur Zone Mrs. P. Suneela Bharathi, Associate Professor, VJIT Mrs. J.Sreedevi,Assistant Professor, VJIT Mrs. K. Kavitha,Assistant Professor,VJIT Dr. P. Chakradhar,Professor,VJIT

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18	05.03.19 - 07.03.19	3 Day Workshop on Entrepreneurship Awareness Camp under DST-NIMAT 2018-19 sponsored by NSTEDB, New Delhi and EDII, Ahmedabad	Mr. Surender Chowdary, Manager, JIO, Mumbai Mr. P. Sridhar, Chief Executive, Peacock Finance Mr. G Nikeelu, Founder, Digital Connect
19	25.02.19 - 27.02.19	3 Day Workshop on Entrepreneurship Awareness Camp under DST-NIMAT 2018-19 sponsored by NSTEDB, New Delhi and EDII, Ahmedabad	Dr. Radhika Meenakshi Shankar, Entrepreneurship Management Consultant, Wise Owl Consulting Services Dr. Vandana, Asso. Professor, Anurag Group of Institutions Mr. GulshanBist, Assistant Director, MSME-DI, Mr. P. Sridhar, Chief Executive, Peacock Finance Mr. Sri Charan, Founder, StuMagz
20	21.02.19 - 23.02.19	3 Day Workshop on Entrepreneurship Awareness Camp under DST-NIMAT 2018-19 sponsored by NSTEDB, New Delhi and EDII, Ahmedabad	Ms. Suneela Bharathi, Associate Professor, VJIT, Dr. Vandana, Asso. Professor, Anurag Group of Institutions Mr. GulshanBist, Assistant Director, MSME-DI, Mr. M. Rama Rao, Professor, NEC, Narsaraopet
21	14.02.19 - 16.02.19	3 Day Workshop on Entrepreneurship Awareness Camp under DST-NIMAT 2018-19 sponsored by NSTEDB, New Delhi and EDII, Ahmedabad	Dr. Vandana, Asso. Professor, Anurag Group of Institutions Dr P Chakradhar, Professor, VJIT Mr. GulshanBist, Assistant Director, MSME-DI, Mr. P. Sridhar, Chief Executive, Peacock Finance Mr. Karan Shah, Creative Designer, 8FX
22	07.02.19 - 09.02.19	3 Day Workshop on Entrepreneurship Awareness Camp under DST-NIMAT 2018-19 sponsored by NSTEDB, New Delhi and EDII, Ahmedabad	Dr. Radhika Meenakshi Shankar, Entrepreneurship Management Consultant, Wise Owl Consulting Services Dr. Vandana, Asso. Professor, Anurag Group of Institutions Mr. GulshanBist, Assistant Director, MSME-DI, Mr. P. Sridhar, Chief Executive, Peacock Finance Mr. Sri Charan, Founder, StuMagz
23	01.10.18	One day workshop on Entrepreneur Journey	Mr. Sri Charan Lakkaraju, CEO, stuMagz Mr. Nikeelu Gunda, Founder, Digital Connect Mr. karan shah, Founder 8FX
24	17.09.18	EDC Logo competition	VJIT E CELL Logo contest

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25	20.01.18	Entrepreneurship Orientation Program	Dr. T. Rammohan Rao, Vasavi College of Engg., Hyderabad.
26	29.11.17 – 13.12.17	Two week Faculty Development Program (FDP) on Entrepreneurship	Conducted by Center for Entrepreneurship Development (CED), Hyderabad.
27	16.01.17	E CELL Faculty coordinators visit to ALEAP Industrial Estate, Hyderabad	Arranged by Center for Entrepreneurship Development (CED)
28	27.08.16	Orientation Lecture on Entrepreneurship	Mr. Vikram Mishra, Wadwani Foundation
29	09.01.16	VIPANI Product launch competition	MBA Dept., VJIT
30	23.12.15	EDC Awareness Program	Dr. T. Rammohan Rao, Vasavi College of Engg., Hyderabad
31	17.10.15	One day workshop on “Idea Generation & Business Opportunities”.	Dr. P. V. Rama Rayulu, Vice – President Business Opportunities Hub (BOH)
32	25.07.15	One day work shop on “Self employment opportunities in NDT (Non Destructive Technology).	Mr. B. Srinivas, Training Manager, Kalva Engineers Pvt. Ltd., Hyderabad.
33	28.06.15	Role of Public sector Banks in setting up small and medium industries	Mr. S. V. Saravanan, AGM, SME wing of SBI

List of Entrepreneurs**CSE Dept.**

S. No.	Academic Year	Name of the Student	Company Name	Type of service	Registered Number
1	2020-21	Vinay Devineni, Vishnu Vandata	Equip	IT Services	
2	2019-20	Mohammed Ashfaq Nisar	EZERKA Tech Solutions	IT Services	51484353
3	2019-20	Vamshi Krishna	EZUREKHA Tech Solutions	IT Services	51484353
4	2019-20	Manogna	EZUREKHA Tech Solutions	IT Services	51484353
5	2019-20	Manasa	EZUREKHA Tech Solutions	IT Services	51484353
6	2019-20	Vinay Reddy	EZUREKHA Tech Solutions	IT Services	51484353
7	2018-19	P.Saketh Reddy,	DWASNOW Supplier LLP	IT Services	AAO-8370
8	2018-19	R.Vaishnai	DWASNOW Supplier LLP	IT Services	AAO-8370
9	2018-19	Sai Chand	V.S. Models	Design Work	-
10	2017-18	K Koushik	Kavya Solutions	IT Service	IN-DL67121869924933P
11	2017-18	M Saketh	Milk Protocols	Milk Farm	Reg. No. 4384

Institution's Innovation Council (IIC)

MIC has envisioned creation of Institution's Innovation Council (IIC) across selected HEIs. A network of these IICs will be established to promote innovation in the Institution through infinite modes leading to an innovation promotion eco-system in these campuses. For more information of IIC and current calendar activities, please visit <https://iic.mic.gov.in/login>

Focus of IIC

- To create a vibrant local innovation ecosystem.
- Start-up supporting Mechanism in HEIs.
- Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework (ARIIA).
- Smart India Hackathon (SIH).
- National Innovation and Start-up Policy for Students and Faculties.
- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas.
- Develop better Cognitive Ability for Technology Students.

Internal (Teaching/Non teaching) Committee Members of IIC

S. No.	Name of Staff	Designation	Assigned Roles
1	Dr. A. Padmaja	Principal	Head of Institute
2	Dr. E. Sai baba Reddy	Director	President
3	Dr. A. Srujana	Professor & HOD	Vice President
4	Dr. Vasanth Kishore	Professor & HOD	Convener
5	Dr. Siddhartha Ghosh	Professor & HOD	Innovation Activities
6	Prof. B. Srinivasulu	Professor & HOD	NIRF Coordinator
7	Dr.M.Vadivel	Associate Professor	ARIIA Coordinator
8	Dr.M.Nagabhushana	Professor	IPR Activity Coordinator
9	Mr.Y. Praveen Kumar	Associate Professor	Internship Activity
10	Dr. KVR. Satya Kumar	Professor	Start up Activity Coordinator
11	Mr.B .EswarBabu	Associate Professor	Social Media
12	Mrs. G. Srilatha	Academic	Member
13	Mr. R. Venkata Chalam	Sr. Admin.Officer	Member
14	Dr. B. Vijayakumar	Professor & HOD	Member

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15	Dr G Sreeram Reddy	Professor & HOD	Member
16	Dr Pallavi Badry	Professor & HOD	Member
17	Dr. P. Chakradha	Professor & HOD	Member
18	Prof. M. Rajendra	Professor & HOD	Member
19	Dr C. N. Ravi	Professor	Member
20	Mr. K. Srinivasa Rao	Associate Professor	Member
21	Mrs. M Vijaya Shanthi	Associate Professor	Member
22	Mrs. V. Vijayalaxmi	Associate Professor	Member
23	Mrs. P. Suneela	Associate Professor	Member
24	Ms. Sree Devi Jasti	Associate Professor	Member
25	Mr. D. Srinivas	Associate Professor	Member
26	Dr Masarath Jahan	Assistant Professor	Member
27	Mr.S.saravanan	Assistant Professor	Member
28	Mr S Prasad Kumar	Assistant Professor	Member
29	Mrs. T. Deepika	Assistant Professor	Member
30	Mrs.K Neha	Assistant Professor	Member

External Committee Members of IIC

S. No.	Name of Staff	Organization	Assigned Roles
1	Mr.D Sreenu	Canara Bank	Bank/Investor
2	Mr.Emmanuel Gosula	EPAM Software Engineering & Product Development Services	Expert from nearby Industry
3	Dr.Shanta Thoutam	Government of Telangana	Expert from nearby Industry/Industry association/ Ecosystem Enablers
4	Dr.M.Anil Ramesh	Siva Sivani Institute of management	Start up/ Alumni Entrepreneur
5	Dr. Nandita Sethi	The Entrepreneur Zone	Start up/ Alumni Entrepreneur
6	Mr.Sri Charan Lakkaraju	stuMagz	Start up/ Alumni Entrepreneur
7	Dr.Prakriti Bhattacharya	IPexcel	Patent expert

List of Activities

S. No.	Date	Activity	Name of the Resource Person
1	24.08.21	International webinar session on “The Risks & Rewards of Being an Entrepreneur”	Ritu Ashar, Co-founder & Chief Learning Officer, Workfall, Singapore
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3	08.04.21	Orientation session on “Entrepreneurship & Innovation Management”	Mr. Rajeev YSR, Vice President -Business Strategy, ETO Motors Pvt. Ltd., Hyderabad.
4	27.01.21	Orientation session on “National Innovation and Startup Policy (NISP)”	Dr. RajaniKanth Aluvalu, HOD/CSE Department, Vardhaman College of Engineering, Hyderabad

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5	11.01.21	Orientation session on “National Education Policy (A focus on Innovation and Entrepreneurship)”	Mr S Mahaboob Hussain, Vice President, Consulting Services, Basha Research Corporation (BR Corp), Hyderabad.
6	07.01.21	Webinar on “Legal Patent filing procedure in India”	Mrs. Pooja Kumar, Founder & Director, Innove Intellects, Ghaziabad.
7	02.01.21	webinar on “Idea to Invoice (i2i) , A Successful Innovator Journey”	Dr.Dinesh Chandrasekar, Chief Innovation Officer, Pactera Edge, Hyderabad
8	28.12.20	Workshop on “Entrepreneurship and Innovation as Career Opportunity”	Mr.KALYAN.K, Founder & CEO EduTech Innovations, Hyderabad.
9	23.12.20	Webinar Session on “Problem Solving and Ideation Workshop”	Mr.Madhu Parvathaneni, Managing Director madBlocks Technologies Pvt. Ltd., Hyderabad.

9.7 Extra Curricular & Co Curricular Activities

The department of Physical Education looks after the Games and Sports activities. The department is headed by two qualified Physical Directors and one lady Physical instructor with the required infrastructure. The college has exclusive amenities block for indoor games like Table Tennis, Chess, Carrom and also has well developed playgrounds for Football, Basketball, Volleyball, Shuttle Badminton. Kho- Kho, Kabaddi, Cricket etc.

The participation of students in Games & Sports activities are fundamentally of two types.

1. Intramural games & sports activity
2. Extramural activities outside the college

Major Activities:

Organizing intercollegiate tournaments in Tennis, Volley ball, Basketball, Cricket & Table Tennis etc.

Intramural activities:

Intramural competitions will be conducted in February & March every year and the prizes will be distributed on Annual Day function.

Gymnasium: Separate Gymnasium facility for Boys and Girls is provided.

Facilities for Girl Students:

The colleges encourage participation of girl students in intra and inter institutional sports & games competitions. The following are the sports & games arranged by the college;

Indoor: Carrom, Chess, Table Tennis, Badminton etc.

Outdoor: Volleyball, Basketball, Foot ball, Throw ball, Tennikoit, Kho-Kho are conducted separate selection trials for girl students for picking upto talented players for participation at Inter Collegiate tournaments.

Sports Program Calendar

S.No	Name of the Events	Time Period	Name of the Sports & Games
1	University Selections	August to January	All Sports & Games (Athletics & Cricket, Volley Ball, Basket Ball, Badminton, Table tennis etc.)
2	Inter Engineering Collegiate Tournaments	September to March	All Games
3	Intramural Competitions	December to March	All Sports & Games
4	State Level Inter Engg. Colleges Sports fest	September to March	Games
5	JNTUH Zonal Competitions	January to March	Sports & Games
6	Annual day Competitions	February to March	Sports & Games

PHYSICAL FACILITIES

1. Basketball Court
2. Volley ball Court
3. Table Tennis
4. Gymnasium facility
5. Cricket Ground
6. Cricket Practice nets

7. Store Room for sports equipment
8. Football, throw ball and tennikoit
9. Badminton Court
10. Kabaddi
11. Handball
12. Kho Kho

List of Equipment

Sl. No	List of Equipment in the Gymnasium.
1	Multi Purpose Bench (Multi Gym)
2	Steel Dumbbell-50 kg
3	Bench Press
4	Leg Press(Multi Gym)
5	Seated Chest Press(Multi Gym)
6	Dumbbells /Plates/Rods ect.
7	Cross Trainer/Massager
8	Ab Slimmer/Cycle etc
9	Treadmills
10	Vibrator
11	Boxing kit bags

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**Students Participation at State/National/International Level Sports/Games
2019-2020**

S.No	Name of the Student	Name of the Sport/Game	University / National / Inter National Level	Place & Date & Year
1	S Tanish Reddy	Cricket	National Inter-Collegiate Sports	Gitam University Hyderabad 27 th to 28 th December 2019
2	K Sai Teja Goud	Cricket	National Inter-Collegiate Sports	Gitam University Hyderabad 27 th to 28 th December 2019
3	K Sai Kumar Patil	Cricket	National Inter-Collegiate Sports	Gitam University Hyderabad 27 th to 28 th December 2019
4	Ms.S Swapna	Kho-Kho	South Zone Inter University	Ambedkar University, Srikakulam, A.P October 2019
5	Ms.K Sravya	Kabaddi	South Zone Inter University	VelTech University, Chennai. October 2019
6	Ms.M Shivani	Handball	South Zone Inter University	Calicut University, Kerala. October 2019
7	Ms.N Kavya Reddy	Handball	South Zone Inter University	Calicut University, Kerala. October 2019
8	Ms. Bhavana	Handball	South Zone Inter University	Calicut University, Kerala. October 2019

2018-2019

S.No	Name of the Student	Name of the Sport/Game	Univ/National/Inter National Level	Place & Date & Year
1	P.Amrutha	Volley ball	Inter College Sports Meet	Gokaraju Rangaraju Institute of Engineering & Technology February 2019
2	P.Amrutha	Volley ball	Natioanl Level	Anurag Group Of Institutions
3	Mr. Nazeem Sharif	Boxing	All India Inter University	Vidyapeet University, Rajasthan. February 2019
4	Mr.B. Shashi Kiran	Boxing	All India Inter University	Vidyapeet University, Rajasthan. February 2019
5	Ms. M. Shivani	Handball	South Zone Inter University	Anna University, Chennai. January 2019
6	Mr.B.Vinod Kumar	Hockey	South Zone Inter University	Annamalai University, Chennai. December 2018
7	Mr.B. Shiva	Handball	South Zone Inter University	Geetham University, Vizag, A.P December 2018
8	Mr.Ranjith Kumar Yadav	Wrestling	All India Inter University	Devi Bansilal University, Haryana November 2018
9	Mr.K. Abhishek-	Baseball	All India Inter University	Panjab University, Patiala. November 2018

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10	Mr.M. Dinesh	Kho-Kho	South Zone Inter University	S.V University, Tirupathy, A.P October 2018
11	Ms.Ch.Geethanjali	Volleyball	South Zone Inter University	K.L University, Guntur, A.P October 2018
12	Mr.K. Abhishek-	Softball	All India Inter University	Maharishi Dayanand University, Haryana. February 2018
13	Mr.B.Vinod Kumar	Hockey	South Zone Inter University	Annamalai University, Chennai. January 2018
14	Ganesh (C) and Team of 12 Players	Volleyball	State level	Sports Meet'19 Sreenidhi Institute of Science and Technology Campus, on 23 rd to 25 th September 2019
15	Ganesh (C) and Team of 12 Players	Volleyball	National level	Sports Fest'19 National Institute of Technology Campus, Warangal on 14 th to 15 th April 2019
16	Shiva (C) and Ganesh (C) Team of 24 Players	Handball & Volleyball	National level	Sports Fest'19 Vidya Jyothi Institute of Technology Campus, Hyderabad on 2 nd to 3 rd April 2019
17	Ramesh (C) Teja (C) Sai Kumar Reddy (C) Team of 44 Players	Kabaddi, Kho-Kho, Basketball, TableTennis & Carroms	National level	Sports Fest'19 Vidya Jyothi Institute of Technology Campus, Hyderabad on 2 nd to 3 rd April 2019
18	Ganesh (C) and Team of 12 Players	Volleyball	State level	Sports Meet'19 Symbiosis Law College Campus, Shadnagar, Hyderabad on 1 st to 2 nd March 2019
19	K. Haritha Rathnam,	Kick-Boxing	National level	Kick-Boxing Federation Cup'19 WAKO Shree Shiv Chhatrapati Sports Complex, Pune on 24 th to 29 th March 2019
20	Ganesh (C) EEE-IV and Team of 12 Players	Volleyball	11 th Indian Open	Sports Fest'19 Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology Bachupally, Hyderabad on 13 th to 14 th February 2019
21	B. Shashi Kiran	Boxing	National level	2 nd All India Invitational Championship'19 Jatin Das Park (Hazra), Kolkata on 22 nd to 25 th January 2019
22	Ganesh (C) EEE-IV and Team of 12 Players	Volleyball	National level	Sports Fest Arena'19 BITS Pilani Hyderabad Campus on 23 rd to 25 th January 2019
23	Ganesh (C) and Team of 12 Players	Volleyball	State level	Sports Meet'19 National Institute of Standards and Technology Campus, Nagole on 7 th to 9 th January 2019
24	Ganesh (C) and Team of 12 Players	Volleyball	National level	Sports Bout'19 Anurag Group of Institution Campus, Gatkesar, Hyderabad on 4 th to 5 th January 2019

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25	Ganesh (C) and Team of 12 Players	Volleyball	National level	Sports Fest'18 Cherabudi Venkata Ramana Campus, Hyderabad on 28 th to 29 th December 2018
26	Mr. B. Shashi Kiran	Boxing	State level	2 nd Elite Senior Boxing Championship' Telangana Boxing Association, Lal Bahadur Shastri Stadium, Hyderabad on 24 th to 25 th October 2018
27	Ganesh (C) and Team of 12 Players	Volleyball	National level	Sports Fest Aura'18 Chaitanya Bharathi Institute of Technology Campus, Gandipet, Hyderabad on 18 th to 20 th September 2018
28	Rahul (C) and Team of 12 Players	Volleyball	State level	Sports Meet'18 Tec Mahindra Campus, Medchal on 16 th to 17 th March 2018
29	Rahul (C) and Team of 12 Players	Volleyball	National level	Sports Fest-18 Maturi Venkata Subba Rao Engineering College Campus Hyderabad. 20 th to 21 st March 2018
30	Mr. Pavan Kumar Yadav	Wrestling	National level	Senior National Wrestling Championship'18 Telangana Wrestling Association at Nalgonda on February 2018
31	Rahul (C) and Team of 12 Players	Volleyball	JNTUH Zone-C	Jntuh Zone-C Tournament Malla Reddy College Of Engineering Campus. 22 nd to 23 rd February 2018
32	P. Suman (C) and Team of 12 Players	Kabaddi	National level	Blitz-18 Hyderabad Malla Reddy College Of Engineering Campus. 2 nd to 3 rd February 2018
33	Rahul (C) and Team of 12 Players	Volleyball	State level	Sports Fest-18 BVRIT Hyderabad Campus. 9 th to 10 th January 2018
34	P. Suman (C) and Team of 12 Players	Kabaddi	National level	BITS Pilani Hyderabad Campus. 2 nd to 4 th January 2018

2017-2018

S.No	Name of the Student	Name of the Sport/Game	Univ/National/International Level	Place & Date & Year
1.	Mr.Abhishek	Softball	All-India Inter University	Maharishi Dayanand University, Haryana. February 2018
2.	Mr.B.Vinod Kumar	Hockey	South Zone Inter University	Annamalai University, Chennai. January 2018

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3.	Rahul (C) and Team of 12 Players	Volleyball	National	Sports Fest-18 MVSR Campus Hyderabad. 20 th to 21 st March 2018
4.	Rahul (C) and Team of 12 Players	Volleyball	JNTUH Zone-C	Jawaharlal Nehru Technological University, Hyderabad Zone-C Tournament Malla Reddy College of Engineering Campus. 22 nd to 23 rd February 2018
5.	P. Suman (C) and Team of 12 Players	Kabaddi	National level	Blitz-18 Malla Reddy College of Engineering Hyderabad Campus. 2 nd to 3 rd February 2018
6.	Rahul (C) and Team of 12 Players	Volleyball	State level	Sports Fest-18 B.V. Raju Institute of Technology Hyderabad Campus. 9 th to 10 th January 2018
7.	P. Suman (C) and Team of 12 Players	Kabaddi	National level	BITS Pilani Hyderabad Campus. 2 nd to 4 th January 2018
8.	Rahul (C) and Team of 12 Players	Volleyball	State level	Sports Fest-17 ACE Engineering College Campus Hyderabad. 28 th to 30 th December 2017
9.	P. Suman (C) and Team of 12 Players	Kabaddi	National level	Arena One-17 SAKSHI Television Narasimha Engineering College Campus. 23 rd to 24 th December 2017
10.	Naveen (C) and Team of 12 Players	Volleyball	State level	Sports Fest-18 BVRIT Campus Medak. 7 th to 9 th April 2017
11.	Rahul (C) and Team of 12 Players	Volleyball	National level	CHAK DE-17 Sports Fest Guru Nanak Institute of Technology Campus Hyderabad. 30 th March 2017 to 1 st April 2017
12.	Mr.S.S Jawahar Mr.Nikhil Mr.Swarnendu Ms.P.Suman Mr.S.H.Akhil	Badminton Volleyball Table Tennis Kabaddi Basketball	National level	Vidya Jyothi Institute of Technology, Hyderabad. 3 rd to 4 th March 2017
13.	B.Shashi Kiran	Kick Boxing	State level	Telangana Elite Senior Boxing Championship, Lal Bahadur Stadium, Hyderabad 14 th to 15 th October 2017
14.	Mr.B.Nikhil Sai	Volleyball	South Zone Inter University	SRM University, Chennai. December 2017

NBA SAR

15.	Mr.Shiva	Handball	South Zone Inter University	Anna University, Chennai. October 2017
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YOGA

Every year on June 21st, the International Day of Yoga is celebrated where all the students and faculty proactively participate. Best performers are rewarded to encourage active and more participation. Practicing yoga helps the students to overcome ill effects of work stress. As an initiative of this, the institute conducts yoga sessions, mental health programs and Meditation programs. Yoga Center for the wellbeing of faculty & students is available. Events such as International yoga day, seminars, spiritual retreats, institutive knowledge, weekly meditation sessions through heartfulness and many other activities are conducted. The events bring a gradual transformation of students in yielding to human values and ethics. Life skills for handling real life problems are designed through numerous programs. The students shoulder responsibilities in handling real life problems and develop attributes of leadership qualities and make them responsible global citizens

2020-21

S. No	Activity	Speaker/ Resource Person	Duration From	Duration To	Number of Participants
1	Epigenetics, Wellbeing & Meditation	Dr.Sairam, Cofounder, URBANKISSAN Inc., USA & HFN Trainer	03-07-2020	03-07-2020	85
2	COHERENCE- Ensuring a sense of Well-being and purpose through the hassle of daily life	Dr.PariPlavi. MD, PhD, FCGP; Former Professor and HOD, Osmania Medical College, Hyderabad.	10-07-2020	10-07-2020	64
3	Change your thoughts and change your destiny	Dr.SK.Kamruddin, MA., MBA., M.Phil., Ph.D Dept. of Management and Commerce, Maulana Azad National Urdu University (A Central University), Hyderabad	17-07-2020	17-07-2020	72

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4	How to change Scalar to Vector in the context of life	Dr.P.V.S.SivaPrasad, Professor/CSE,Nalla Malla Reddy Engineering College, Hyderabad.	24-07-2020	24-07-2020	56
5	Leading with Heart	Ramana Vemuri Technocrat, Entrepreneur & Heartfulness trainer	21-07-2020	21-07-2020	67
6	Empowerment of self potential	Dr.Suresh Purini Associate Professor, Dept.of.C.S.E,IITH	07-08-2020	07-08-2020	68
7	Using Intuitive Over Intelligent Knowledge for Decision-making	Dr.UMASUBBARAMAN, Ph.D Economist, teacher, management consultant	14-08-2020	14-08-2020	69
8	Impressions and its Impact on conscious growth	Mr.Srinivas Pamarthi Project Manager, Bank of America, Hyderabad	21-08-2020	21-08-2020	54
9	Aspiration & Lifestyle	V.Madhumati Preceptor & Heartfulness Trainer	20-08-2020	20-08-2020	62
10	ENERGISE your time - the Heartfulness way	Dr K Pavan kumar, MBBS,DCH,DNB (ped)	04-09-2020	04-09-2020	72
11	Stress management & sleep with Heartfulness	Dr.JAYARAM THIMMAPURAM Wellspan York hospital, U.S.A. and TEDX speaker	11-09-2020	11-09-2020	96
12	Evolutionist transcendence from GNAN to VIGNAN	Mr.Manohar Bandarum Founder of technology startup in smart water management	19-09-2020	19-09-2020	67
13	Journey well travelled	Mr. Samir Sahu Technopreneur, Heartfulness Trainer	26-09-2020	26-09-2020	59
14	How to Expand our consciousness	Dr.B.J.C.Babu, Retired Professor, BITS, Pilani, GOA Campus	03-10-	03-10-	78

NBA SAR

			2020	2020	
15	WorkLifeBalance – TheHeartfulnessWay	Mr.B.GouthamSharma Asst.General Manager,CanaraBankCircleOffice,Secunderaba d	17-10- 2020	17-10- 2020	81
16	Nurturing aJoyfulHeart	Mr.D.Anant,Educator , Technologist	31-10- 2020	31-10- 2020	58
17	HowaboutMeditationinCorporate World?	Mr.KrishnaMaramganti Head-Testing, CoE,HTCGlobalServicesInc.	07-11- 2020	07-11- 2020	68
18	RejuvenationbyCleaning	Dr.S.S.Ramakrishnan, RetiredProfessor&Head, Dept.of.Metallurgy,P.S.G. CollegeofTech.,Coimbatore.	21-11- 2020	21-11- 2020	76
19	HeartfulEating	Mr.Chakradhar, SeniorManager,WIPRO,Hyderabad	28-11- 2020	28-11- 2020	68
20	MeditationandInnerEngineering	Mr. Manish Agarwal,IndependentFinan cialadvisor	04-12- 2020	04-12- 2020	67
21	Everyonespeaks aboutMeditationbutfewprefer toPractice	Dr.MohanKumarSinguru, Dean–Students,MVGRCCollegeofEngineering, Vizianagaram	19-12- 2020	19-12- 2020	57
22	Regulation of Mind & Experience of God through Heartfulnessmeditation	Sri V. R. S. Naga Sarma, CA,Retd.GM(Fin.) HindustanShipyardLtd.,Vishakapatnam	26-12- 2020	26-12- 2020	51
23	The purpose of Human existence and steps to achieve withHeartfulness	Mr.V.RamakrishnaM.Tech(IITKG P)HeartfulnessTrainer	16-01- 2020	16-01- 2020	70

NBA SAR

24	We are islands within ourselves	Mr. M. Ravikumar, Chartered Accounts	23-01-2021	23-01-2021	56
25	Evolution through Heartfulness	Mr. N. V. Krishna Rao Zonal Coordinator, Heartfulness Institute, Telangana	30-01-2021	30-01-2021	63
26	To live best version of your life	Sri T. V. Ramana Dy. General Manager (Finance & Accounts) The Singareni Collieries Company Ltd., Manuguru	06-02-2021	06-02-2021	54
27	Meditation as a tool from conflict to coherence	Dr. K. Sirisha Family physician and diabetologist, Omega Clinics, Kukatpally, Hyderabad	20-02-2021	20-02-2021	66
28	Emotional Intelligence	Capt. Vineet Singh Ranawat Ashram Manager, Kanhashantivanam, Global HQ of Heartfulness	06-03-2021	06-03-2021	71
29	Change your thought – Change your destiny	Dr. Mettu Pradeep Reddy, Professor in Paediatrics, Malla Reddy Medical College for women, Suraram, Hyderabad	20-03-2021	20-03-2021	53
30	International Yoga Day Celebrations	Ms. Neelima, Yoga Trainer & Life Skills Trainer Ms. Kamakshi Shika, Executive Coach, Life Coach and Corporate Trainer, Heartfulness Institute Dr. Shaik Kamruddin, Assistant Professor, Moulana Azad National Urdu University, Heartfulness Trainer Mr. B. Goutham Sharma, Asst. General Manager Canara Bank, Heartfulness Trainer	21.06.2021	25.06.2021	264

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		Ms. Veeravalli Bindu, International Yoga Practitioner and Trainer, III Year B.Tech, IT, VJIT.			
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2019-20

S. No	Activity	Speaker/ Resource Person	Duration From	Duration To	Number of Participants
1	International Yoga Day	Dr.Pavan, Pediatrist, Brighter Minds and Heartfulness Trainer	21-06-2019	21-06-2019	495
2	Spiritual Retreat Through Heart Fullness	Mr.Manish Agarwal, Independent Financial Advisor, Heartfulness Trainer	08-02-2020	10-02-2020	300
3	Well Being in Society	Sri.V.R.S.Sarma, CA, Retired GM ShipYard and Heartfulness Trainer	14-02-2020	14-02-2020	63
4	Ensuring a Sense of Well-Being in Daily Life	Dr.S.Mohan Kumar, Professor and Heartfulness Trainer	21-02-2020	21-02-2020	61
5	Understanding Purpose of the Hassles Free Living	Mr.V.Rama Krishna, Heartfulness Trainer	28-02-2020	28-02-2020	65

NBA SAR

6	Coherence and Cohesive Harmony	Dr.S.S.Rama Krishnan, Retired Professor PSG College and Heartfulness Trainer	06-03-2020	06.03.2020	66
7	Scalar and Vectors in the Life Style	Dr.P.V.S.Siva Prasad,Professor,Nalla Malla Reddy College and Heartfulness Trainer	13-03-2020	13-03-2020	98
8	Heart and Leadings in Live	Dr.Pariplavi, Retired HoD, Osmania Medical College and Heartfulness Trainer	20-03-2020	20-03-2020	95
9	Evolution through Heartfulness	Mr.N.V.Krishna Rao, Zonal Coordinator, Heartfulness and Trainer	27-03-2020	27-03-2020	91
10	Empowerment of Will Power	Mr.B.Manohar, Founder Technology Start up in smart water management and Heartfulness Trainer	03-04-2020	03-04-2020	78
11	Meditation in Decision-Making	Mr.D.Ananth, Educationalist and Heartfulness Trainer	10-04-2020	10-04-2020	84

NBA SAR

12	Importance of Inner Peace in Life	Mr. Sameer Sahu, Technoprenuer in IT and Heartfulness Trainer	17-04-2020	17-04-2020	82
13	Intuitive Knowledge Attainment	Dr.P.Suresh, Professor,IITH and Heartfulness Trainer	24-04-2020	24-04-2020	97
14	Life Skills to Achieve Life Goals	Mr.M.Ravi Kumar, CA and Heartfulness Trainer	01-05-2020	01-05-2020	96
15	Inner Conscious Development	Mr.Vijay, AI, Reliance	08-05-2020	08-05-2020	85
16	Impact of Inner Harmony	Dr.Kamaruddin, Professor, Maulana Azad National Urdu University	15-05-2020	15-05-2020	78
17	Lifestyle Before and After Meditation	Dr.Sai Ram Reddy, Cofounder &Director, Urban Kisaan Farms Inc., USA	22-05-2020	22-05-2020	79
18	Boost Your Immune System by Inner Power	Dr.K.Sirisha, Family Physician and Diabetologist, Omega Clinics and Heartfulness Trainer	29-05-2020	29-05-2020	81
19	Peace and Sleep Coordination	Dr.M.Pradeep Reddy,	05-06-2020	05-06-2020	79

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		Professor,Pediatrics, Malla Reddy Medical College for Women,Hyderbad and Heartfulness Trainer			
20	Stress Management by Meditation Practices	Sri.T.V.Ramana, Dy General Manager, The Sinagareni Collaries and Heartfulness Trainer	12-06-2020	12-06-2020	92
21	Transcendence for Better Lifestyle	Mr.M.Krishna, Head Testing CoE, IITC Global Services and Heartfulness Trainer	19-06-2020	19-06-2020	91
22	International Yoga Day	Dr.K.Indira Pavan, Consultant Dermatologist and Heartfulness Trainer Ms.Kamakshi, Certified Life Coach	21-06-2020	23-06-2020	390
23	Inner Journey for Good well Being Lifestyle	Sri.G.Chakradhar, Senior Manager, Wipro and Heartfulness Trainer	26-06-2020	26-06-2020	93

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2018-19

S. No	Activity	Speaker/ Resource Person	Duration From	Duration To	Number of Participants
1	Meditation for Begineers	Dr.P.V.S.Siva Prasad,Professor,Nalla Malla Reddy College and Heartfulness Trainer	21 st January 2019	21 st January 2019	142
2	Restore Positivity and Positive Thinking	Mr.B.Manohar, Founder Technology Start up in smart water management and Heartfulness Trainer	31 st October 2018	31 st October 2018	128
3	What is cleaning	Prof.N.L.V.Prasad Rao, retired Professor,VJIT and Heartfulness Trainer	24 th October 2018	24 th October 2018	76
4	Benifits of Meditation	Dr.S.S.Rama Krishnan, Retired Professor PSG College and Heartfulness Trainer	3 rd October 2018	3 rd October 2018	83
5	Importance of prayer	Dr.Kamaruddin, Professor, Maulana Azad National Urdu	26 th September 2018	5 th September 2018	67

NBA SAR

		University			
6	Peace Walk	Dr.S.Mohan Kumar, Professor and Heartfulness Trainer	19 th September 2018	13 th August 2018	78
7	The Art of Living	Mr.V.Satyanarayana Redyy, Civil Engineer and Art of Living Trainer	12 th September	12 th September	112
8	Happiness in Corporate World	Sri.G.Chakradhar, Senior Manager, Wipro and Heartfulness Trainer	5 th September	5 th September	89
9	Being Lost	Mr.M.Krishna, Head Testing CoE, IITC Global Services and Heartfulness Trainer	29 th August	29 th August	93
10	Understanding Peace	Mr.Vijay, AI, Wipro and Heartfulness Trainer	22 nd August	22 nd August	76
11	Let go of worries and anxiety	Dr.K.Sirisha, Family Physician and Diabetologist, Omega Clinics and	15 th August 2018	15 th August 2018	91

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		Heartfulness Trainer			
12	How Habits change Destiny	Sri.T.V.Ramana, Dy General Manager, The Sinagareni Collaries and Heartfulness Trainer	8 th August 2018	8 th August 2018	94
13	Anti-Ragging Awareness Program and Haritha-Haaram,	Samshabad zone DCP Ms.Padmaja Reddy, Moinabad CI Mr. Venkateswarlu and SI Mr.Mahendranath	28 th July 2018	28 th July 2018	88
14	The Science of Stillness	Dr.Pariplavi, Retired HoD, Osmania Medical College and Heartfulness Trainer	24 th July 2018	24 th July 2018	75
15	Meditation Follow Up session	Prof.N.L.V.Prasad, retired Professor, and Heartfulness Trainer	2 nd July 2018	2 nd July 2019	104
16	International yoga day celebrations at VJIT	Dr. A. Sadananda chary, Prof. Osmania University	21 st June 2018	21 st June 2018	340

NBA SAR**2017-18**

S. No	Activity	Speaker/ Resource Person	Duration From	Duration To	Number of Participants
1	A journey within you	Sri.G.Chakradhar, Senior Manager, Wipro and Heartfulness Trainer	7 th March 2018	7 th March 2018	155
2	How to control your thoughts and emotion	Mr.B.Manohar, Founder Technology Start up in smart water management and Heartfulness Trainer	7 th February 2018	7 th February 2018	109
3	Navigative the ocean of life with peaceful mind	Prof.N.L.V.Prasad Rao, retired Professor,VJIT and Heartfulness Trainer	3 rd January 2018	3 rd January 2018	99
4	In campus meditation master classes for faculty	Prof.N.L.V.Prasad, retired Professor, and Heartfulness Trainer	29 th December 2017	30 th December 2017	32
5	The Purpose of Human Existence	Mr.M.Krishna, Head Testing CoE, IITC Global Services and Heartfulness Trainer	1 st November 2017	1 st November 2017	92
6	Regulation of Mind	Dr.P.V.S.Siva Prasad,Professor,Nalla Malla Reddy College and	27 th September	27 th September	87

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		Heartfulness Trainer			
7	Change Your Thought	Dr.M.Pradeep Reddy, Professor, Pediatrics and Heartfulness Trainer	6 th September 2017	6 th September 2017	67
8	We are islands within ourselves	Dr.Pariplavi, Retired HoD, Osmania Medical College and Heartfulness Trainer	23 rd August 2017	23 rd August 2017	89
9	Evolution through Heartfulness	Dr.Kamaruddin, Professor, Maulana Azad National Urdu University	9 th August 2017	9 th August 2017	95
10	International yoga day	Dr. A. Sadananda chary, Prof. Osmania University	21 st June 2017	21 st June 2017	70
11	Weekly meditation class	Mr.Vijay, AI, Wipro and Heartfulness Trainer	7 th June 2017	7 th June 2017	67

NATIONAL SERVICE SCHEME (NSS)

- NSS activities are partially financed by the affiliating University. **E. Giri Prasad Goud** is the Coordinator. The college has provided a separate office and other facilities are created to run this program.
- This unit organizes Medical Camps, awareness of nutrition issues among the villagers, environmental protection, and education awareness programme among rural population.

NBA SAR

- The institute has UBA center and received Rs. 50,000/- funding from MHRD. Unnat Bharat Abhiyan, a flagship national program of Ministry of Human Resource Development (MHRD), Government of India and IIT Delhi to develop villages in the vicinity of Institution. Under this we have adopted 2 villages Reddypally Village, Moinabad Mandal, and Aziz Nagar Bakaram.
- Every year NSS team organizes one week special camp to the near by villages of the Institute.
- NSS 5th special camp was organized during 29th March 2019 to 4th April 2019 at Reddypally Village, Moinabad Mandal, Ranga Reddy, Telangana. The camp involved 40 NSS volunteers. The village is about 10 km away from VJIT and having a population of 1000. The following activities are conducted.

S. No	Date	Event	Organized at
2021-2022			
1.	25 th October 2021	Breast Cancer Awareness	VJIT NSS & Dr. Reddy's Foundation for Health Education
2.	11 th October 2021	Karaoke (Fund Raising Event)	VJIT
3.	2 nd October 2021	Fit India Freedom Run	JNTUH
4.	27 th September 2021	Importance Of Adherence To Diabetes Therapy	VJIT
5.	25 th September 2021	Pre RD Selections	JNTUH
6.	24 th September 2021	NSS DAY	VJIT
7.	15 th July 2021	Anthakshari (A Faculty Recreation Program)	VJIT NSS
8.	10 th July 2021	Awareness program on Cyber Crime	VJIT NSS & VJIT Women Empowerment Cell
9.	29 th June 2021	Pandemics, Immunity & Immunization	VJIT NSS & Dr. Reddy's Foundation for Health Education
10.	21 st June 2021	International Yoga Day Celebrations	VJIT NSS
11.	20 th June 2021	International Father's Day	VJIT NSS
12.	16 th June 2021	Covid-19 Vaccination drive	VJIT NSS & Anurag University

NBA SAR

13.	12 th June 2021	World Day Against Child Labour	VJIT NSS
14.	25 th May 2021	Revised Guidelines for Prevention and Management of Covid-19	VJIT (VJIT NSS & Dr. Reddy's Foundation for Health Education)
15.	11 th May 2021	Managing High Blood Pressure (HYPERTENSION) during these challenging times	VJIT (VJIT NSS & Dr. Reddy's Foundation for Health Education)
16.	6 th May 2021	SWACHATHA	VJIT (VJIT NSS, VJIT REDC & MGNCRE)
17.	5 th May 2021	Nutrition Care- During and post COVID	VJIT (VJIT NSS & Dr. Reddy's Foundation for Health Education)
18.	12 th April 2021	Discussions with Sarpanch of Aziznagar Village on Empowering Rural Women	VJIT (VJIT NSS) & AZIZNAGAR
19.	9 th April 2021	Survey conducted on Income Generation of Women in Aziznagar Village	VJIT NSS & VJIT WEC
20.	8 th March 2021	International Women's Day Celebrations	VJIT NSS, VJIT WEC
21.	8 th March 2021	2K Run in Support of Women in Farming	VJIT NSS, VJIT WEC
22.	6 th March 2021	Virtual Discussion on POSH	VJIT NSS, VJIT WEC
23.	29 th & 30 th January	Rural Entrepreneurship Awareness Program	VJIT NSS, VJIT REDC
24.	8 th January 2021	Rangoli Competition	VJIT NSS & Yukthi
25.	6 th January 2021	Rural Entrepreneurship Awareness Program	VJIT NSS, VJIT REDC
26.	26 th November 2020	Webinar on Constitution Day	VJIT NSS
27.	16 th October 2020	Bathukamma	VJIT NSS & Yukthi
28.	02 October 2020	Circular Economy	VJIT NSS
29.	15 th August 2020	Independence Day Celebrations	VJIT NSS
30.	21 st June 2020	International Yoga Day	VJIT NSS

NBA SAR

S. No	Date	Event	Organized at
2019-2020			
1.	3 rd May 2020	COVID-19 Activity- 7 (Groceries Distribution)	Mokila thanda, Shankarpally
2.	27 th April 2020	COVID-19 Activity-6 (Groceries Distribution)	Gachibowli,
3.	24 th April 2020	COVID-19 Activity-5 (Groceries Distribution)	Bibinagar
4.	18 th April 2020	COVID-19 Activity- 4 (Groceries Distribution)	Nanakramguda,
5.	18 th April 2020	COVID-19 Activity-3 (Groceries Distribution)	Indira nagar,
6.	6 th April 2020	COVID-19 Activity-2 (Groceries Distribution)	Kothaguda
7.	6 th April 2020	COVID-19 Activity- 1 (Groceries Distribution)	Kondapur
8.	8 th March 2020	Women's day celebrations	VJIT
9.	7 th , 8 th & 9 th February 2020	Spiritual Retreat (Meditation)	Kanha Shanthi Vanam
10.	25 th January 2020	Health Camp	Vidya Jyothi Institute of Technology
11.	2 nd October 2019	Swachh Bharat & say no to plastic campaign	Bandlaguda Jagir Municipal Corporation
12.	31 st August 2019	Go Green Ganesha	Vidya Jyothi Institute of Technology
13.	24 th to 25 th August 2019	AirTel Marathon	Ganti Mohana Chandra Balayogi SATS Indoor Stadium
14.	17 th August 2019	Haritha Haram	Vidya Jyothi Institute of Technology
15.	15 th August 2019	Independence Day Celebrations	Vidya Jyothi Institute of Technology
16.	19 th to 20 th July 2019	Rural immersion Programme	Vidya Jyothi Institute of Technology
17.	21 st June 2019	International Yoga Day	Vidya Jyothi Institute of Technology

NBA SAR

S.No	Date	Event	Organized at
2018-2019			
1	29 th March 2019 to 4 th April 2019	NSS Special Camp	Reddypally Village, Moinabad Mandal, Ranga Reddy, Telangana
2	2 nd February 2019	University level youth festival	Jawaharlal Nehru Technology University Hyderabad
3	26 th January 2019	Republic day celebrations	Vidya Jyothi Institute of Technology
4	24 th September 2018	Inter college youth festival and NSS day	Anurag Group of Institutions, Hyderabad
5	15 th August 2018	Independence day	Vidya Jyothi Institute of Technology
6	28 th July 2018	Anti Ragging Awareness programe & Harithaharam	Vidya Jyothi Institute of Technology
7	21 st June 2018	Yoga day	Vidya Jyothi Institute of Technology

Activities done under Special Camp

S. No	Date	Event	Organized at
2019-2020			
1.	3 rd May 2020	COVID-19 Activity- 7 (Groceries Distribution)	Mokila thanda, Shankarpally
2.	27 th April 2020	COVID-19 Activity-6 (Groceries Distribution)	Gachibowli,
3.	24 th April 2020	COVID-19 Activity-5 (Groceries Distribution)	Bibinagar
4.	18 th April 2020	COVID-19 Activity- 4 (Groceries Distribution)	Nanakramguda,
5.	18 th April 2020	COVID-19 Activity-3 (Groceries Distribution)	Indira nagar,
6.	6 th April 2020	COVID-19 Activity-2 (Groceries Distribution)	Kothaguda
7.	6 th April 2020	COVID-19 Activity- 1 (Groceries Distribution)	Kondapur

NBA SAR

5th Special camp at Reddypally village, Moinabad mandal:29th March 2019 to 4th April 2019			
Day	Date	Day	Programme
Day 1	29 th March 2019	Friday	Special camp Inauguration Skill Development and Interactive session to the students
Day 2	30 th March 2019	Saturday	Village Household survey
Day 3	31 st March 2019	Sunday	Creating awareness on Yoga Conducted Cultural events to the students
Day 4	1 st April 2019	Monday	Organized Swatch Bharat in the entire village.
Day 5	2 nd April 2019	Tuesday	Dental camp Creating awareness on self-Health
Day 6	3 rd April 2019	Wednesday	Visited Vivekananda old age home and distributed fruits to the senior citizens
Day 7	4 th April 2019	Thursday	Creating awareness on Girl Health and distributed necessary kits to the students

Institute encourages students to participate in extension activities and to help neighborhood community. Institute has different social activity clubs like HITA, AKROSH AND Avashah-Handa that help. NSS teams participated & organized camps in the flood affected areas of Warangal, Mahaboobnagar District and Kurnool Town and distributed food material about three hundred families. In addition, protected water sachets bread and biscuits were distributed over a period of one week.

HITA-SERVICE WITH PLEASURE

HITA

Institute encourages students to participate in extension activities and to help neighborhood community. Institute has different social activity clubs like HITA, Akrodh, AVASHAH-Hands that Help.

HITA is a student service club: where students are working with pleasure for the betterment and development of the society, helping and understanding the needs of the under privileged society. HITIAN's believes in the world of "Service to Mankind is Service to God" but this should be done with pleasure and hence it brought us the thought of forming a Club named – HITA.

NBA SAR

S.No	Date	Name of the Event	In Collaboration with	Organized at
2018-2019, 2019-20				
1	8 th February 2020	Spiritual Retreat Through Heart fullness	Vidya Jyothi Institute of Technology	Kanha, shanthivanam, Heart fullness centre, Hyderabad
2	19 th October 2019	Diwali sweets distribution	Vidya Jyothi Institute of Technology	Manikonda to unprivileged children
3	7 th September 2019	Awareness on use of eco-friendly ganesh idols &also distributed rose saplings	Yukthi	Vidya Jyothi Institute of Technology
4	8 th March 2019	Charity stall in phoenix -2k19	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
2017-2018				
1	29 th July 2017	Haritha Haram	Vidya Jyothi Institute of Technology	ZPHS Moinabad, Himayath nagar Village Moinabad
2	23 rd July 2017	Plantation Drive	LIVE THE LAKE Initiative, SAHE and GHMC	Regulakunta Cheruvu, Deepthi Nagar, Miyapur, Hyderabad
3	14 th July 2017	Haritha Haram – 2017	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
4	26 th April 2017	Health Camp-2017	Abbott Pharmaceutical Limited, Hyderabad	Vidya Jyothi Institute of Technology
5	22 nd April 2017	Earth Day 2017	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
6	22 nd April 2017	Blood Donation Camp	Lions Club, Jubilee Hills	Vidya Jyothi Institute of Technology

Apart from the NSS activities, VJIT has other active NGO associations like **Street cause**, **NAP Foundation** - Helping Hands for Children, **Earthlings and Cultigate**. Under these associations number of activities have been conducted.

STREET CAUSE

Street Cause, a Hyderabad based student run NGO, which is spread across 30+ undergraduate institutions all over the twin cities. Street Cause is an NGO comprising of students who intend on doing their bit for the betterment of society with the objective of helping the underprivileged and destitute in every way possible. Every volunteer ensures utmost commitment and transparency throughout his/her term. The organization abides by its rules and keeps the incomes and expenses completely transparent.

Street Cause VJIT has won the “Best Youth Organization Award” in the year 2010. A few of the events have been conducted in collaboration with corporates such as Deloitte, Gold Drop Industries, Indian Red Cross Society and others.

STREET CAUSE ACTIVITIES

S.No	Date	Name of the Event	Organized at
2020-2021			
1.	9 th September 2021	Go Green Ganesha	Vidya Jyothi Institute of Technology
2.	4 th January 2021	Reconstruction of washrooms	Siara Homes, Vanasthalipuram
3.	6 th December 2020	Providing basic needs to home.	Asha kuteer, Uppal
4.	25 th October 2020	Flood Project-II	Ranganayakulugutta, Hayathnagar
5.	17 th October 2020	Flood Project-I	Ranganayakulugutta, Hayathnagar
6.	2 nd October 2020	Slum project-II	Slum in Bachupally
7.	3 rd September 2020	Installation of electrical	Sanihitha homes, secunderabad
8.	31 st August 2020	Installation of RO water purifier	Sudheer foundation, Hyderabad
9.	23 rd August 2020	Adoption of families in Slum	Slum in Bachupally
2019-2020			
1.	24 th April 2020	Covid-19, Project-5	Banjarahills, Hyderabad
2.	22 nd April 2020	Covid-19, Project-4	Saroornagar, Hyderabad
3.	18 th April 2020	Covid-19, Project-3	Sudheet foundation, Hyderabad
4.	31 st March 2020	Covid-19, Project-2	Vathsalaya homes, Hyderabad

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5.	28 th March 2020	Covid-19,Project-1	Sanihitha Homes,secunderabad
6.	29 th November 2019	Installation of pipes,motor,water tank	Sanihitha Homes,secunderabad
7.	29 th August 2019	Eco-Dantha	Aziznagar,Moinabad
2018-2019			
1	4 th August 2019	Day Spent in orphanage	Shanthi Nilayam, Moinabad
22	16 th June 2019	Day Spent in orphanage	Shanthi Nilayam, Moinabad
3	15 th August 2018	Independence day celebrations	Shanthi Nilayam, Moinabad
4	18 th September 2018	Provided Printer	Shanthi Nilayam, Moinabad

NAP FOUNDATION - HELPING HANDS FOR CHILDREN

NAP Foundation is an NGO run by Kandula Neha. This NGO has started in the year of January 2018. It has adopted an Orphanage and is been looking after those 80 kids who are staying in the orphanage. The main motto is to bring out HIDDEN talent in CHILDREN and also to help NEEDY. A Team of 50 Volunteers who always participates in all kinds of events in collaboration with other organizations and NGOs for Volunteering

Activities Conducted NAP

S.No	Date	Event Name	Collaboration	Organized at
2018-2019				
1.	15 th November2020	Special Dinner	Vidya Jyothi Institute of Technology	Ashritha Orphanage
2.	24 th July 2020	Special Dinner	Vidya Jyothi Institute of Technology	Ashritha Orphanage
3.	9 th April 2020	Groceries Distribution to health care workers	Vidya Jyothi Institute of Technology	NAP Foundation - Secunderabad
4.	23 rd February 2020	EYE CAMP	Lions Club and Vidya Jyothi Institute of technology	Ashritha Orphanage
5.	27 th October 2019	Diwali Celebrations	Vidya Jyothi Institute of Technology	Asritha Orphanage

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6.	18 th September 2019	Clothes Donation	Vidya Jyothi Institute of Technology	Asritha Orphanage
7.	15 th August 2019	Rakhi Celebrations	Vidya Jyothi Institute of Technology	Asritha Orphanage
8.	22 nd June 2019	Books Distribution	Vidya Jyothi Institute of Technology	Asritha Orphanage
9.	7 th April 2019	Dental Camp	Astheticdent Dental and cosmic clinic	Asritha Orphanage
10.	10 th March 2019	Pinkathon	Colors and Bajaj Electronics	Necklace Road, Hyderabad
11.	18 th February 2019	Tribute to Martyred Soldiers	Sai Maa Study Center	Gandhi Nagar, Hydeabad
12.	1 st January 2019	New Year Celebrations	Vidya Jyothi Institute of Technology	Asritha Orphanage
13.	2 nd December 2018	Sweater Distribution	Vidya Jyothi Institute of Technology	Asritha Orphanage
14.	14 th November 2018	Children's Day Celebration	Vidya Jyothi Institute of Technology	Asritha Orphanage
15.	8 th October 2018	Grace cancer Run	Grace Cancer Foundation	Jalavihar, Hyderabad
16.	26 th August 2018	Airtel Hyderabad Marathon	Hyderabad Runners	Somajiguda, Hyderabad
17.	20 th May 2018	Whitathon	L.V Prasad EyeInstitute	Peoples Plaza, Hyderabad

EARTHLINGS NGO

Earthlings an Environmental NGO runs by **Sriram Arumilli** founded on Oct- 2016. Their Mission is to protect Environment. A team of 80 volunteers are working to Creating awareness to people about protecting the environment with innovative methods. They organize, large scale plantations, cleaning, renovating and protecting inland water bodies.

Activities Conducted

S. No	Date	Event Name	Collaboration	Organized at
2019-2020				
1.	16 th February 2020	Adorn Hyderabd	Lions Club and Vidya Jyothi Institute of technology	Khairtabad
2.	13 th October 2019	Race for Grace	Grace Cancer Foundation	IMAX, Hyderabad
3.	25 th August 2019	Airtel Marathon Hyderabad	Waste Management Partner	Ganti Mohana Chandra Balayogi Athletic Stadium
4.	21 st July 2019	Seed Ball Making	Vidya Jyothi Institute of Technology	Kukatpally Housing Board, Hyderabad
2018-2019				

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5.	19 th May 2019	Anti Plastic Awareness Camp	Vidya Jyothi Institute of Technology	Kukatpally Housing Board, Hyderabad
6.	24 th February 2019	Hyderabad Club Run	Waste Management Partner	University of Hyderabad
7.	10 th February 2019	Saveathon	HDFC Bank	Peoples Plaza, Necklace road, Hyderabad
8.	27 th January 2019	Adorn Hyderabad	Vidya Jyothi Institute of Technology	Secunderabad Railway Station
9.	2 nd December 2018	Beat the Cold	Vidya Jyothi Institute of Technology	Nanal Nagar, Hyderabad
10.	7 th October 2018	Race for Grace	Grace Cancer Foundation	Necklace Road, Hyderabad
11.	18 th September 2018	Clay Idol Distribution	Eco-Friendly Ganesh	Value Labs, Hyderabad
12.	27 th August 2018	Airtel Hyderabad Marathon	Waste Management Partners	Ganti Mohana Chandra Balayogi Athletic Stadium
13.	1 st July 2018	Adorn Hyderabad	Vidya Jyothi Institute of Technology	Begumpet, Hyderabad
14.	18 th March 2018	Spreading Smiles	Vidya Jyothi Institute of Technology	Mahima Ministries, Chandanagar, Hyderabad

CULTIGATE

Cultigate - Start up started by **Sanghishetty Praneeth** in the year of July 2019. At present there are 110 Volunteers to support their cause. They trade all kind of plants and plant accessories at reasonable prices, they are unique at selling ayurvedic plants which are very rare and which cures many diseases and all the money which they earn through will be using for awareness events and will be using for social causes.

In future they will create a platform where people can come and explore their hidden talents, OT (open talks) chapter. Within 2 years cultigate is planning to start an eco friendly store and supply unique handmade product.

Activities Conducted:

S.No	Date	Event Name	Organized at
1.	2 nd February 2021	Ride for nature	North INDIA.
2.	5 th June 2020	Planted Saplings	Aziz Nagar, Moinabad.
3.	29 th May 2020	Team Cultigate From Vijayawada.Distibuted Groceries For	Vijayawada, AP.

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		Poor People.	
4.	5 th May 2020	Groceries distribution for poor.	Lower Tankband, Nathaji Nager.
5.	30 th April 2020	One meal a day	Hyderabad.
6.	9 th April 2020	Food packet distribution	East Zone of Hyderabad.
7.	8 th April 2020	Food packet distribution	West Zone of Hyderabad.
8.	5 th April 2020	Food packet distribution	South Zone of Hyderabad.
9.	4 th April 2020	Food packet distribution	North Zone of Hyderabad.
10.	25 th Decemeber 2019	Blanket donation	Medhipatnam, Gudimalkapur.
11.	2 nd November 2019	HARSHAVARDHAN	Vidya Jyothi Institute of Technology
12.	15 th September 2019	Food Donation at Orphanage	Government Primary School, Hyderbasti, Secunderabad
13.	30 th August 2019	Distribution of Eco Friendly Ganesha and plant	Vidya Jyothi Institute of Technology , Hyderabad
14.	14 th August 2019	Clothes and Food Donation to Homeless	Gandhi Hospital, Secunderabad
15.	7 th August 2019	Food and Book Donation at Orphanage	Government Primary School, Hyderbasti, Secunderabad
16.	5 th August 2019	Planting and Distribution of 500 plants with children	Viveka Vardhani School, Aziz Nagar, Hyderabad

Co-Curricular and Extra Curricular Activities

VJIT conducts subsequent/underneath events annually to reflect positive personality development amongst students as a part of curricular/ co-curricular activities.

All the events/clubs are organized by student teams respectively demonstrating their leadership and team skills.

Annual Events

Phoenix (February) Phoenix is the college's annual technical and sports fest that happens in the month of February where in the sports events are handled by sports coordinators and the technical events are handled by the respective department's students.

Crescendo (March) Crescendo is the college's annual cultural fest which is organized by the students from the Yukthi club in the month of March. The cultural club conducts workshop on various arts on the college's annual day.

Several competitions like mimicry, singing, and dance battles are conducted. Participation from the other college's also observed.

Teacher's Day (5th of September) after our parents, the people who most significantly impact our lives – and a life-long love for a particular subject – are our teachers. Teachers' Day is an occasion to celebrate this unique role that gives adults the power to shape young minds and thereby the future of a country. Teacher's day is celebrated every year on the 5th of September and is conducted by the college students.

Women's Day (8th of March) A few competitions like Mehendi designs, Rangoli, Elocution, Hair Styling, Paper Craft, and Women Entrepreneurship were proposed to draw parallels between work and healthy entertainment.

Bathukamma (October) "Bathukamma" – Telangana's floral festival marks the beginning of sharadh rathu which is celebrated in the month of October. All the women folk at VJIT, in their traditional attire assembled, celebrated in the campus, with the floral conical stacks placed in the centre, women of vjit then danced around clapping hands in rhythm moving in unison. The celebration was followed by Dandiya a traditional folk dance form performed especially at Navaratri Days, originated in Vrindavan by Lord Krishna.

Clubs:

Photography Club: A couple of students from the Vidya Jyoti Institute of Technology who were very passionate about photography and the technique that lies underneath every extraordinary picture, started a club known as "VJIT PGC" in the year 2013. Some of the competitions are selfie contest, musical.ly contest, dubsmash contest, etc that are the current trends on the social networking media as of today. The facebook link is given below

<https://www.facebook.com/VJITPGC/>

Literary Club: The literary club aims to develop analytical and creative thinking skills. It offers opportunities to appreciate different types of literature and increase their own literary skills. The Literary Club aims at not only refining the literary skills of the students but also developing in them logic and curiosity to know more and to instill in them a confidence to speak well. They conduct debate, elocution and floor crossing competitions.

Dance Club: The College's dance club has been taking care of all the dance related activities that take place during the Crescendo (that takes place in the month of march).

SPICMACAY (Society for the Promotion of Indian Classical Music and Culture amongst Youth): It is a non-political, nationwide voluntary movement founded in 1977 by Dr. Kiran Seth, Professor-Emeritus at IIT-Delhi who was awarded the 'Padma Shri' for his contributions to the art in 2009. Spicmacay VJIT was established with its main objective being the collaboration of students from different years and branches coming together to represent various Indian Art Forms. We have a team of dedicated classical dancers, singers and instrumentalists who are ever-ready and proud to display their interest in various cultural art forms. We aim at showcasing the beauty that our culture beholds.

VJIT Radio: The VJIT Campus radio program which is powered by Younify, is a program which is run by students from various branches and years working together to make this a success. We are a team of 32 members who are divided into 8 different teams where each team works on the individual focused task with only one aim in mind to get out listeners the best content possible and one they truly deserve. The first show was aired on the 7th June 2020. The aim of the college radio is to make the students not lose the connection with the college during the lockdown period.

Annual Events 2021-2022

S. No	Event	Date	Chief guest
1	Bathukamma Celebrations	11 th October 2021	Sunita Gongidi – MLA., Alair
2	Teachers day	4 th september 2021	Dr.E.Saibaba Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology.
3	Independence day	15 th august 2021	Dr.E.Saibaba Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology.
4	Cybercrime awareness Program	7 th July 2021	B.Raju-Moinabad CI

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5	International Yoga day celebration	21 st to 23 rd June 2021	K.Neelima HFN Yoga Trainer ,S.Kamakshi IL Executive Coach ,Life Coach ,Corporate Trainer ,Dr.Shaik Kamruddin ,Heartfulness Trainer ,B.Goutham Sharma Heartfulness Trainer
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Annual Events 2020-2021

S. No	Event	Date	Chief guest
1	Women's Day	6 th March 2021	Sunaina Ticko, Founder & CEO Brainpreneurs ,Sree Latha Shankar HR Professional ,Geeta Goti HR Corporate Governance and Labour Compliance
2	MOU with EEE CS, Hyderabad	8 th February 2021	Er.Rakesh Reddy, MD EE Engg.Construction services
3	Republic Day	26 th January 2021	Dr.E.Saibaba Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology,
4	Rangoli Competition	12 th January 2021	Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology
5	Orientation Program	20 th & 21 st November 2020	
6	Virtual Bathukamma Celebrations	24 th October 2020	Dr.E.Saibaba Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology,Srilatha ,Academic Coordinator
7	Teachers Day (Vrtual)	5 th September 2020	Dr.E.Saibaba Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology
8	Independence Day	15 th August 2020	Dr.E.Saibaba Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology
9	All that Count is Right Attitude(Webinar)	9 th July 2020	Anindita Sinha, Head of corporate Communications ,L&T Metro Rail Ltd
10	Covid-19 New challenges in Technical Education & Way forward	30 th June 2020	Dr. A. Govardhan, Rector,JNTUH
11	International Yoga Day	21 st to 23 rd June 2020	Dr.K.Indra Pavan , Dermatologist,Heartfullness Trainer, ,S.Kamakshi IL Executive Coach ,Life Coach ,Corporate Trainer
12	Research Methodology and good	12 th June 2020	Dr. Pradeep kumar Ramancharla, IIIT Registrar

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	administrative skills (Webinar)		
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Annual Events 2019-2020

S. No	Event	Date	Chief guest
1	Accelerating engineering Skills To Challenge the Covid19 Crisis Times	30 th May 2020	Dr,BVR Mohan Reddy Founder and Executive Chairman Cyient ltd.Hyd
2	Transition Of Life:s Perspective after Covid19 impact(Webinar)	22 nd May2020	Padma Bhushan Dr,D.Nageshwar reddy Chairman & Chief of Gastroenterology AIG
3	Womens Day	7 th March 2020	Dr. Lakshmi Rathna Marakani, Divisional Director & HOD Gynecology,NICE Hospital
4	Project Expo	29 th February2020	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
	Republic Day	26 th January 2020	Dr. P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology,
5	Alumni Meet (Milan)	28 th December 2019	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology,Dr.Sidharth Gosh,Head of TPO
6	Bathukamma Celebrations	5 th October 2019	Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology,
7	Traditional Day	14 th September 2019	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology, Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology, Srilatha ,Academic Coordinator
8	Teachers Day	5 th September 2019	Dr. P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology
9	Independence Day	15 th August 2019	Dr. P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology
10	Orientation Day	2 nd August 2019	Dr.P.Rajeshwar Reddy, MLC & Govt. Whip, Secretary & Correspondent VIIT.Dr. P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology
11	Graduation Day	14 th July 2019	Chief Guest:Sri B.Janardhan Reddy, Secretary to Govt. of Telangana Education department Guest of honour: Sri Lokesh Nathani,Founder Disruppt Thinking-LLP

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12	Meditation Program	24 th to 26 th June 2019	Dr. P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
13	International Yoga Day	21 st June	Mr. M.Gangadhar, Govt.Official

Annual Events 2018-2019

S. No	Event	Date	Chief guest
1	Udhbav 19, Techno Cultural Fest.	2 nd April 2019	Dr. Pratapsinh Kakasaheb Desai President, Indian Society for Technical Education
2	Women's Day	8 th March 2019	Dr. Thishitha Tej. Clinical Nutritionist
3	Alumni Meet (Milan)	2 nd February 2019	Dr.P.Rajeshwar Reddy, MLC Govt Whip Govt of Telangana, Correspondent & Secretary, Vidya Jyothi Institute of Technology
4	Republic Day	26 th January 2019	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
5	Traditional Day	13 th October 2018	Dr. A. Padmaja, Principal, Vidya Jyothi Institute of Technology
6	Fresher's Day	22 nd September 2018	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
7	Teachers Day	5 th September 2018	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
8	Independence Day	15 th August 2018	Dr. P. Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
9	Anti Ragging Awareness Program	28 th July 2018	Ms. P.V. Padmaja, DCP, Shamshabad
10	Orientation Day	19 th July 2018	Dr.P.Rajeshwar Reddy
11	Graduation Day	14 th July 2018	Sri. BVR. Mohan Reddy, IIT Hyderabad.
12	Faculty Orientation Program	7 th July 2018	Dr. GVV Sharma, Associate Professor, Department of Electrical Engineering IIT Hyderabad.

CRITERION 10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120
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10.1 ORGANIZATION, GOVERNANCE AND TRANSPARENCY (40)

10.1.1 State the Vision and Mission of the Institute (5)

(Vision statement typically indicates aspirations and Mission statement states the broad approach to achieve aspirations)

Vision:

- To develop into a reputed Institution at National and International level in Engineering, Technology and Management by generation and dissemination of knowledge through intellectual, cultural and ethical efforts with human values
- To foster Scientific Temper in promoting the World class professional and technical expertise

Mission:

- To create state of art infrastructural facilities for optimization of knowledge acquisition
- To nurture the students holistically and make them competent to excel in the global scenario
- To promote R&D and Consultancy through strong Industry Institute Interaction to address the societal problems

10.1.2 Availability of the Institutional Strategic Plan and its Effective Implementation and Monitoring

The strategic plan of the college is developed involving all the stakeholders through group discussions, workshops and adopting a participatory approach at institutional and department level. The Promoter Society is committed to educational development, infrastructural augmentation and institutional growth.. Management gathers information from all stakeholders, observers and evaluates the best practices and strategies of other institutions to strive for excellence. According to the perspectives of the Society, college determines the infrastructure and various activities for academic advancement, and allocates budget accordingly.

The strategic/perspective plans of all the departments are prepared after the institutional plan is drafted keeping in view the vision and mission of the institute. The plan is made with the innate characteristics of primacy and flexibility covering all the aspects of academic, administrative and quality issues. Academic activities are planned by adapting outcome based education adopting student-centric teaching methods, choice-based credit system, industry-oriented live projects, Participation in Hackathons, technical conferences etc.,. The administration involves the committees in various matters

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like course structure and continuous evaluation, training & placement, industry interaction, career counselling, entrepreneurship. Outreach and financial performance facilitates and ensures that teaching learning process runs smoothly and productively. Quality sustenance is carved out by training the faculty on cutting edge technologies, recruiting doctoral degree holders in different disciplines, arranging infrastructure to nurture the R&D activity, promotion of professional bodies and their activities for the overall development of staff and students.

The plan is developed with an objective of achieving excellence through optimum utilization of resources.

Institution has a strong Strategic plan prepared for 2015-20 aiming at clearly formulated objectives.

1. Facilitating high-quality knowledge
2. Curriculum as per industry trends/New Courses Introduction/Fast Track Curriculum
3. Fostering human values and all-round development
4. Development of competencies and skills/ Enabling to handle the technological challenges
5. Promote R&D and Consultancy through strong Industry Institute Interaction to address the societal problems
6. Create good infrastructural facilities for optimization of knowledge acquisition
7. Nurture the students holistically and make them competent to excel in the global scenario

The management conducts regular review of compliance to strategic plan (both long term goals and short term goals). It aims to conceptualize learning outcomes in more comprehensive terms and desires that its graduates possess distinguished academic and personal abilities. The management feels that quality of faculty and diversified educational system has an important role to play in an institution to reach its full potential.

To have more faculty with PhD qualification at all levels

The institution encourages the existing faculty to pursue higher qualification and there is a considerable increase in the number of faculty registered for Ph.D. The institution aims at having 50% faculty with doctoral degree within next two years. The institution has excellent retention rate of faculty, thereby focusing on administrative stability, clarity, engagement in various faculty development programs. The management has implemented several measures for faculty satisfaction and retention.

The strategic plan was successfully implemented based on the actionable tasks mentioned in strategic plan and the outcomes are clearly visible now.

Strategic Plan 2020-25

S.No.	Plan	Target	Action
1.	NIRF Ranking	Participation in every academic year Ranking below 200 Band	1. Student outcomes improvement 2. Placements Quality Improvement 3. Research Publications 4. Perception

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			<p>Focused on the above parameters during the years</p> <p>2019-20:28.54 score</p> <p>2020-21: 251-300 rank band</p>
2.	ARIIA Ranking	<p>Participation in every academic year</p> <ol style="list-style-type: none"> 1. Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus 2. Start-ups have received Grant / funding from Pre-Incubation/Incubation Centre/Facilities 3. Co-Incubation Partnership: Co-Incubation Partnership made with other Institutions either to offer incubation support (or) to receive incubation support 4. Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities 5. IP Granted and Published: Tech Transfer and Commercialized 6. Total Expense towards innovation, IPR and Startup 	<p>Focused on the below initiatives</p> <ol style="list-style-type: none"> 1. MoE MIC Initiatives quarter wise initiated as per the calendar 2. Programs Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation 3. I&E Programs Organized within the Campus 4. Short time & Elective / Core Credit in Innovation/IPR/Entrepreneurship 5. IPR Cell / Patent Facilitation Unit 6. Support from the institute for IPR
3.	NAAC	To get A+ Grade in NAAC	<ol style="list-style-type: none"> 1. Action on NAAC PEER TEAM Comments 2. SSR Submitted and waiting for peer team visit

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4.	NBA under Tier-1 for CSE,IT,ECE,EEE & Mech departments/NBA Civil Accreditation	<ol style="list-style-type: none"> 1. To get Accreditation for Civil 2. To apply for Accreditation Under Tier-1 for CSE,IT,ECE,EEE and Mech Departments 	<ol style="list-style-type: none"> 1. Civil department accredited under TIER-2 with 748 score 2. Initiated efforts towards applying for NBA Under Tier-1
5.	Autonomous Renewal	Preparing the autonomous document	<ol style="list-style-type: none"> 1. Autonomous expert committee visit completed.
6.	Teaching and Learning Plan	<ol style="list-style-type: none"> 1. Development of smart class rooms with state- of- art facilities 2. Use of more LCD and laptops in teaching and learning 3. Extensive use of online Teaching and Learning resources (INFLIBNET) 4. Teacher's skill enhancement through attending conferences and FDP's/STTP 	<ol style="list-style-type: none"> 1. Facilities have been increased. 2. LCD projectors are available in all the class rooms and Laboratories 3. Learning resources have been increased. 4. Financial support provided for Teachers to enhance effective teaching skills.
7.	Curriculum Improvement	<ol style="list-style-type: none"> 1. Internal and External Assessment: 30:70 2. More MoUs for Student Exchange Programmes 3. Introduction of MOOC's Credit Courses 4. B.Tech Degree with Major/Minor 5. To strengthen in the area of patents/Students Innovation patents submission.Suggestions given in academic council and BoG Minutes 	<ol style="list-style-type: none"> 1. This has been initiated and implemented for the academic year 2021-22 2. 2,3,and 4 points are planning to implement for the academic year 2022-23 and further years. 3. Suggestions have been noted and are under planning to be implement in a phased manner. 4. Suggestions will be taken from stakeholders
8	To increase the pass percentage	Incremental improvement of 5% every year	Department wise strategic plan has been prepared to improve in this direction.
9.	Attract Funds for Research Projects	All departments need to apply for research proposals. And identify the sources	Applying for more funded research projects / proposals.

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		forreceiving funding	1. Total 16 research projects worth 153.845 lakhs granted during the last 5 academic years from UGC,DST and DRDO.
10.	Research Centers of University (ECE,EEE& Civil)	All Eligible departments	<ol style="list-style-type: none"> 1. CSE & Mech Depts recognized in 2019-20 2. Applied for ECE,EEE and Mech Departments in 2020 3. Targeting for all departments to have recognized research centers.
11.	To increase the faculty with Ph.D qualification	<ol style="list-style-type: none"> 1. Encouraging more internal faculty members to pursue Ph.Ds 2. Recruiting more Ph.D'S 	<ol style="list-style-type: none"> 1. Across all the departments 102 faculty have registered for Ph.D's. 2. Recruiting more Ph.D's, has been increased.
12.	Enhancing Quality Research Publications	1. Encouraging for more peer reviewed publications	<ol style="list-style-type: none"> 3. Focusing more on quality research papers. 4. As on 2021(September) 230 Scopus and 61 WoS publications are there. 5. Target is to increase to 500 by 2025 as per the strategic plan of the departments. 6. Publications in indexed journals:Financial support to teachers
13.	Applying for patents	To strengthen in the area of patents/Students Innovation patents submission.	<p>Plan has been initiated</p> <ol style="list-style-type: none"> 1. As on 2021(September)11 patents have been granted, 30 patents published and 11 are in applied status. 2. 3 students have applied for patents. 3. Planning to support students to apply for

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			<p>more patents.</p> <p>4. To focus on the revenue generation.</p>
14.	Quality Improvement Schemes Funding (AICTE/DST)	Applying for the schemes in AICTE AQIS and DST	1. As on today total 9 projects granted with 59.80 lakhs from AICTE
15.	Incubator for Startups	<p>Applying for AICTE 'Technology Business Incubators' and 'Livelihood Business Incubators'</p> <p>DST : Technology Business Incubators'</p> <p>DST : EDC funding</p>	<p>1. Institute has recognized MSME – Incubation Center</p> <p>2. Data Ready</p> <p>3. DST NIMAT funding received for 2 academic years</p> <p>4. Plan has been initiated to apply for more schemes</p>
16.	Placements Quality Improvement	<p>1. To target for placement drives, only for an Annual Salary Package of 3 lakhs and above</p> <p>2. To enhance the Technical/Coding skills in students</p> <p>3. Professional Communication Skills</p> <p>4. Core Companies plan</p>	<p>1. Necessary measures have been initiated to improve average salary package.</p> <p>2. Training plan initiated to improve coding skills</p>
17.	Green Audit	<p>1. Procedure for Green Audit</p> <p>2. Activities under Green Campus</p> <p>3. Plastic free campus</p>	<p>Implementation of Green Initiatives</p> <p>1. Rainwater Harvesting Pits</p> <p>2. Solid Waste Water Management</p> <p>3. Conducting Green Landscape Audit, Carbon footprint & Energy Audit, and Environmental Audit every academic year</p>
18.	Energy Audit	<p>1. Energy Audit Recommendation</p> <p>2. Electricity Bill Analysis</p> <p>3. Use of Solar Power PV and analysis (No. of units reduction)</p>	1. Conducting Internal & External Energy audits annually
19.	Internal and External Academic Audit	Internal and external academic audit every	Initiated and implementation every academic

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		academic year at the end of 2 nd semester	year
20.	Infrastructural Facilities	Improvement in infrastructural facilities	As per the Departments needs and student needs the Institute focuses on increasing infrastructural facilities annually.
21.	Enhance Engagement with Society and Industry Industry Institute Cell	<ol style="list-style-type: none"> 1. Invite Industry experts for motivating students and provide practical knowledge 2. Strengthen Campus placement and training facility by building more industry linkages 3. Promote/Encourage students to work on real projects for industries 	<ol style="list-style-type: none"> 1. Department wise IIC Coordinators to strengthen IIC 2. Signing MoU's with Industries 3. Establish more Center Of Excellences
22.	Enhance alumni engagement	More interactions with alumni	More interactive sessions and also include senior alumni in BoG/IQAC/Academic council as members

Prime Focus Points-Academic Year Wise

S. No.	Academic Year	Main Focus
1.	2020-21	<ol style="list-style-type: none"> 1. New Programs as per industry needs 2. NIRF Ranking 3. ARIIA Ranking 4. Placements quality improvement/average salary package enhancement 5. NBA Civil Department 6. To get good score and grade in NAAC.
		<ol style="list-style-type: none"> 1. Curriculum Improvement

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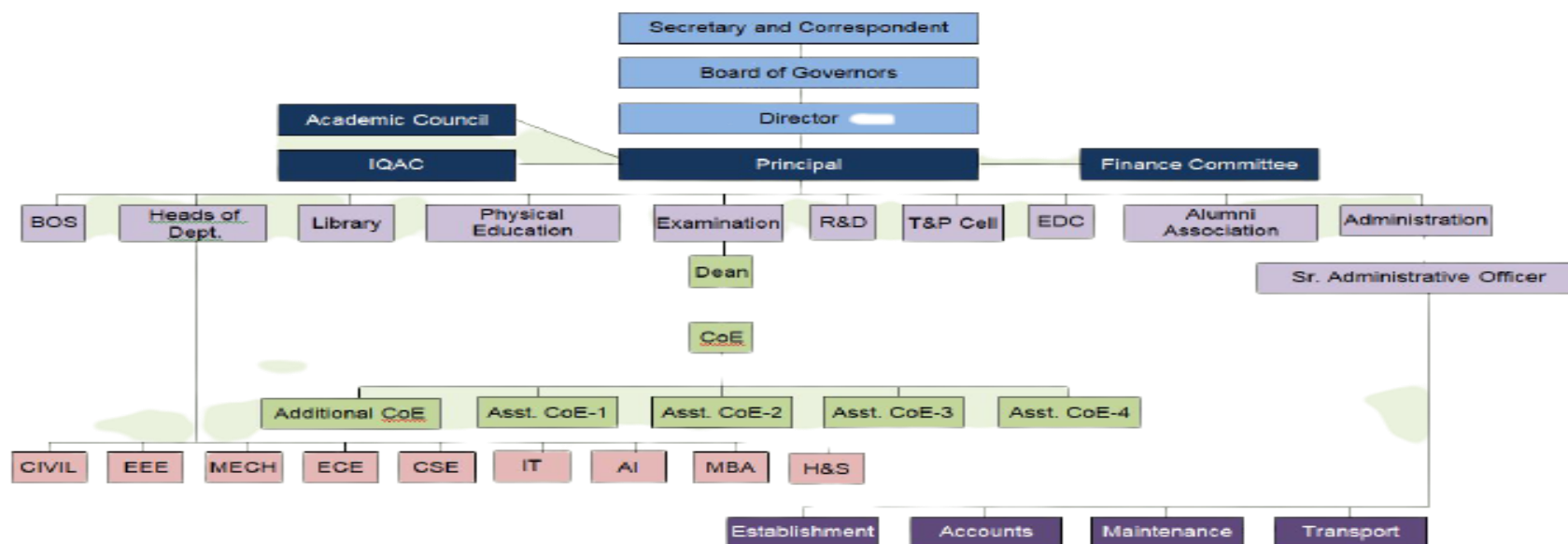
2.	2021-22	<ol style="list-style-type: none">2. NBA Accreditation under Tier-1 CSE,ECE,IT,EEE & Mech departments3. Quality Faculty Recruitment4. Strengthening IIIC Cell/MoU's5. Research Projects/Research Centers/Industry collaborative Centers6. Alumni engagement7. Consultancy facilities
3.	2022-23	<ol style="list-style-type: none">1. Consultancy revenue generation on small projects2. Start Ups/Incubation facilities
4.	2023-24	<ol style="list-style-type: none">1. Industry driven Courses2. Towards Patents revenue generation3. Industry collaborative Centers
5.	2024-25	Overall Strategic plan for 2020-25 and set parameters for improvement and preparing the plan for the academic years 2025-30

10.1.3 Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies (10)

List the governing, senate, and all other academic and administrative bodies; their memberships, functions, and responsibilities; frequency of the meetings; and attendance therein, in a tabular form. A few sample minutes of the meetings and action-taken reports should be annexed.

The published rules including service rules, policies and procedures; year of publication shall be listed. Also state the extent of awareness among the employees/students.

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Governing Body: The Governing Body of the Institution carries responsibility for ensuring effective management of the Institution and for planning its future development. The Governing body looks after the affairs of the Institution and demonstrates the primary objectives of teaching and research. It includes considering and approving the strategic plan for the institution, and identifying the financial, physical and staffing strategies. The members of the body are dedicated eminent personalities such as educationists and industrialists etc.

The Board of Governors meet twice in a year and takes policy decisions on financial, academic, and administrative matters for the development of the institution. They render advice for starting new academic programs etc. The board meets to review various academic activities undertaken and monitors the progress of various academic programmes to meet the institution's vision and mission by taking the views of stake holders into account. The Board being an advisory body formulates rules and regulations for corrective actions to be taken for smooth functioning and better attainment of academic activities of the institution.

- The Chairman is the functional head of the college. He mainly looks after academics, development of infrastructural facilities and overall institutional growth. Chairman present the proposals to the Governing Body for its approval.
- The Secretary& Correspondent is the chief executive of the College. He coordinates with the sponsoring Society, College Management Committee and the Governing Body.

Academic Council:

The Academic Council shall have powers to:

- Scrutinize and approve the proposals with or without modification of the Boards of Studies with regard to courses of study, academic regulations, curricula, syllabi and modifications thereof, instructional and evaluation arrangements, methods, procedures relevant thereto etc., provided that where the Academic Council differs on any proposal, it shall have the right to return the matter for reconsideration to the Board of Studies concerned or reject it, after giving reasons to do so.
- Make regulations regarding the admission of students to different programmes of study in the college keeping in view the policy of the Government.
- Make regulations for sports, extra-curricular activities, and proper maintenance and functioning of the playgrounds and hostels.
- Recommend to the Governing Body proposals for institution of new programmes of study.
- Recommend to the Governing Body institution of scholarships, studentships, fellowships, prizes and medals, and to frame regulations for the award of the same.
- Advise the Governing Body on suggestions pertaining to academic affairs made by it.
- Perform such other functions as may be assigned by the Governing Body.

Director advises the Management, administrative and developmental activities by keeping himself at pace with the latest trends in education. He shall be an active experienced person having distinguished himself in academic and administrative work.

The Principal is the chief academic administrator and a bridge between the Management, Staff and Students.

Board of Studies:

The Board of Studies of a Department in the college shall:

- prepare syllabi for various courses keeping in view the objectives of the college, interest of the stakeholders and national requirement for consideration and approval of the Academic Council;
- suggest methodologies for innovative teaching and evaluation techniques;
- suggest panel of names to the Academic Council for appointment of examiners; and coordinate research, teaching, extension and other academic activities in the department/college.

Heads of Departments

- HODs shall report to the Principal on the matters that come within their purview.
- HOD is responsible for the functioning of their department as per the laid down policies of the college.
- HOD prepares budget estimation of the department for every Academic year.
- HOD will constitute various committees in the department to help in various academic matters

Members of Governing Body

BOARD OF GOVERNORS MEETING

The meeting of Board of Governors (BOG) of Vidya Jyothi Institute of Technology, Hyderabad is held on 14th November, 2019 in the Directors chamber at 11.30 AM, to discuss the agenda given in the circular. The following are the members of BOG meeting;

S. No.	Name of the Member	Qualifications and current engagements	Position in the BOG
Chairperson:			
1	Dr. R. Pradeep Kumar	M.Tech., Ph.D., Professor of Civil Engg., & Registrar IIIT, Hyderabad	Chairman
Members of the Trust/ Society/ Management:			
2	Dr. P. Rajeshwar Reddy	MLC, Govt. Whip., M.Sc., Ph.D Secretary & Correspondent of VJES	Member
3	MrKrishna Palla	B.Tech, MPS (USA)	Member
4	Mrs. S. Neelima	M.Tech., Joint Secretary of VJES	Member
5	Dr. M. Govind Ram Reddy	M.Sc., Ph.D Member of VJES	Member
Educationist:			

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6	Dr. E Sai Baba Reddy	Director, VJIT	Member
UGC Nominee:			
7	Dr. Arpana Beniwal	Associate Professor, Vivekananda College, University of Delhi, Delhi	Member
Member from State Government:			
8	Mr. Navin Mittal	i/c CTE, Govt. of Telangana, Ex-Officio member	Member
Member from Industry			
9	Dr. Balaji Uthla	CEC, Chairman	Member
One Nominee of the University to which the Institute of affiliated:			
10	Dr G Vijaya Kumari	Professor of CSE, JNTUH	Member
Two Faculty members of the Institution:			
11	Dr P Venugopal Reddy	Ph.D, Professor of Physics Dean Examinations	Member
12	Dr. B. Vijaya Kumar	M.Tech., Ph.D., HoD & Professor of CSE	Member
13	Dr. V.V. Satyanarayana	M.Tech., Ph.D., IQAC Head Professor of Mech. Engg.	Member
Head of the Institution, Ex-officio			
14	Dr. A. Padmaja	M.Tech., Ph.D., Principal VJIT	Member Secretary

The Institute has several committees constituted by the Principal and also nominates the coordinators of various committees with their roles and responsibilities.

The Institute has IQAC and the functions of IQAC are given below.

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- IQAC is responsible for fixing quality parameters for various academic and administrative activities.
- Monitoring the organization of class work and related academic activities.
- Conducting Internal Quality Audits periodically to verify the effectiveness of measures taken in reaching the quality parameters.
- Documenting various programs/academic activities leading to quality improvement and reviewing their effectiveness in quality improvement/sustenance.

Members of Internal Quality Assurance Cell (IQAC)

Member		Name	Position
Chairman	1	Dr. E. Saibaba Reddy	Director
Co-Chairperson	2	Dr.A.Padmaja	Principal
Member from Management	3	Dr. P. Rajeshwar Reddy	Secretary & Correspondent, VJES
Member from Management	4	Ms. S. Neelima	Joint-Secretary, VJES
Member	5	Dr. P. Venugopal Reddy	Dean. Exams
Coordinator IQAC	6	Dr. V V Satyanarayana	Prof in Mech
Teachers to represent all levels (Members)	7	Dr. G.Sreeram Reddy	HOD(Mechanical)
	8	Dr. B. Vijaya Kumar	HOD (CSE)
	9	Dr. A. Srujana	HOD (EEE)
	10	Dr. Siddhartha Ghosh	Professor, Head, AI & TPO
	11	Dr. K. Vasanth	HOD (ECE)
	12	Dr. Pallavi Badry	HOD (Civil)
	13	Prof. B. Srinivasulu	Professor & Head, IT
	14	Prof. M. Raiendraprasad	Professor & Head, H&S
	15	Dr. P. Chakradhar	Professor & Head, MBA
	16	Dr. Ravi Mathey	Professor, CSE & CoE
	17	Dr. C.N. Ravi	Professor, EEE
Member	18	Mr. R. Venkata Chalam	Sr. Administrative Officer
Member	19	Ms. G.Srilatha	Academic Coordinator
Member	20	Mr. Shubhajit Jagadev	Associate Director & Head. Cisco ASC & ITC, India (Industrialist)

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Member	21	Mr. P. Nirdosh Reddy	Executive Engineer, TSSPDCL, (Parent)
Member	22	Dr. P. Radha Krishna	Professor & HoD Department of Computer Science And Engineering, NIT, Warangal (Parent)
Member	23	Mr. Suresh Kuppu	Founder Trustee of Sloka School (Nominee from local Society)
Member	24	Mr. E. Sathish Reddy	Tech Mahindra Program Manager (Alumni)
Member	25	Mr. Raghav Srusti	Account Manager, ESP Business Siemens Industry Software (India) pvt Ltd. Hyderabad (Alumni)
Member	26	Mr. Anurag Patlolla	Senior developer, Cognizant technology solutions (Alumni)
Member	27	Mr. D. Sai Varun Reddy	Tech lead, Zemosolabs (Alumni)
Member	28	Ms. K. Neha	Student
Member	29	Mr. J. Venkateshwara Rao	Student

The Academic Review Committee consists of the following members

S.No	Name of Member in ARB	Position in the ARB
1	Dr. P Venugopal Reddy	Chairman
2	Dr. A Padmaja	Convener
3	Ms. G Sreelatha, Academic Coordinator	Member
4	Dr. Pallavi badry HOD (CIVIL)	Member
5	Dr. B. Vijaya Kumar HOD (CSE)	Member
6	Dr. K. Vasanth HOD (ECE)	Member
7	Dr. A. Srujana HOD (EEE)	Member

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8	Dr. Siddartha Ghosh ,HOD (IT)	Member
9	Dr.G.Sreeram Reddy HOD (Mech)	Member
10	Mr M Rajendra Prasad HOD (H&S)	Member
11	Dr. P. Chakradhar, HOD (MBA)	Member

RTI committee:

The basic objective of the Right to Information Act is to promote transparency and accountability in the working of the organization. The Act is a big step towards making the citizens informed about the activities of the government.

S.No.	Name	Designation
1.	Dr.A.Padmaja	Convener
2.	Mr.R.Venkata Chalam	Member
3.	Dr.G.Sreeram Reddy HOD (Mech)	Member

Finance Committee:

The Finance Committee advises the governing body on all matters related to financial policies and management of the finance of the Institute. To examine the audit report of the Institute and present the same to the Governing body for its approval.

S.No	Name of the Member	Position in the FC
1	Dr E Saibaba Reddy	Chairman
2	Mrs S Neelima	BOG Nominee
3	Shri G Janardhan Rao	Finance officer JNTUH
4	Dr A Padmaja	Member
5	Dr P Venugopal Reddy	Member
6	Mr R V Chalam	Member
7	Mrs G Srilatha	Member

In continuation to the above, department level committees DAB (Department advisory board) constituted by the respective heads to develop and recommend the Vision & Mission statement of the department & provide guidelines for formulation of programme educational objectives (PEOs) and Programme specific outcomes(PSOs),Receive the reports of programme assessment committee and monitor the progress of the programme.

Defined rules, procedures, recruitment, and promotional policies

The revised rules and policies are well documented and brought in the form of a booklet HR Policy. The HR policy is available in all the departments and each employee is educated on the code of conduct by HoD at the time of appointment. Copy is also available in the library and also on college website.

The staff recruitment at each level is through advertisement in newspapers as well as keeping the same on the website. Staff members are recruited through selection committee constituted by affiliating University JNTUH. The selection committee consists of the Director as its Chair Person, Principal, Affiliating University Nominees –Two Members, Subject experts –Two members and HoD of concerned department. For internal promotion through CAS, the norms of AICTE & Affiliating University are followed.

Welfare schemes available for teaching and non teaching staff**Welfare schemes for teaching staff**

- Staff Members are eligible for the following incentives and rewards, based on their performance, contribution and years of service at the Institution. These are applicable to staff members with a minimum of 1 year service in the Institution
- For producing 100% results in a theory paper: Rs 1000/- Cash Award
- For producing 95% results in a theory paper : Rs.500/- Cash Award
- For producing 90% results in a theory paper : Rs.300/- Cash Award
- Professional Society Life Membership Fee – 50% paid by the Management for Faculties with minimum three years of service at the Institution (Maximum One Professional Society per staff member)
- Paper publication in National/International journals with an Impact factor as first and second author is given Rs 1000/and Rs 500/ respectively as one time incentive
- Paper publications in International Conferences of Prime Institutions -100% TA, 100% Registration Fees, on Duty and Cash Reward
- For paper presentation in a national conference the institute will sponsor by paying the registration fee along with duty leave
- Accredited departments with Accreditation of 3 years – Faculty are given one time incentive to Faculty and supporting Staff members.
- Best Teacher award is presented to eligible teachers every year on the eve of Teacher's day celebrations with a cash award of Rs10,000/-
- Special incentive increments will be sanctioned on completion of 5yrs, 10yrs and 15 yrs service in the same cadre
- Group insurance given to the faculty
- Transport Facilities: Only 25% of charges are levied to avail college transport
- Maternity leave up to six months maternity leave is applicable for women staff
- Interest free loan in the case of medical emergency are sanctioned to the employees and it has to be repayable in 10 monthly installments
- Faculty who scores between 60% - 80% in API score, gets an additional incentive increment.
- Faculty who scores more than 80% in API score gets an additional incentive increment

Welfare schemes for non teaching staff

- Supporting staff Members are provided with free computing skills programs
- EPF/ESI facility is provided to all eligible teachers and non teaching staff members.
- Additional increments are sanctioned recognizing their commitment towards their duties
- Special incentive increments will be sanctioned on completion of 10 yrs and 15 yrs service in the same cadre
- Transport Facilities: Only 25% of charges are levied to avail college transport
- Maternity leave up to six months maternity leave is applicable for women staff
- Interest free loan in the case of medical emergency are sanctioned to the employees and it has to be repayable in 10 monthly installments

10.1.4 Decentralization in working and grievance redressal mechanism (10)

List the names of the faculty members who have been delegated for taking administrative decisions. Mention details in respect of decentralization in working. Specify the mechanism and composition of grievance redressal including anti ragging committee and Sexual harassment committee.

Grievance and redressal committee is constituted in the college to attend the grievances. All the grievances addressed by the stakeholders are examined by the Grievance Redressal Committee, and appropriate solutions are suggested. Three different committees are constituted for staff, students and women.

Grievance Redressal Committee for staff:

Staff can lodge a complaint personally/ write/e-mail to any member of the Cell. Suggestion/ Compliant Boxes are provided at office of the Principal for staff to lodge their complaints/ suggestions.

Functions:

- To identify systemic flows and flaws in the design and administration of various issues and to seek solutions
- A grievance redressal committee looks into the complaints from the aggrieved
- The report of grievance committee is forwarded to Principal for further action
- Corrective measures are taken and recorded in the register
- Complaints can be sent to <https://grievance.vjit.ac.in>

Grievance Redressal Committee for staff:		
1.	Dr. G. Sreeram Reddy	Convener
2.	Mrs. G.Srilatha	Member
3.	Mr. R.VenkataChalam	Member
4.	Dr. B.Sathyanarayana Reddy	Member
5.	Mr M Rajendra Prasad	Member

Grievances and Redressal committee for students & Parents:

Grievances and Redressal Committee is formed in order to keep the healthy working atmosphere and to uphold the dignity of the College by ensuring strife free atmosphere in the College to promote cordial relationship among students and between students and teachers. This Cell records the complaints given by the students /parents and solves their problems. Suggestion / complaint boxes have been installed at different places in the College campus. The person concerned can personally approach /write / e-mail to any member of the Cell.

Functions:

- A grievance Redressal committee is formed to look in to the complaints from the aggrieved.
- Suggestion/ Complaint Box are provided at Office of Principal for students to lodge their complaints/ suggestions.
- The report of grievance committee is forwarded to Principal for further action
- Corrective measures are taken and recorded in the register.
- Complaints can be sent to <https://grievance.vjit.ac.in>

Grievance Redressal Committee		
1.	Dr. B Vijaya Kumar HOD (CSE)	Convener
2.	Mrs. G.Srilatha, Academic Coordinator	Member
3.	Dr. Pallavi Badry HOD (CIVIL)	Member
4.	Dr. K. Vasanth HOD (ECE)	Member
5.	Dr. A. Srujana HOD (EEE)	Member
6.	Dr. G.Sreeram Reddy HOD (Mech)	Member
7.	Mr. B. Srinivasulu (IT)	Member
8.	Dr. P. Chakradhar, HOD (MBA)	Member

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9.	Mr M Rajendra Prasad HOD (H&S)	Member
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Women Grievance Redressal committee:

In view of the increasing number of girl students in the campus, Women Grievance Redressal Cell makes every effort to ensure that the girls feel safe and secure. The cell resolves common problems of girl students and also takes up individual cases of sexual harassment, if any. In this respect, it is punishable.

Functions:

- The committee will deal with the cases / complaints of sexual harassment and any other type of harassment of the female students, teaching and nonteaching women staff of the college
- The Cell shall process all the individual complaints and take suitable action there on in the manner and mode as per the college norms
- The Cell may form / review the guidelines / policy for redressal of the grievance as required from time to time, which may be in accordance with those issued by Supreme Court and Government Agencies If girl/woman are being harassed, this is what she can do: Keeping record of all incidents of women harassment

Women Grievance Committee		
1	Dr. Pallavi Badry HOD (CIVIL)	Convener
2	Mrs. G Srilatha, Academic Coordinator	Member
3	Dr. A. Srujana (EEE)	Member
4	Dr. D.Aruna Kumari (CSE)	Member
5	Mrs. T.Devi (IT)	Member
6	Mrs. J.Emeema (MECH)	Member
7	Mrs. K. Pavani (ECE)	Member
8	Mrs. Suneela Bharathi (MBA)	Member

Anti-ragging Committee:

The basic functions of the committee are:

- To create self confidence and congenial environment among the newly admitted students by conducting frequent interactive sessions to clear the doubts related to academic matters, social interaction and compatibility. The anti ragging committee provides a ragging free campus for newly admitted students to have a pleasant and fruitful academic stay in this college.

- Faculty is deputed at various locations inside the college campus to monitor the student activities. Faculty sees that no student groups are formed and if observed, the group is dispersed to avoid any nuisance. The punishment for ragging is displayed at various places to make the students aware of seriousness of the administration for preventing ragging.
- To conduct an enquiry and identify the culprits on receipt of complaint.
- Based on the first hand information and prime-facie evidence, the committee submits its report to the Principal for necessary disciplinary action. Severe punishment will be imposed on the accused, if proven.

S.No.	Member	Department	Position
1.	Dr. G. SreeramReddy	HOD, Mech	convener
2.	Dr. B Vijaya Kumar	HOD, CSE	Member
3.	Dr. Siddartha Ghosh	HOD, IT	Member
4.	Dr. K. Vasanth	HOD,ECE	Member
5.	Dr. A. Srujana	HOD,EEE	Member
6.	Dr. Pallavi Badry	HOD,Civil	Member
7.	Mr. Rajendra Prasad	HOD,H&S	Member
8.	Dr. J. Ramesh Babu	Physical Director	Member

10.1.4 Delegation of financial Powers (10)

Institution should explicitly mention financial powers delegated to the Principal, Heads of Departments and relevant in charges. Demonstrate the utilization of financial powers for each year of the assessment years

Institution has well defined mechanism to monitor effective and efficient use of available resources.

The lab in charges submits the proposals as per the lab requirement to the HOD. The HOD, after careful discussion submits the proposal in the prescribed format to the Director. The Director, in turn submits them to the BOG. The BOG after assessing the projected income for the academic year, allocates budget to each department depending on their requirements and priorities.

Name of the administrator	Financial Power
BOG	Above Rs50 lakhs
Finance Committee	Rs 5 lakhs to Rs 50 lakhs
Director	Rs 5,00,000/- lakhs
HOD's	Rs10,000/-

10.1.5 Transparency and availability of correct/Unambiguous information in public domain (5)**(Information on policies, rules, processes and dissemination of this information to stakeholders is to be made available on the website)**

- Dissemination and availability of Institute and programme specific information is made available on the website.

Transparency in Administration

- The file movement system is in operation and involves all senior functionaries in decision making.
- The decisions of Governing body as well as the academic bodies are circulated to the staff through proper channel.
- All Heads of the Department keep the staff informed about the administrative/academic decisions taken.

10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (30)**10.2.1 Adequacy of budget allocation (5)****(The institution needs to justify that the budget allocated during assessment years was adequate)**

Budget is allotted to each department towards up-gradation of laboratories, laboratory consumables and repair of laboratory equipment etc., internal adjustments are made as per the urgency, in specific cases. Each practical laboratory maintains its own record in the form of stock register which records the information related to new purchases, repairs etc. The allocated budget shall always adequate and the budget gets sanctioned based on the budget predictions given by the department for every academic year.

10.2.2 Utilization of allocated funds (15)

(The institution needs to state how the budget was utilized during assessment years)

Funds are allocated by BOG of the College. Department Heads are intimated about the funds allocated against their budget proposals. Actions for procurement of lab equipment, up-gradation of existing lab facilities, purchase of consumables etc. are initiated from the respective departments and the funds are released on proposal basis from the accounts office of the college on approval by the Secretary.

Major works like construction, up gradation of existing infrastructure, procurement and maintenance of common utilities, house-keeping, procurement of furniture etc. are controlled by the supervisors. During the last three years, the budget was utilized to meet expenses such as staff salaries, infrastructure development, purchase of equipment, expenses towards consumables and contingencies, travel etc. Every year almost 65% of the budget is spent on staff salaries, 10% on infrastructure development, about 10% on purchase of equipment, about 10 % on library development and the rest 5% on other expenses. This has been the general pattern of utilization of budget for the last 5 years.

The details of budget allocation, sanction and expenditure statement of last 3 years as shown in 10.2.

Summary of current financial year's budget and actual expenditure incurred (for the institution exclusively) in the three previous financial years:

CFY -- 2020 - 2021 (Current Financial Year)

CFY_{m1} -- 2019 –2020 (Current Financial Year Minus 1)

CFY_{m2} -- 2018 – 2019 (Current Financial Year Minus 2)

CFY_{m3} -- 2017 – 2018 (Current Financial Year Minus 3)

Table 1: CFY 2020-21

Total Income:42,93,88,151.00				Actual Expenditure:43,12,60,991.00			Total No. of Students: 4283
FEE	GOVT	GRANT(S)	OTHER SOURCES(Specify)	Recurring Including Salaries	Non-recurring	Special Projects / any other, specify	Expenditure per student
41,38,48,382.00	0	0	1,55,39,769.00	42,72,43,693.00	40,17,298.00	0	1,00,691.34

Table 2: CFYm1 2019-20

Total Income:42,82,50,292.00				Actual Expenditure: 43,01,57,934.00			Total No. of Students: 4058
FEE	GOVT	GRANT(S)	OTHER SOURCES(Specify)	Recurring Including Salaries	Non- recurring	Special Projects / any other, specify	Expenditure per student
38,88,45,653.00	0	0	3,94,04,639.00	42,82,40,433.00	19,17,500.00	0	1,06,002.44

Table 3: CFYm2 2018-2019

Total Income : 40,73,06,700.00				Actual Expenditure:40,88,28,485.00			Total No. of Students: 4118
FEE	GOVT	GRANT(S)	OTHER SOURCES(Specify)	Recurring Including Salaries	Non- recurring	Special Projects / any other, specify	Expenditure per student
37,61,36,941.00	0	0	3,11,69,759.00	40,23,22,432.00	65,06,053.00	0	99,278.41

Table 4: CFYm3 2017-2018

Total Income : 39,35,49,604				Actual Expenditure :39,67,36,362			Total No. of Students: 4085
FEE	GOVT	GRANT(S)	OTHER SOURCES(Specify)	Recurring Including Salaries	Non- recurring	Special Projects / any other, specify	Expenditure per student
36,60,18,785.00	0	0	2,75,30,819.00	39,27,69,179.00	39,67,183.00	0	97,120.28

Institute Consolidated Budget

Items	Budgeted in 2020-2021	Provisional Expenses 2020-2021	Budgeted in 2019-2020	Actual Expenses 2019-2020	Budgeted in 2018-2019	Actual expenses in 2018-2019	Budgeted in 2017-2018	Actual expenses in 2017-2018
Infrastructure Built-Up	5,00,00,000	3,95,05,631	6,50,00,000	5,92,65,452	6,00,00,000	5,64,03,408	6,00,00,000	5,97,19,460
Library	30,00,000	23,73,261	20,00,000	15,14,817	50,00,000	44,04,133	48,00,000	46,38,464
Laboratory equipment	45,00,000	40,17,298	20,00,000	19,17,500	70,00,000	65,06,053	43,00,000	39,67,183
Laboratory consumables	7,00,000	6,52,463	25,00,000	18,16,683	60,00,000	56,90,491	32,00,000	30,27,039
Teaching and non-teaching staff salary	28,00,00,000	27,54,30,747	28,00,00,000	27,40,52,813	23,00,00,000	22,79,35,997	25,00,00,000	24,86,15,013
Maintenance and spares	90,00,000	84,35,942	80,00,000	76,37,611	80,00,000	75,39,494	70,00,000	66,14,195
R&D	45,00,000	42,85,042	15,00,000	12,16,699	25,00,000	23,40,409	30,00,000	26,27,683
Training and Travel	25,00,000	22,51,040	70,00,000	68,17,001	60,00,000	56,01,580	40,00,000	34,52,750
Miscellaneous expenses	7,00,000	6,75,592	3,00,000	2,41,451	3,20,000	3,06,105	7,00,000	6,53,241
Others specify	9,55,00,000	9,36,33,975	8,00,00,000	7,56,77,907	9,50,00,000	9,21,00,815	6,50,00,000	6,34,21,334
Total	45,04,00,000	43,12,60,991	44,83,00,000	43,01,57,934	41,98,20,000	40,88,28,485	40,20,00,000	39,67,36,362

10.2.3 Availability of the audited statements on the institute's website (5)
(The institution needs to make audited statements available on its website)

CFY -- 2020 - 2021 Yes URL..... [www. vjit.ac.in](http://www.vjit.ac.in)
 CFYm1 -- 2019 –20 Yes URL..... [www. vjit.ac.in](http://www.vjit.ac.in)
 CFYm2 -- 2018 - 2019 Yes URL..... [www. vjit.ac.in](http://www.vjit.ac.in)
 CFYm3 -- 2017 – 2018 Yes URL..... [www. vjit.ac.in](http://www.vjit.ac.in)

10.3 Program Specific Budget Allocation, Utilization (30)

CFY -- 2020 - 2021 (Current Financial Year)

CFYm1 -- 2019 –20 (Current Financial Year Minus 1)

CFYm2 -- 2018 – 2019 (Current Financial Year Minus 2)

CFYm3 -- 2017 – 2018 (Current Financial Year Minus 3)

Table :1 For CFYm 2020-21

Total Budget	3400000	Actual Expenditure	3003853	No. of Students	Expenditure Per Student
Non recurring	Recurring	Non recurring	Recurring	765	3926.60
1500000	1900000	1327421	1676432		

Table :2 For CFYm1 2019-20

Total Budget	2810000	Actual Expenditure	2432123	No. of Students	Expenditure Per Student
Non recurring	Recurring	Non recurring	Recurring	722	3368.59
10000	2800000	3400	2428723		

Table :3 For CFYm2 2018-19

Total Budget	7415000	Actual Expenditure	6814297	No. of Students	Expenditure Per Student
Non recurring	Recurring	Non recurring	Recurring	704	9679.39
4000000	3415000	3567562	3246735		

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Table :4 For CFYm3 2017-18					
Total Budget	6080000	Actual Expenditure	5946169	No. of Students	Expenditure Per Student
Non recurring	Recurring	Non recurring	Recurring	692	8529.73
3000000	3080000	3063528	2882641		

Items	Budgeted in 2020-2021	Actual expenses in 2020-2021	Budgeted in 2019-2020	Actual expenses in 2019-2020	Budgeted in 2018-2019	Actual expenses in 2018-2019	Budgeted in 2017-2018	Actual expenses in 2017-2018
Laboratory equipment	1500000	1327421	10000	3400	4000000	3567562	3000000	3063528
Software	50000	-	100000	58800	600000	518105	700000	652167
Laboratory consumables	100000	92500	200000	136748	700000	646167	400000	417045
Maintenance and spares	50000	37500	100000	74336	115000	121939	80000	74587
R&D	500000	450000	100000	76254	200000	189756	100000	42508
Training and Travel	400000	385320	1500000	1363868	1000000	974930	1000000	965778
Miscellaneous expenses	800000	711112	800000	718717	800000	795838	800000	730556
Total	3400000	3003853	2810000	2432123	7415000	6814297	6080000	5946169

10.3.1 Adequacy of budget allocation (10)

(Program needs to justify that the budget allocated over the assessment years was adequate for the program)

The budgetary estimates are prepared at the department level by the HOD in consultation with the Lab Heads and other senior faculty. The vision and mission of the institute and the department is always taken into consideration while preparing such budgetary estimates. The estimates are compiled and forwarded to the director and placed before the Governing body for consideration and approval. The budgetary allocations are found to be adequate as the allocations

are primarily based on the requirements forwarded by the department. Every year a portion of the budget is set apart for the service and maintenance of laboratories. The budget contains a component which is being utilized for the development of staff.

10.3.2 Utilization of allocated funds (20)

(Program needs to state how the budget was utilized during the last three assessment years)

The allocated budget is utilized for establishing new laboratories with the high configuration. Every year a portion of the budget is set apart for the service and maintenance of laboratories. The budget contains a component which is being utilized for the development of faculty programmes including summer vocational activities for students and staff.

10.4 Library and Internet (20)

Institute Marks 20.00

10.4.1 Quality of learning resources (hard/soft) (10)

(Indicate whether zero deficiency report was received by the Institution for all the assessment years. Effective availability/ purchase records and utilization of facilities/ equipment etc. to be documented and demonstrated)

Allocated budget for library is sufficient and utilized properly for purchasing new books, magazines and establishing digital library with digital journals.

Number of library technical staff: 6

Number of library staff with degree in Library Management: 5

Computerization for search, indexing, issue/ return records - Yes

Bar-coding used -Yes

Library services on Internet/ Intranet INDEST or other similar membership Archives:

Library services on internet / intranet - Yes

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INFLIBNET N-LIST, NDL or other similar membership - Yes
Archives- 1665

Number of titles: **7005** number of volumes: **53374**

Year	Number of New Titles added	Number of New edition added	Number of New Volumes added
2020-2021	137	120	2076
2019-2020	299	132	2037
2018-2019	366	263	6790
2017-2018	269	169	7141
2016-2017	727	235	4276

Library expenditure on books, magazines / journals, and miscellaneous contents expenditures in Rs:

Year	Books	Magazine/Journals(for hard copy subscription)	Magazine/Journals(for soft copy subscription)	Misc. contents
2020 - 2021	6,64,144	4,94,204	11,75,300	13,386
2019-2020	3,00,000	-	11,32,007	82,810
2018-2019	32,05,786	1,97,473	9,50,978	49,896
2017-2018	33,13,356	1,88,456	9,26,976	2,09,676
2016-2017	20,83,197	1,82,800	8,91,125	38,229

- Relevance of available learning resources including e-resources – Yes
- INFLIBNET N-LIST, NDL, NPTEL, DELNET, IEEE, ASCE& ASME.
- EBSCO E-Books
- IUCEE Webinar series

Support to students for self-learning activities

Accessibility to Students: All the learning resources available in the library are accessible to users.

Year	No. of Technical Magazines/Periodicals	No. of Total Technical Journals subscribed	
		In Hard copy	In Soft Copy
2020 - 2021	20	131	1100
2019-2020	-	-	1100
2018-2019	20	81	957
2017-2018	20	81	980
2016-2017	29	126	940

Digital Library Information:

No. of Terminals	:	35
Server	:	Two
Internet Band width	:	40 MBpS
Number of e-Books	:	6,225 EBSCO, INFLIBNET, N-LIST and Delnet
Online video lectures	:	NPTEL for all courses (support to students for self-learning)
Number of users per day	:	250 – 300
Accessibility to students	:	9AM to 6 PM

10.4.2 Internet (10)**Institute Marks 10.00**

Name of the Internet provider	Apollo Online Solutions , Pioneer Internet Services
Available band width	600 MBpS
WiFi availability	Yes, Cisco Router, D-Link
Internet access in labs, classrooms, library and offices of all Departments	Yes , 24hrs
Security arrangements	Yes, Quick Heal

Annexure I

(A) PROGRAM OUTCOME (Pos)

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

(B) PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	The ability to design and develop Algorithms to provide optimized solutions for societal needs
PSO2	Apply standard approaches and practices in Software Project Development through trending technologies


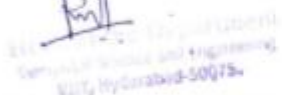


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Declaration

The head of the institution needs to make a declaration as per the format given

- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines in force as on date and the institute shall fully abide by them.
- It is submitted that information provided in this Self-Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute will be initiated by the NBA, in case any false statement/information is observed during pre-visit, visit, post visit and subsequent to grant of accreditation.

Head of the Department Name: Dr. B.Vijayakumar Designation: Professor & HOD-CSE Signature:  	Head of the Institute Name: Dr. A. Padmaja Designation: Principal Signature:   Seal of the Institution:
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Place: Hyderabad

Date: 21/02/2022

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