

**SELF ASSESSMENT REPORT (SAR)
FOR ACCREDITATION OF UG ENGINEERING
PROGRAMME
(Information Technology)
(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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VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

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February 2021

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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
Information Technology	UG	2000	2000	60	Yes	180	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						180					
2019-2020						180					
2018-2019						60					
2017-2018						60					
2016-2017						60					
2015-2016						60					
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

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

S.No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Information Technology
2	Under Graduate	Engineering & Technology	Electronic and Communications Engineering

3	Under Graduate	Engineering & Technology	Mechanical Engineering
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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 : Mr.B.Srinivasulu

Designation : Associate Professor

Mobile No : 9866487922

Email id : srinu@vjit.ac.in

PART B: Criteria Summary

Criteria No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	60	60.00
2	PROGRAM CURRICULUM AND TEACHING – LEARNING PROCESSES	120	120.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	120	120.00
4	STUDENTS PERFORMANCE	150	109.69
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	173.09
6	FACILITIES AND TECHNICAL SUPPORT	80	80.00
7	CONTINUOUS IMPROVEMENT	50	50.00
8	FIRST YEAR ACADEMICS	50	45.38
9	STUDENT SUPPORT SYSTEMS	50	50.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	120.00
Total		1000	928.16



Vidya Jyothi Institute of Technology

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CRITERION1	Vision, Mission and Program Educational Objectives	50
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1.1. State the Vision and Mission of the Department and Institution (5)

Vision of the Institute	<ul style="list-style-type: none">• 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 of the Institute	<ul style="list-style-type: none">• To create state-of-the-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.
Vision of the Department	<ul style="list-style-type: none">• To be a centre of excellence in the field of Information Technology through multidisciplinary learning that promotes globally competent professionals.
Mission of the Department	<p>M1: To empower students in developing systems and innovative products for solving real time problems.</p> <p>M2: To achieve academic excellence and promote research by imparting knowledge in emerging technologies.</p>



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

PEOs of the Department

1. **Core Capabilities / Competence:** Impart profound knowledge in humanities and basic sciences along with core engineering concepts for practical understanding and project development.
2. **Career Advancement:** Enrich analytical and industry based technical skills through ICT for accomplishing research, higher education and entrepreneurship.
3. **Life-Long Learning:** Infuse life-long learning, professional ethics, adaptation to innovation and effective communication skills with a sense of social awareness

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

(Describe where (websites, curricula, posters, etc.) the Vision, Mission and PEOs are published and detail the process which ensures awareness among internal and external stakeholders with effective process implementation)

(Internal stakeholders may include Management, Governing Board Members, faculty, support staff, students etc. and external stakeholders may include employers, industry, alumni, funding agencies, etc.)

The Vision, Mission and PEOs are published and disseminated at

- Website <https://vjit.ac.in/it>
- News Letters
- Published in Syllabus books
- Displayed in the Department Library.
- Displayed in HoD Chamber, Staff Rooms & Class Rooms
- Displayed in Department Laboratories
- Displayed in Corridors of the Department
- Department Notice boards



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Process followed for publicity and awareness

The stake holders are students, alumni, employers, academicians and industry experts. The dissemination and awareness is given to them in the following ways.

For Students: The dissemination is through boards in each of the class room, laboratories, prominent locations of the department, syllabus books, lab manuals, news letter, through college website and email correspondence. Awareness programs like orientation sessions are conducted.

For Parents: The dissemination is through orientation programs with faculty of the department, during the department level meetings, college website and email correspondence.

For Faculty: The Dissemination is through awareness programs, department meetings, and college website and email correspondence.

For Alumni: The Dissemination is through Alumni Survey Form given during the Annual Alumni Meet, college website and email Correspondence.

For Employer: The Dissemination is through the Employers Survey form given to them during placements, during Department level meetings (BOS, IIC Cell, and DAB), college website and email Correspondence.

Internal Stake Holders	External Stake Holders
<ul style="list-style-type: none">• Students' Awareness Programs• Staff Awareness Program• Curriculum/Syllabus Books• Course Files• Lab Manuals• Notice boards, Corridors, Staff rooms, Class rooms & Laboratories	<ul style="list-style-type: none">• College website• News Letters• Communicating through E-mails• Alumni meet• Parents' meeting• Social Networks



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Figure 1.3(a): Dissemination in Laboratories



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Figure 1.3(b): Dissemination in corridors

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

(Articulate the process involved in defining the Vision and Mission of the department and PEOs of the program.)

Process for defining Vision & Mission of the Department

The Department Advisory Board (DAB) prepares the Vision and Mission of the department in accordance with Institution Vision and Mission through the following steps:

Step 1: The Department Advisory Board is composed of the head of the department, senior faculty members, alumni, industrial representative, parents and students.



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Step 2: The chairman of the Department Advisory Board collects the feedbacks/inputs from stakeholders and discuss with the board members to define the department Vision and Mission.

Step 3: After defining Vision and Mission of the department, the same is communicated to Internal Quality Assurance Cell (IQAC) for review and approval.

Step 4: In case of any modifications required, the IQAC will suggest the Department Advisory Board to improve and modify the department Vision and Mission or approve the same

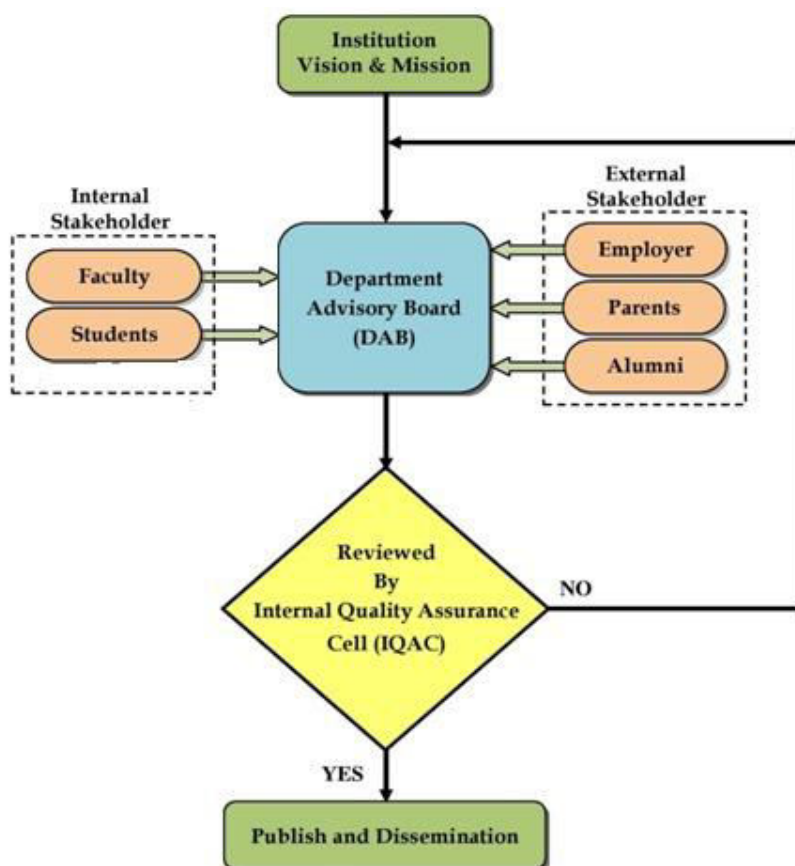


Figure 1.4(a): Process for defining Vision and Mission of the Department



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Process for defining the PEOs of the Department

After getting suggestions from the stakeholders, the Department Advisory Board (DAB) develops the PEOs by considering the vision and mission of the department as reference.

Step 1: The DAB develops PEOs based on the inputs from all stakeholders and evaluates it by mapping the Course Outcomes (COs) with Program Outcomes (POs) & Program Specific Outcomes (PSOs) .

Step 2: The Internal Quality Assurance Cell (IQAC) will review and approve PEOs.

Step 3: Finally the approved PEOs is published and disseminated.

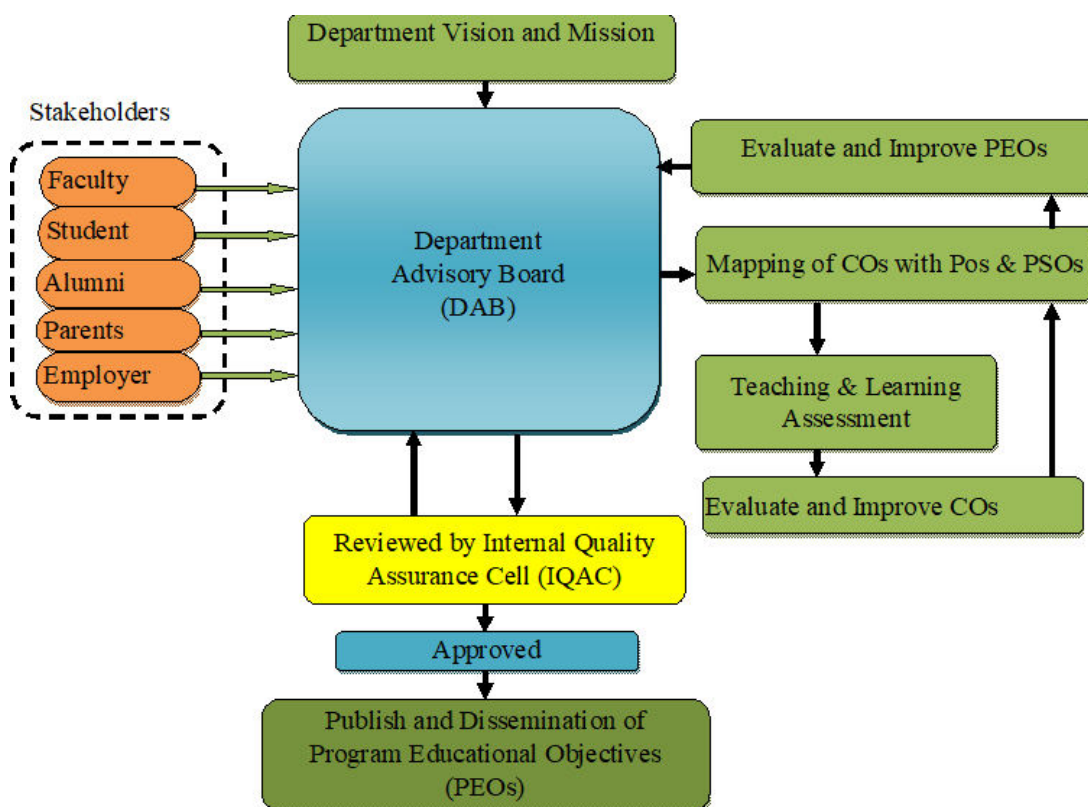


Figure 1.4(b): Process for defining PEOs of the Department

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

(Generate a “Mission of the Department PEOs matrix” with justification and rationale of the



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mapping)

Mapping of PEOs and Mission

PEO statements	M1	M2
PEO1	3	3
PEO2	3	3
PEO3	3	3

PEOs	Justification
PEO1	To accomplish PEO1, <ul style="list-style-type: none">• Impart students with profound knowledge in computer based technologies to develop innovative products.• Through effective teaching learning process students are encouraged to solve complex real time applications.
PEO2	To accomplish PEO 2, <ul style="list-style-type: none">• Enrich students in analytical skills and Industry-based modern technical skills in core and inter disciplinary areas.• Impart students with transferrable and life skills along with professional knowledge to produce global professionals.
PEO3	To accomplish PEO 3 <ul style="list-style-type: none">• Inculcate professional ethics along with in depth knowledge in computer based technologies with social sense• Innovative and research oriented learning process is inculcated to motivate lifelong learning system.



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2. Program Curriculum and Teaching-Learning Process (100)

2.1 Program Curriculum (30)

2.1.1 State the Process for designing program Curriculum

- The B.Tech Information Technology program curriculum is approved by the Board of Studies and also follows the Model Curriculum prescribed by AICTE.
- Department of Information Technology follows a systematic process in the design and development of the curriculum, which involves high level of participation, discussion and critical inquiry involving all the stakeholders contributing to the introduction, innovation, and revision of the syllabus.
- The syllabus is designed to provide a comprehensive coverage of the subject with emphasis on fundamentals as well as applied aspects. Periodic changes are made based on societal needs that provide a thrust for national development. Current trends in the job market are also considered while developing the syllabus.
- Department of Information Technology has a Program Assessment Committee (PAC), which consists of senior faculty members of the department. Department Advisory Board (DAB) consists of the HOD, academic peers; experts from industry, students, alumni and parents are involved in the initiation, review and design of the curriculum. Syllabi is framed by senior faculty in the department as per discussions in PAC and submitted to DAB followed by **BOS** for approval.
- Department of Information Technology has its own Board of Studies (BOS), which is a statutory body. Members of BOS – Chairman, Affiliated University Nominee, Industry representatives, academicians from reputed organizations and senior faculty members in the department. Regular BOS meetings are conducted to scrutinize the curriculum and to provide suggestions for improving the quality of the curriculum as well as the syllabi.
- After elaborate discussion on the content and organization of the syllabus in the respective Board of Studies, it will be placed before the Academic Council for deliberations and approval. Suggestions from the members of the Academic Council are well received and will incorporate in the subsequent curriculum



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development exercised by the Board of Studies.

The curriculum is designed maintaining a balance in the composition of Basic Science Courses, Engineering Science, Humanities and Social Sciences, Program Core, Discipline Specific Electives, Generic Elective, Skill Enhancement Elective, Basic Life Skills and Project Work. The feedback from the internal stake holders (Students, Faculty) and external Stake holders (Industry experts, alumni, Parents, and with the other reputed universities) have been received/ has been taken to further uptrend/elevate the curriculum to match industry requirements. The following is the process used to identify the extent of compliance of curriculum for attaining the POs, PSOs and PEOs.

- Identify Course Outcomes for each subject.
- Map Course Outcomes with POs and PSOs.

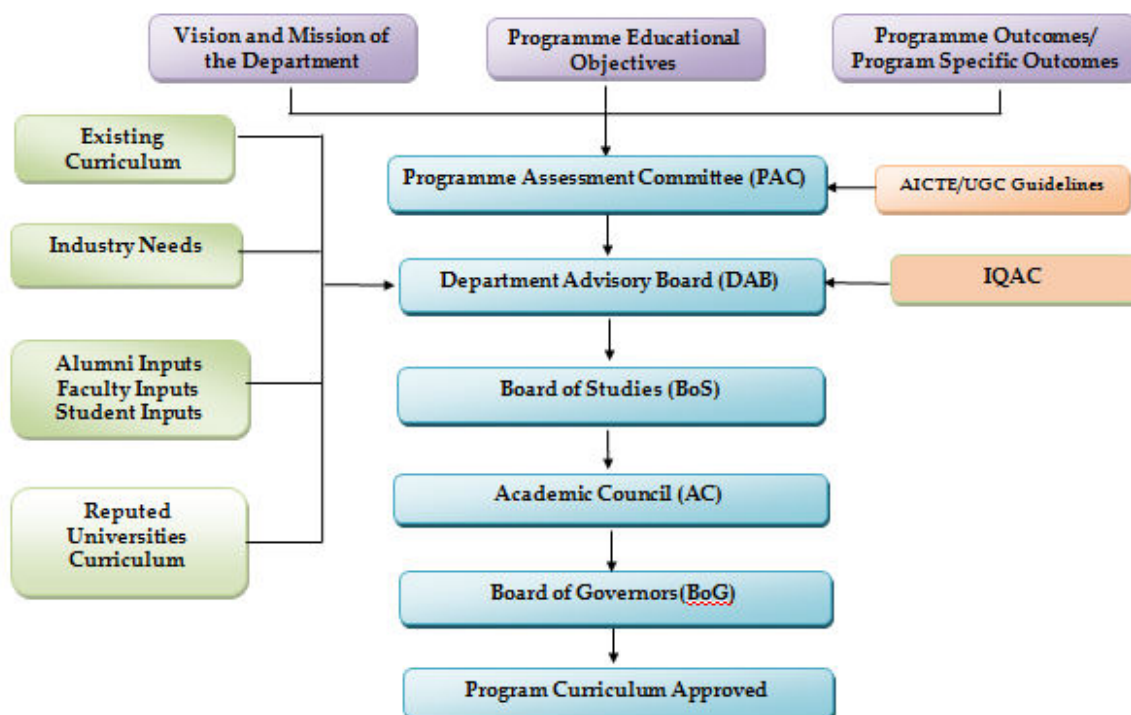


Figure 2.1.1 Curriculum Design and Development Process

The key functional Committees in implementing the Curriculum and reviewing of Course/Program Outcomes and the assessment process:



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• Program Assessment Committee (PAC)

The Program Assessment Committee (PAC) is formed with Program Coordinator and Course Coordinators. This Committee will be headed by a Program Coordinator.

Responsibilities of PAC

- Assesses the attainment of Program Outcomes, Program Specific Outcomes.
- Initiates the actions in improving the attainment of POs/PSOs.
- The attainment report of POs and PSOs with improvement recommendations will be sent to DAB.
- The PAC meeting will be conducted once in a Semester.
- (The PAC meets once a semester to review attainments and set future targets)

➤ Department Advisory Board (DAB)

The DAB committee is headed by Head of the Department; the members are Senior Faculty in the Department, Industry expert, Student, Alumni and parent. The DAB will discuss issues identified by the Course Coordinator through PAC, to correlate the POs/PSOs.

Responsibilities of DAB

- The committee reviews the assessment process, tools and results of evaluation of POs and PSOs.
- DAB will resolve the issues related to the attainment of Program Outcomes and Program Specific Outcomes.
- The committee will analyze the reasons for the gap between expected and attained levels for each PO/PSO and gives directions, as how to bridge the gap and/or redefine.

Responsibilities of Program Coordinator

- Collects the Course Assessment Report
- Analyzes the Course Outcomes attainment
- Verifies the attainment of Program Outcomes (POs) and Program Specific Outcomes(PSOs)

Responsibilities of Course Coordinators

- Reviewing Course Curriculum
- Designing Course Outcomes
- Designing Course Delivery Mechanisms



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- Finalizing the Course Assessment Tools
- Assessing the Course Outcomes and calculating the attainment

2.1.2 Structure of the Curriculum

COURSE STRUCTURE (R15)

I YEAR I SEMESTER

Subject Code	Subject Name	L	T	P/D	Total Credits
A11001	English-I	2	0	0	2
A11002	Mathematics - I	4	1	0	3
A11003	Engineering Physics - I	3	1	0	3
A11502	C Programming - I	3	1	0	3
A11004	Engineering Chemistry	3	1	0	3
A11303	Engineering Graphics	2	0	3	3
A11081	English Language Communication Skills Lab - I	0	0	3	2
A11582	C Programming Lab- I	0	0	3	2
A11083	Engineering Physics and Chemistry Lab	0	0	3	2
A11583	IT Workshop	0	0	3	2
TOTAL CREDITS					25

I YEAR II SEMESTER

Subject Code	Subject Name	L	T	P/D	Total Credits
A12005	English-II	2	0	0	2
A12006	Mathematics – II	4	1	0	3
A12007	Engineering Physics-II	3	1	0	3
A12503	C Programming – II	3	1	0	3
A12009	Mathematics – III	3	1	0	3
A12203	Basic Electrical Engineering	3	1	0	3
A12085	English Language Communication Skills Lab – II	0	0	3	2
A12584	C Programming Lab – II	0	0	3	2
A12382	Engineering Workshop	0	0	3	2
TOTAL CREDITS					23



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II YEAR I SEMESTER

Subject Code	Subject Name	L	T	P/D	Total Credits
A13014	Probability & Statistics	3	1	0	3
A13504	Mathematical Foundations of Computer Science	3	1	0	3
A13505	Data Structures	4	1	0	4
A13406	Digital Logic Design	3	1	0	3
A13506	Object Oriented Programming	4	1	0	4
A13401	Electronic Devices & Circuits	3	1	0	3
A13585	Data Structures Lab	0	0	3	2
A13483	Electronic Devices & Circuits and Digital Logic Design Lab	0	0	3	2
A13MC3	Professional Communication	2	0	0	-
TOTAL CREDITS					24

II YEAR II SEMESTER

Subject Code	Subject Name	L	T	P/D	Total Credits
A14507	Design and Analysis of Algorithms	4	1	0	4
A14508	Computer Organization	3	1	0	3
A14509	Database Management Systems	3	1	0	4
A14510	Software Engineering	3	1	0	3
A14511	Java Programming	3	1	0	4
A14016	Environmental Science	2	1	0	2
A14586	Java Programming Lab	0	0	3	2
A14587	Database Management Systems lab	0	0	3	2
A14MC4	Professional Ethics Human Values and Self Development	2	0	0	-
TOTAL CREDITS					24



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DEPARTMENT OF INFORMATION TECHNOLOGY

III YEAR I SEMESTER

Subject Code	Subject Name	L	T	P	Total Credits
A15512	Linux Programming	3	1	0	3
A15513	Computer Networks	3	1	0	3
A15514	Operating Systems	3	1	0	3
A15516	Cloud Computing	3	1	0	3
A15517 A15518 A15519	Professional Elective-I 1. Principles of Programming Languages 2. Human Computer Interaction 3. Software Project Management	3	1	0	3
A15520 A15521	Open Elective – I 1. Java Programming 2. Operating Systems	3	1	0	3
A15588	Operating Systems & Computer Networks lab through LINUX	0	0	3	2
A15089	Advanced Communication Skills Lab	0	0	3	2
A15TP2	Quantitative Methods & Logical Reasoning	2	1	0	2
TOTAL CREDITS					24

III YEAR II SEMESTER

Subject Code	Subject Name	L	T	P	Total Credits
A16522	Web Technologies	3	1	0	3
A16524	Automata & Compiler Design	3	1	0	3
A16525	Data Warehousing & Data Mining	3	1	0	3
A16018	Managerial Economics & Financial Analysis	3	1	0	3
A16526 A16527 A16528	Professional Elective-II 1. Object Oriented Analysis & Design 2. Distributed Systems 3. Information Retrieval Systems	3	1	0	3
A16529 A16530	Open Elective – II 1. Database Management System 2. Software Engineering	3	1	0	3
A16591	Web Technologies Lab	0	0	3	2
A16592	Data Mining & Case Tools Lab	0	0	3	2
A16TP1	Personality Development & Behavioral Skills	2	1	0	2
TOTAL CREDITS					24



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Department of Information Technology

IV YEAR I SEMESTER

Subject Code	Subject Name	L	T	P	Total Credits
A17531	Mobile Application Development	3	1	0	3
A17532	Information Security	3	1	0	3
A17534	Software Testing Methodologies	3	1	0	3
A17535 A17537 A17536	Professional Electives-III 1.Big Data Analysis 2.Image Processing 3.Internet Of Things	3	1	0	3
A17538 A17539 A17540	Professional Electives-IV 1.Advanced Databases 2.Storage Area Networks 3.Computer Graphics	3	1	0	3
A17541 A17542	Open Electives-III 1. Information System For Engineers 2.Web Design	3	1	0	3
A17593	Mobile Application Development Lab	0	0	3	2
A17594 A17595 A17596	Professional Elective Lab 1. Hadoop& Big data Lab 2. Internet Of ThingsLab 3. Image Processing With SCI Lab	0	0	3	2
A175P1	Mini Project	0	0	0	2
TOTAL CREDITS					24

IV YEAR II SEMESTER

Subject Code	Subject Name	L	T	P	Total Credits
A18543	Design Patterns	3	1	0	3
A18544	E-Commerce	3	1	0	3
A18545	Semantic Web and Social Networks	3	1	0	3
A185TS	Technical Seminar	0	0	6	2
A185CV	Comprehensive Viva-Voce	0	0	0	2
A185P2	Major Project	0	0	15	11
TOTAL CREDITS					24

L– Lecture

T – Tutorial

P– Practical

D –Drawing



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Department of Information Technology

2.1.3 State the Components of the Curriculum

The curriculum offered at the Department of Information Technology, is set in line with the AICTE guidelines, comprising of the courses from Basic Sciences, Engineering Sciences, Humanities and Sciences, Professional Core Courses, Electives from various specializations, Management papers, Mini and Major Projects and Internships. The courses offered in the 8 semesters, spread over 4 years have been classified into 8 categories under Credit Based Choice System (CBCS) which are shown in the below Table 2.1.3.

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	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	81
Professional Elective (PE) Subjects. The students opt electives offered by the department	7.29	17	14
Open Elective (OE) Subjects. Courses offered by the other branches representing technically important subjects from emerging areas.	4.69	12	9
Project Work	6.77	15	13
Seminar and Comprehensive Viva	2.08	6	4
Mandatory Courses (MC)/Value added courses	-	4	0
Total No. of Credits			192

Table 2.1.3 Components of the curriculum (R15)



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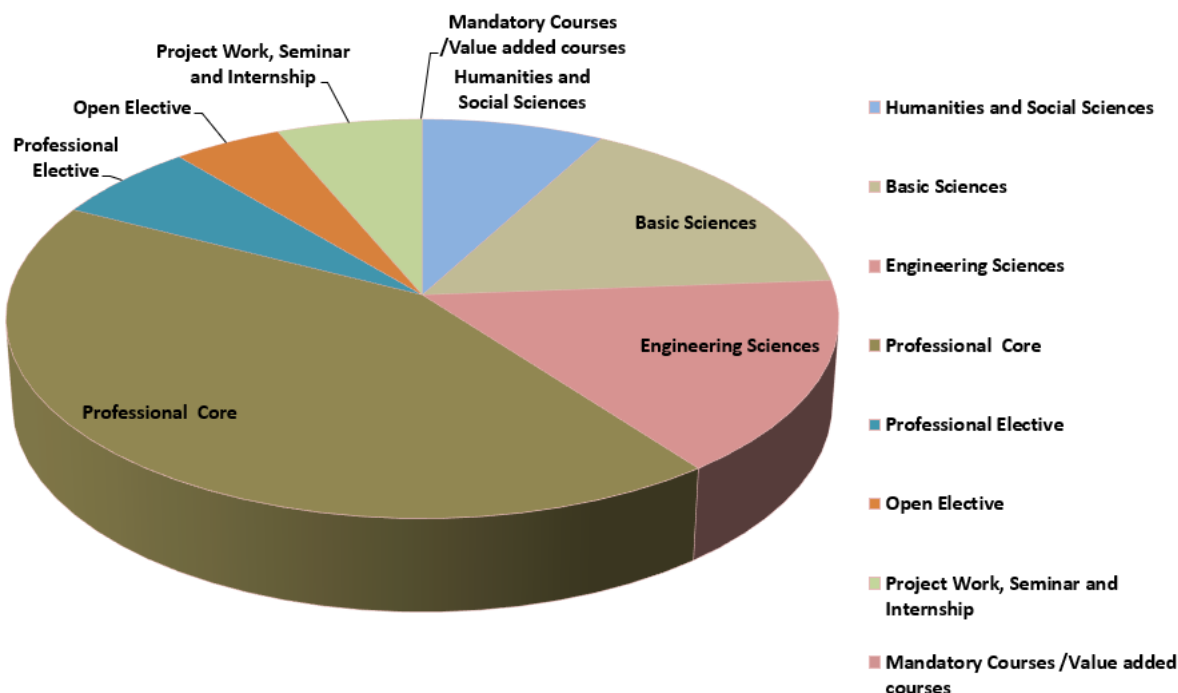


Figure 2.1.3 Components of the curriculum (R15)

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 including Management courses	6.25	14	11
Basic Sciences Course	13.75	25	24
Engineering Sciences Course including Workshop, Drawing, and basics of Electrical / Electronics/ Mechanical/Computer engineering etc	13.75	29	22
Professional Core (PC) Subjects, Courses dealing with the concerned engineering branch	40.63	72	64
Professional Elective (PE) Subjects. The students opt electives offered by the department	8.13	14	13
Open Elective (OE) Subjects. Courses offered by the other braches representing technically important subjects from emerging areas.	5.62	9	09
Project Work, Seminar and internship in industry or appropriate work place/ academic and research institutions in India/abroad	10.62	34	17
Mandatory Courses (Environmental Sciences, Induction Program, Indian Constitution, Essence of Indian Traditional Knowledge)	NIL	4	NIL
Total No. of Credits			160

Table 2.1.4 Components of the curriculum (R18)



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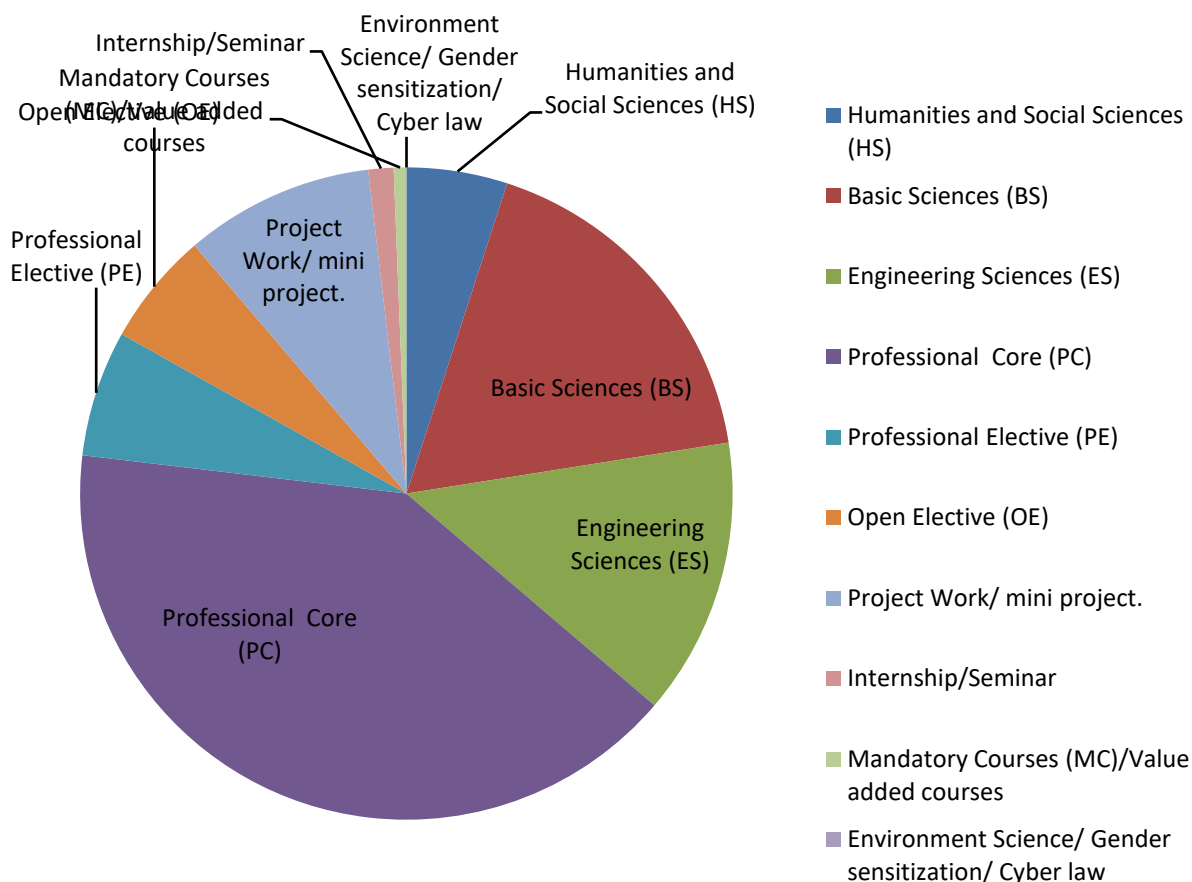


Figure 2.1.4 Components of the curriculum (R18)

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 of Information Technology program is designed with the members of Board of Studies who are drawn from the academic institutes, Industry and a nominee of JNTU, Hyderabad. The curriculum maintains a balance in the composition of Basic Sciences, Humanities, Engineering Sciences, Professional core and open elective courses.



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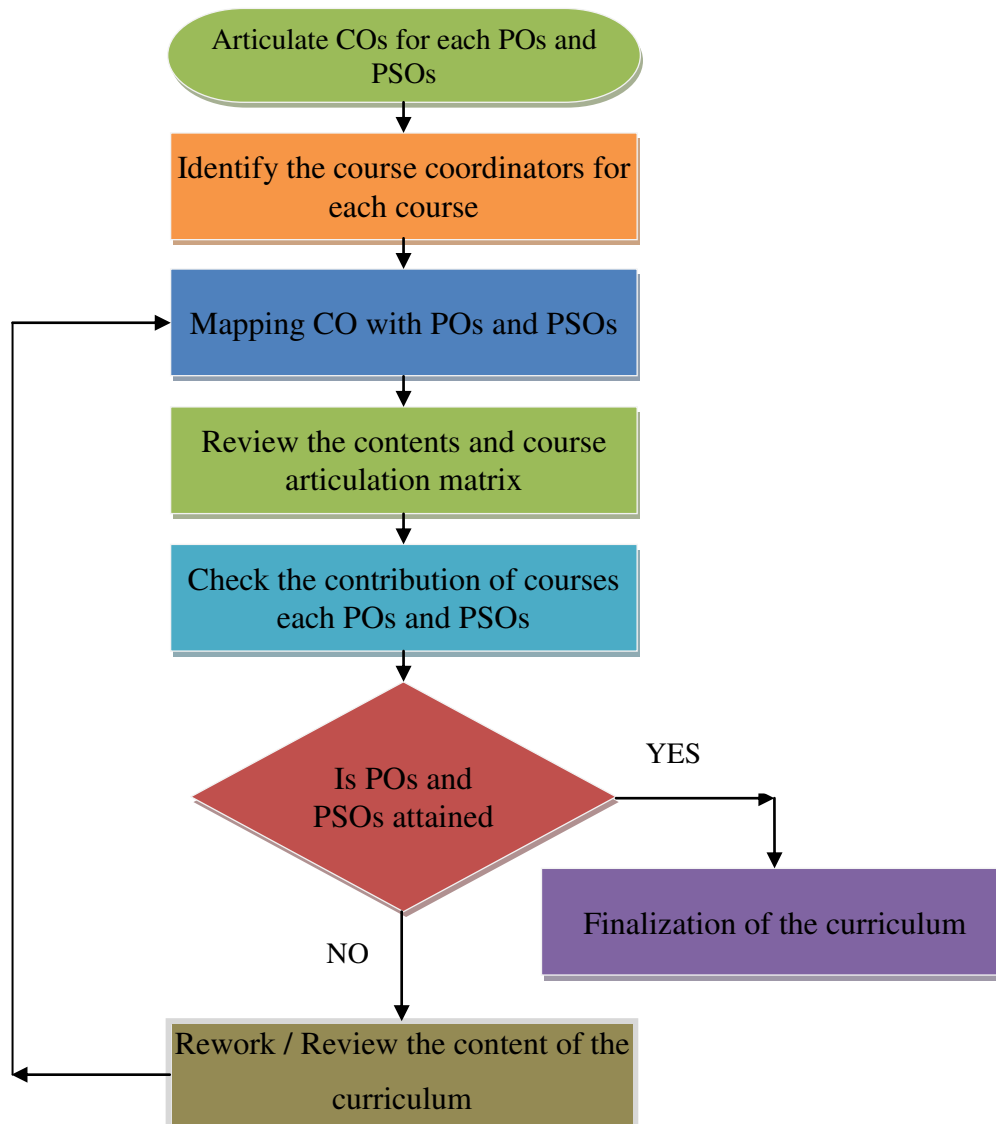


Figure 2.1.4 Process to identify extend of Compliance of the curriculum for attaining the Program Outcomes and Program Specific Outcome

The curriculum in the first two years enables the students to attain PO1 to PO5 program outcomes. These POs speak about fundamentals, ability to identify, analyze, investigate and subsequently find solutions to the complex problems. PO6 to PO8 are dealt by the courses in the pre-final and final year of the UG program.

The curriculum includes the courses like:

- Basic Sciences
- Engineering Sciences
- Humanities and Social Sciences



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- Program Core
- Program Electives
- Open Electives
- Project(s)
- Internships/Seminars
- Mandatory course

All the above courses enable to attain the program outcome PO6 to PO8 by the student. The program is designed to have the ability to work independently/teams through Projects and Technical Seminars to attain the program outcomes PO9 to PO12.

The PSO1 and PSO2 attainment is harnessed through courses on professional core and electives such that the students could manifest in an efficient manner on specific domains. The curriculum is structured with lectures, tutorials and practical's so that the student is in a position to comprehend each of the topic of the courses more clearly, consequently resulting in the attainment of all the POs and PSOs. To inculcate the habit of lifelong learning and also to attain PO12 the industry internships and industrial visits are also practiced without any formal course curriculum.

List of Program Outcomes (POs):

PO1	Engineering Knowledge: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
PO2	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.
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 complex engineering activities with an understanding of the limitations.



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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, being 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 and 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 in the broadest context of technological change.

Table 2.1.4 (a) Program Outcomes

List of Program Specific Outcomes (PSOs)

PSO1	Enhanced ability in applying mathematical abstraction and algorithmic design along with programming tools to solve complexities involved in efficient programming.
PSO 2	Develop effective software skills and documentation ability for graduates to become Employable/ Higher Studies/ Entrepreneur Researcher.

Table 2.1.4 (b) Program Specific Outcomes

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.



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- 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 attainments are calculated.
- The courses that are highly correlated with each of the POs and PSOs are shown in table 2.1.4 (c).

PO/PSO	Course mapped significantly
PO1	A11502,A11004,A11303,A11081,A11582,A11083,A12503,A12009,A12203,A12382,A13014,A13504,A13505,A13406,A13506,A13585,A13483,A13503,A14508,A14509,A14510,A14511,A14016,A14586,A14587,A15512,A15514,A15516,A15517,A15588,A16522,A16524,A16525,A16591,A16592,A16TP1,A17531,A17532,A17534,A17538,A17593,A17594,A175P1,A18543,A18545,A185TS,A185CV,A185P2
PO2	A11002,A11502,A11303,A11081,A11582,A11083,A12503,A12203,A13014,A13504,A13505,A13506,A13585,A14507,A14508,A14509,A14511,A14016,A14586,A14587,A15512,A15513,A15516,A15517,A15588,A16522,A16525,A16526,A16591,A16592,A16TP1,A17531,A17532,A17593,A17594,A175P1,A185TS,A185CV,A185P2
PO3	A11502,A11303,A11582,A12503,A12203,A13504,A13505,A13506,A13585,A14507,A14508,A14509,A14511,A14016,A14586,A14587,A15512,A15513,A15517,A15588,A16522,A16525,A16018,A16526,A16591,A16592,A17594
PO4	A11303,A11582,A12503,A13504,A13505,A13585,A13483,A14507,A14511,A14016,A14587,A15513,A15588,A16522,A16525,A16526,A16592,A17534,A17594,A175P1
PO5	A11001,A13505,A13585,A13483,A14511,A14016,A14586,A14587,A15513,A15588,A16522,A16525,A16526,A16591,A16592,A17534,A17593,A17594,A175P1
P06	A13MC3,A15588,A16592,A17594
P07	A17594
PO8	A11001,A11081,A14NC4,A185TS,A185CV,A185P2
PO9	A14507,A14509,A14511,A14587,A17594,A175P1,A185P2
PO10	A11303,A11081,A12085,A13483,A14507,A14509,A14510,A15TP2,A16526,A17594,A175P1,A185TS,A185CV,A185P2
PO11	A13585,A13483,A14511,A14586,A14587,A16522,A16081,A17534,A175P1
PO12	A11001,A11502,A11081,A11582,A11583,A12005,A12085,A13504,A13585,A14507,A14510,A14511,A16526,A17594

Table 2.1.4 (c) POs Vs Courses Mapped with High Correlation



Department of Information Technology

2.2 Teaching-Learning Process (70)

2.2.1 Describe the processes followed to improve quality of Teaching & Learning (15)

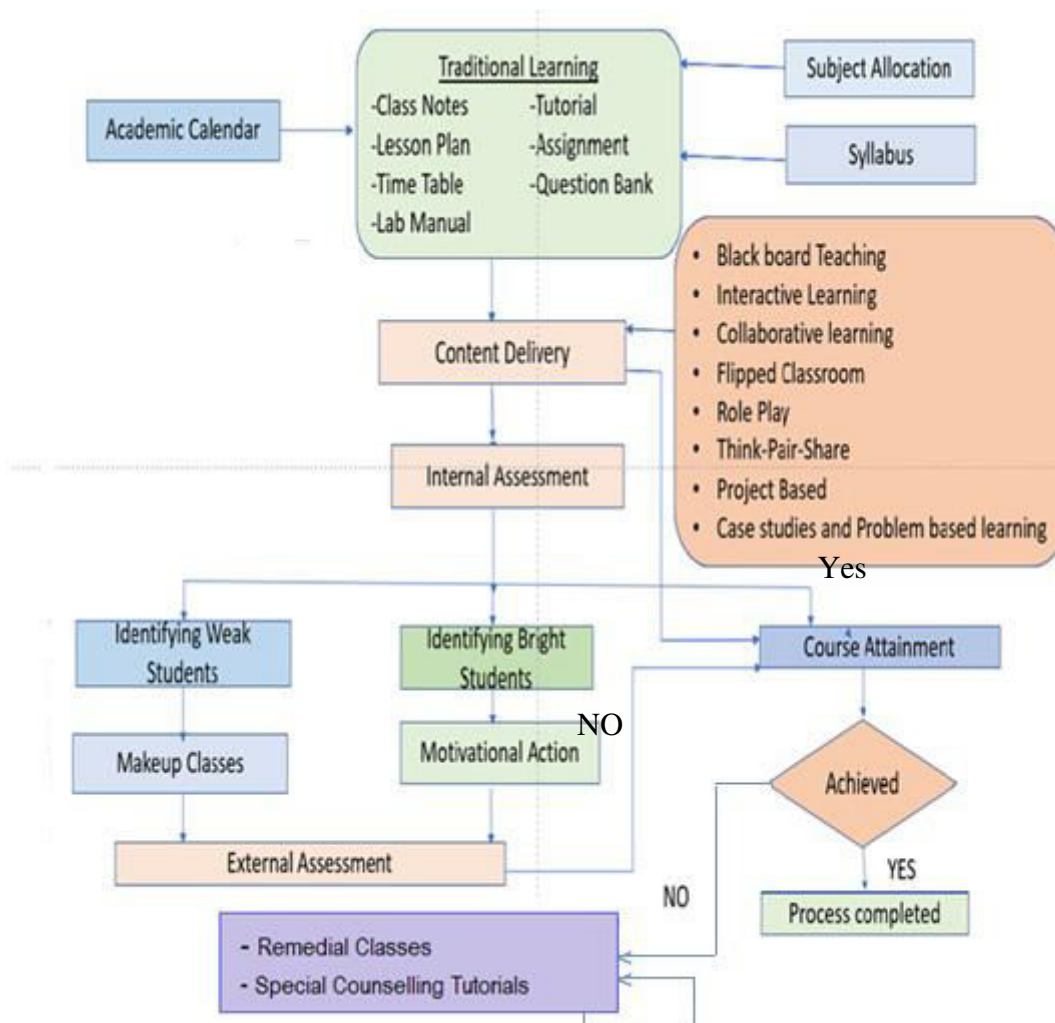


Figure 2.2.1 Teaching Learning Process

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

The following procedures are implemented in the department.

- Adherence to Academic Calendar
- Use of various Instructional Methods & Pedagogical Initiatives
- Methodologies to support weak students & encourage bright students.



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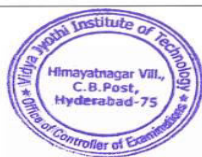
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- D. Quality of Classroom Teaching
- E. Conduct of Experiments:
- F. Continuous Assessment in Laboratories
- G. Student Feedback on Teaching Learning Process.

A. Adherence to Academic Calendar: As per the academic calendar schedule issued by the Institute, the department strictly follows the academic calendar for I and II semesters of all 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 Revised 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	19.10.2019	2 WEEKS
II Spell of Instruction Continuation	21.10.2019	26.10.2019	1 WEEK
II Mid Examinations	28.10.2019	31.10.2019	4 DAYS
Practical Examinations	01.11.2019	03.11.2019	3 DAYS
End Semester Examinations	04.11.2019	20.11.2019	2 WEEKS 3 DAYS
Betterment Examinations	21.11.2019	23.11.2019	3 DAYS
Supplementary Examinations	25.11.2019	07.12.2019	2 WEEKS
II/III/IV YEAR II SEMESTER		Commencement of Class Work 09.12.2019	
I Spell of Instruction	09.12.2019	10.01.2020	5 WEEKS
Sankranti 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	08.02.2020	3 WEEKS
I Mid Examinations	10.02.2020	15.02.2020	1 WEEK
II Spell of Instruction	17.02.2020	11.04.2020	8 WEEKS
II Mid Examinations	13.04.2020	17.04.2020	4 DAYS
Practical Examinations	18.04.2020	22.04.2020	4 DAYS
Betterment Examinations	23.04.2020	25.04.2020	4 DAYS
End Semester Examinations	27.04.2020	12.05.2020	2 WEEKS 2 DAYS
Supplementary Examinations	13.05.2020	30.05.2020	2 WEEKS 4 DAYS
Commencement of classes will be from 15.06.2020			




DIRECTOR

Figure 2.2.1A (a) Sample Academic Calendar for A.Y 2019-20



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B.Tech II, III & IV Year Academic Calendar for the Academic Year 2019-20

FIRST SEMESTER		<u>Commencement of Class Work</u> 17.06.2019	
	FROM	TO	DURATION
I Spell of Instructions	17.06.2019	10.08.2019	8 weeks
1 st week of July 2019	International Conference		
3 rd Week of August 2019	Alumni Interaction		
II Spell of Instructions	19.08.2019	26.10.2019	8 Weeks
4 th Week of September 2019	Guest Lecture		
SECOND SEMESTER		<u>Commencement of Class Work</u> 09.12.2019	
I Spell of Instructions	09.12.2019	08.02.2020	8 Weeks
3 rd Week of December 2019	Seminar on Higher Education		
3 rd Week of January 2020	Technical Seminar on Advanced Technologies		
II Spell of Instructions	17.02.2020	11.04.2020	8 Weeks
4 th Week of February 2020	Guest Lecture on Open Source Software		
3 rd Week of March 2020	Alumni Interaction		

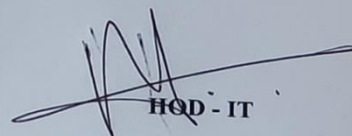

HOD - IT

Figure 2.2.1A (b) Department Calendar for A.Y. 2019-20



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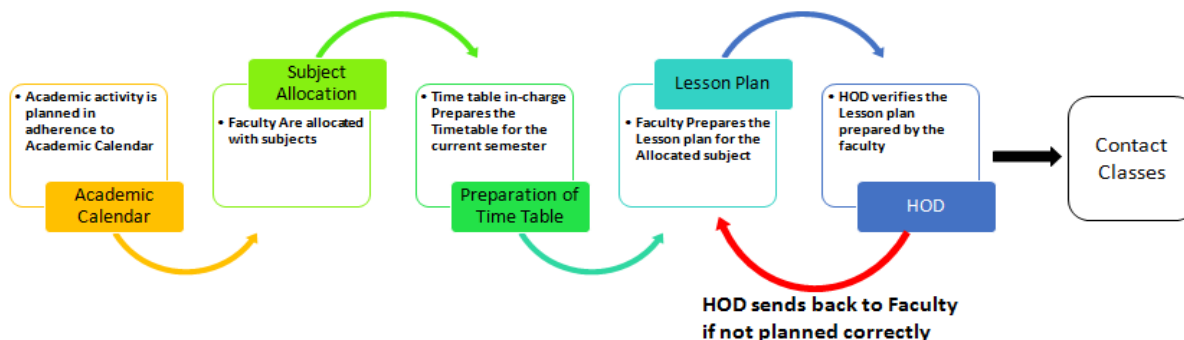


Table 2.2.1A (c) Process of conducting classes according to academic calendar

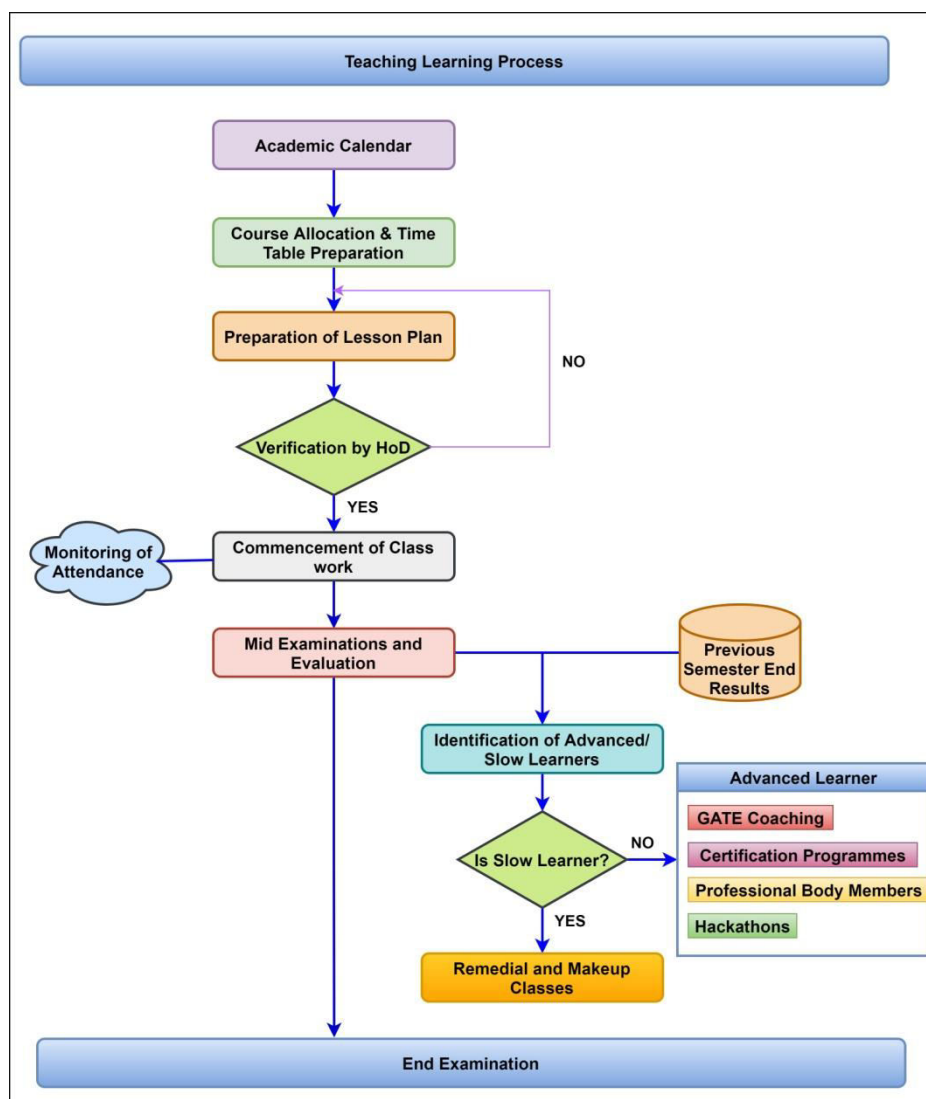


Figure 2.2.1(d) Teaching Learning Process for Theory Classes



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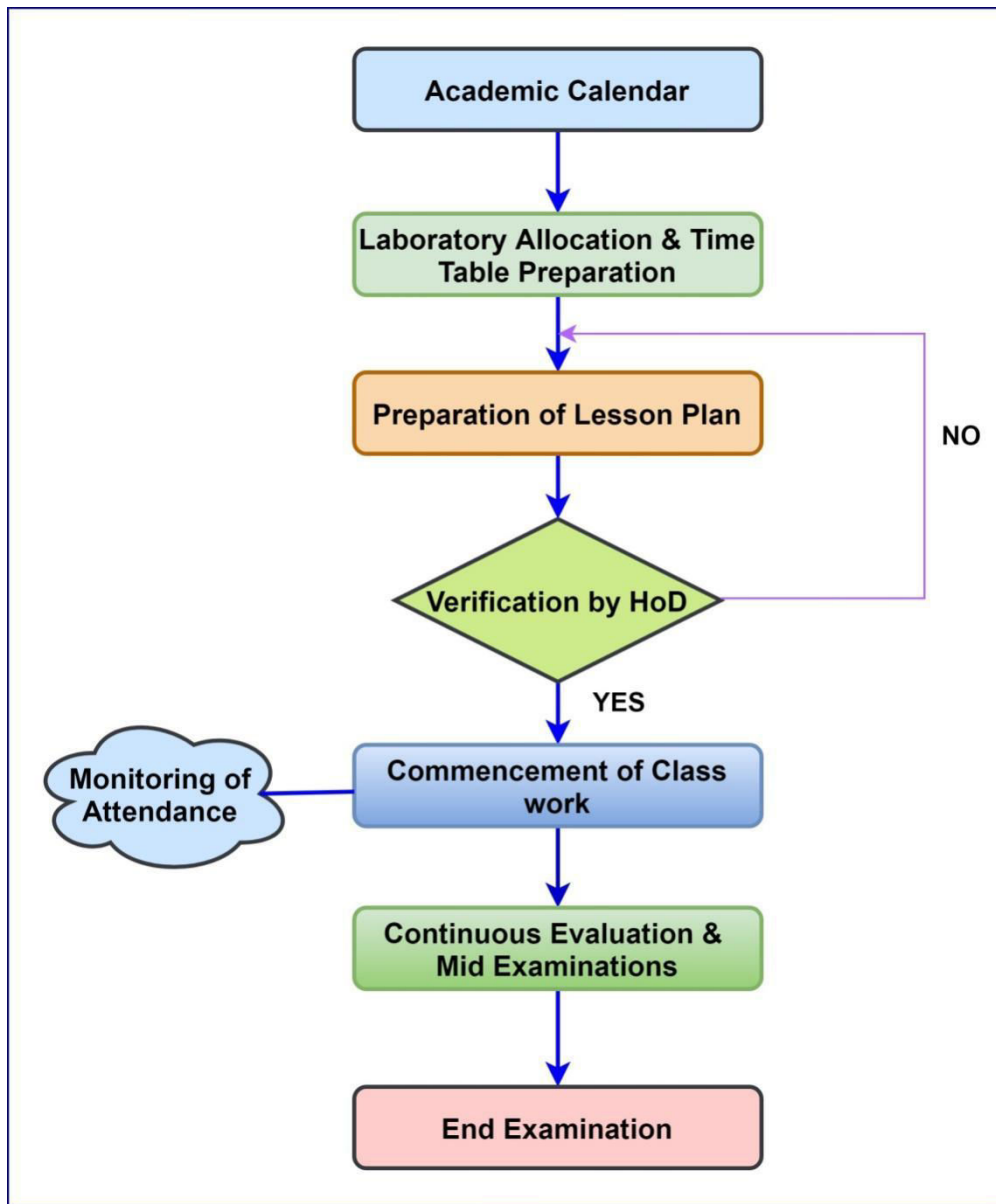


Figure 2.2.1(e) Teaching Learning Process for Practical Classes

B. Use of Various instructional methods and pedagogical initiatives:

OUTCOME-BASED EDUCATION (OBE)

Outcome-Based Education (OBE) is a student-centric teaching and learning methodology in which the course delivery and assessments are planned to achieve stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels.



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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.

Various pedagogical initiatives to achieve the outcomes of teaching are:

- ICT based learning
- Interactive Learning
- Collaborative learning
- Flipped Classroom
- MOODLE
- CANVAS
- Role Play
- Think-Pair-Share
- Project Based
- Case Studies and Problem based learning
- NPTEL Videos

Content Delivery (method of instruction)

- ICT based learning:** ICT based learning use of LCD projectors provision for interactive and teaching learning.
- Interactive Learning:** **Interactive Learning** is a pedagogical approach that incorporates social networking and urban computing into course design and delivery. Interactive Learning has evolved out of the hyper-growth in the use of digital technology and virtual communication, particularly by students.
- Collaborative learning:** This approach actively engages learners to process and synthesize information and concepts, rather than using rote memorization of facts



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and figures. Learners work with each other on projects, where they must collaborate as a group to understand the concepts being presented to them.

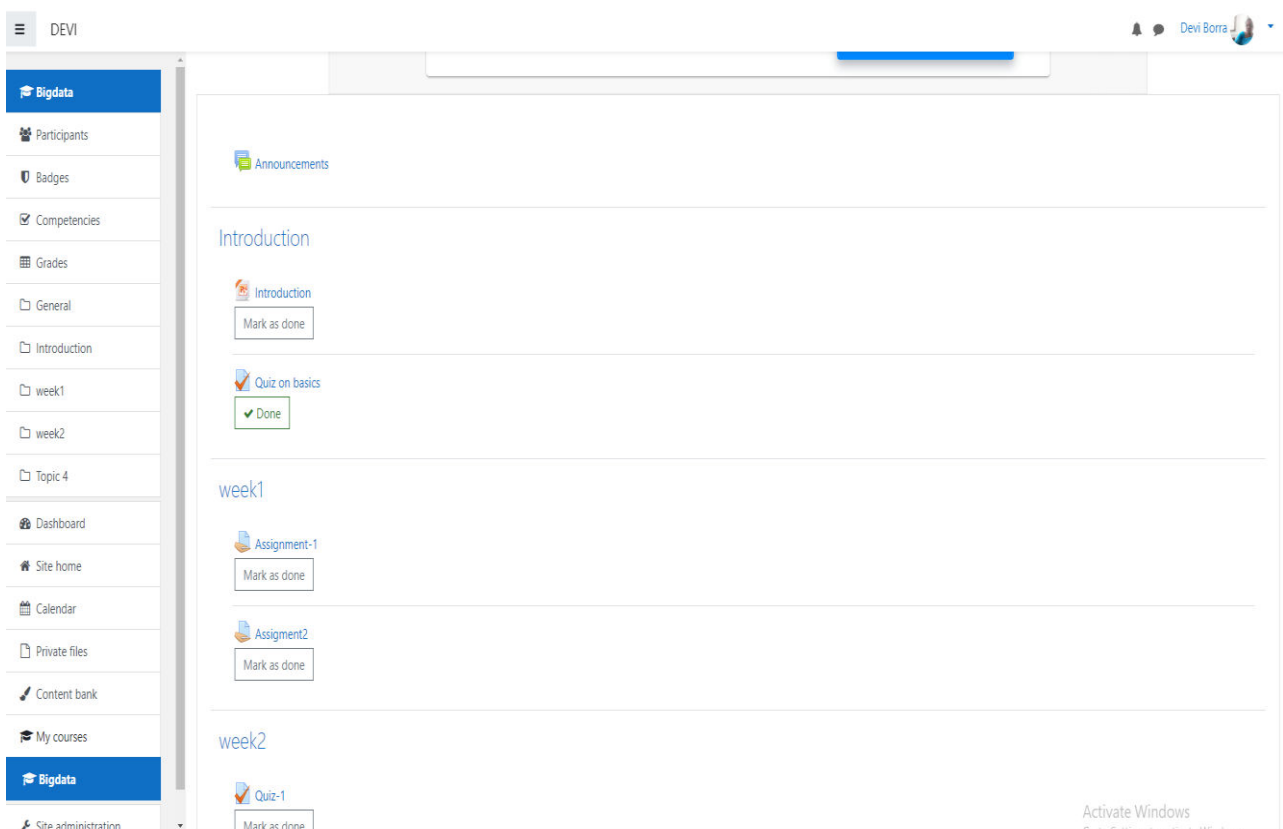
iv) **Flipped Classroom:** A flipped classroom is a type of blended learning where students are introduced to content at home and practice working through it at Institute. This is the reverse of the more common practice of introducing new content at Institute, then assigning homework and projects to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

v) **MOODLE**

Moodle is a learning platform designed to provide educators, administrators and learners with a single robust, secure and integrated system to create personalized learning environments. Faculty can upload the software, notes and materials so that students can download them onto their own web server.

vi) **CANVAS :**

Canvas is the learning management system (LMS), which provides many learning guides and tutorial videos for students new to Canvas. A Canvas course site is created for every course taught at UIS. All online and blended courses use Canvas, though not all instructors of face-to-face classes choose to use the tool.





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Faculty can conduct discussions among class students, conduct quizzes and ask them to submit assignments through CANVAS.

Account

Dashboard

Courses

Calendar

Inbox

History

Commons

Help

Home

Announcements

Assignments

Discussions

Grades

People

Pages

Files

Syllabus

Outcomes

Rubrics

Quizzes

Modules

BigBlueButton (Conferences)

Collaborations

Attendance

New Analytics

Settings

DAA > Modules

63 Student View

Collapse All

View Progress

+ Module

Import Existing Content

Import from Commons

Choose Home Page

View Course Stream

New Announcement

New Analytics

View Course Notifications

To Do

Grade Assignment-1
5 points • May 10 at 11:59pm

Coming Up
Nothing for the next week

DAA

CO PO Mapping

syllabus

Lesson Plan.docx

Time Table.docx

DAA QB 3 Units.doc

DAA QB- 5 units.doc

Previous Question Papers

114CS052015.pdf

114CS052016.pdf

114CS112016.pdf

114CS052017.pdf



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First name / Surname	Email address	Roles	Groups	Last access to course	Status
17911A1237 Aarthi Myadam	aarthimyadam25@gmail.com	Student	No groups	Never	Active
17911A1251 Abhishek	tankasalaabhishek55@gmail.com	Student	No groups	Never	Active
17911A1201 Addi Sanjana	sanjanareddy0511@gmail.com	Student	No groups	Never	Active
17911A1202 Amundla Sagar	amundlasagar333@gmail.com	Student	No groups	Never	Active
17911A1233 Anil Reddy	mareddynilreddy143@gmail.com	Student	No groups	Never	Active
17911A1203 Anumu Venkataramana	anumunvenkataramana933@gmail.com	Student	No groups	Never	Active
17911A1259 Aparna Yandapalli	ayandapalli45@gmail.com	Student	No groups	Never	Active
17911A1205 Beera Priya	priyareddy8840@gmail.com	Student	No groups	Never	Active
17911A1206 BEERUKA TARINI	tarinimudiraj@gmail.com	Student	No groups	Never	Active
Devi Borra	devi@vjit.ac.in	Teacher	No groups	43 secs	Active
17911A1230 Chikitha Reddy	reddychikitha7799@gmail.com	Student	No groups	Never	Active
17911A1208 Deshineni Pranitha	pranitha.deshineni@gmail.com	Student	No groups	Never	Active
17911A1209 E S Sanjana	ekkaladevisanjana@gmail.com	Student	No groups	Never	Active
17911A1216 G. Manish Kumar	manishkumaryadav108@gmail.com	Student	No groups	Never	Active
17911A1212 GANJI NAGA SAI MAHITH	mahith.ganji@gmail.com	Student	No groups	Never	Active
17911A1213 Giddalapati Vaishnavi	giddalapativaishnavi3005@gmail.com	Student	No groups	1 year 28 days	Active

Figure 2.2.1B (b) Sample CANVAS Page

- vii) **Role Play:** Role-play is a technique that allows students to explore realistic situations by interacting with other people in a managed way to develop experience and trial different strategies in a supported environment. Depending on the intention of the activity, participants might be playing a role similar to their own (or their likely one in the future) or could play the opposite part of the conversation or interaction. Both options provide the possibility of significant learning, with the former allowing experience to be gained and the latter encouraging the student to develop an understanding of the situation from the ‘opposite’ point of view.



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Figure 2.2.1B (c) Sample Role Play

- viii) **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 to a question; and (2) share ideas with classmates. Discussing with a partner maximizes participation, focuses attention, and engages students in comprehending the reading material.



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Figure 2.2.1B (d) Sample Think-Pair-Share

- ix) **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 2.2.1B (e) Sample Project based learning



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- X) **RankSheet:** RankSheet provides free online exams for candidates in .Net, Java, LAMP, SQL Server, Oracle, C++, OS and more. Get upto date with technology. Read solutions posted by other members and know how they solved technical problems. Employers hire directly from RankSheet based on their dynamic resume, RankSheet certifications and solutions posted by student.



Figure 2.2.1B (f) Sample RankSheet Page

XI) Club activities: Department is providing the various club activities like IoT club, Ethical Hacking Club, Android club, etc. There are faculty coordinators, who helps the students to form the groups, involve in discussion and create new projects under various clubs.

- **Android Club:**

Android club is established with an aim to provide a platform for the students to develop android applications.



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COMMITTEE MEMBERS-2019-2020

Faculty Members:

S. No	Coordinators	Name	Designation
1	Convenor	Dr. Siddharatha Ghosh	Professor
2	Member	P. Indira Priyadarshini	Assoc. Professor
3	Member	T. Devi	Assoc. Professor

S. No	Roll Numbers	Name
1	16911A1209	D.Aneela Chowdary
2	16911A1225	K.Govardhani
3	16911A1257	V. Shiva Krishna
4	16911A1235	Md. Roshan

- IoT club:

IoT club is established to increase the knowledge base of students not only vertically but also horizontally into electronics, so as to transform a student into an all-round engineer.

COMMITTEE MEMBERS-2018-2019

S. No	Coordinators	Faculty Name	Designation
1	Convener	T. Devi	Assoc. Professor
2	Member	J Bramaramba	Asst. professor

S. No	Roll Numbers	Student Name
1	16911A1224	K. Himaja
2	16911A1250	P. Mounika
3	16911A1242	N. Rebecca
4	17911A1218	Jsvs Jogendra
5	17911A1235	Furquan



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- SHECODERS (A Club for Women Coders of VJIT)**

The Women empowerment cell initiated the SHECODERS club in the department exclusively for girl students to enhance and improve their coding skills. The Shecoders club is inaugurated on 8th March 2019.

COMMITTEE COORDINATOR MEMBERS-2018-2019

S. No	Faculty Name	Designation
1	Mrs. G. Indira Priyadarshini	Assoc. Professor
2	Dr. D. Aruna Kumari	Professor





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Figure 2.2.1B (g) Sample poster for Code C Fiesta under Shecoders

The above figure shows the poster of Code C Fiesta activity conducted under Shecoders.

- **Ethical Hacking Club:**

An Ethical Hacking club is established with an aim to provide a platform for the students to develop various applications.

COMMITTEE MEMBERS(2018-19)

S. No	Coordinators	Faculty Name	Designation
1	Convener	Dr. Siddharatha Ghosh	Professor
2	Member	B. Eshwar Babu	Assoc. Professor

S. No	Roll Number	Student Name
-------	-------------	--------------



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1	16911A1237	Mohit Chokda
2	16911A1236	Md. Adil

XII) IITBombayX - Infinite learning opportunities

IITBombayX is an online platform developed by IIT Bombay, to offer Massive Open Online Courses (MOOCs) for individuals from varying backgrounds. They specialize in Hybrid MOOCs which captures the benefits of flipped classrooms, online lectures, and live interactions with the IITBombayX course instructors.

IITBombayX offers different types of MOOCs for various learning needs like Object Oriented Programming, Foundation of Data Structures, Shell Programming, Financial Literacy etc.

Figure 2.2.1B (h) Homepage of IITBombayX website



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Figure 2.2.1B (i) Sample IITBombay certificate

XIII) NPTEL Videos: Using NPTEL videos and open source courseware for improved and effective delivery of course contents. The lectures are given by elite member of the various Institutes like IIT Madras, IIT Kharagpur, IIT Bombay, IIT Kanpur.

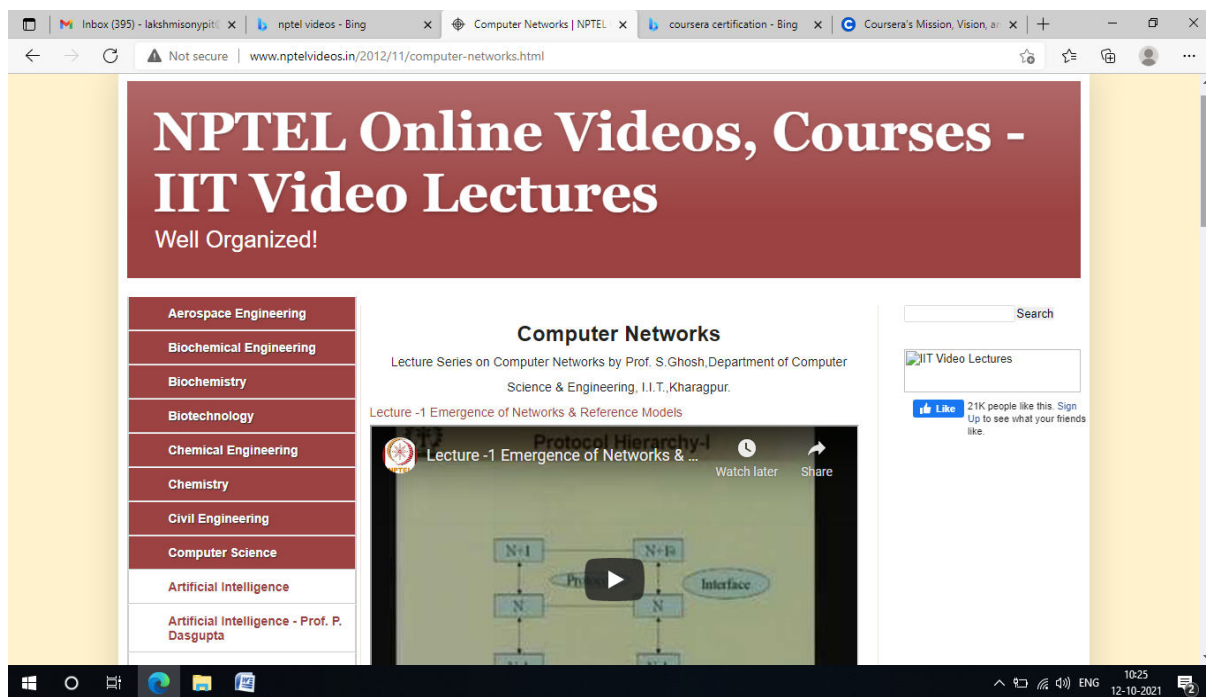


Figure 2.2.1B (j) Sample NPTEL video



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XIV) Effective delivery of the course:

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

S.NO.	DESCRIPTION
1	Syllabus
2	Textbook & Other References
3	Timetable
4	Program Outcomes (PO) & Program Specific Outcomes (PSO)
5	Mapping Of Course Outcomes (CO) With Program Outcomes (PO) & Program Specific Outcomes (PSO)
6	Academic Calendar
7	Student List
8	Teaching Schedule/Lesson Plan
9	Assignment Questions
10	Mid Question Papers I & II
11	Lecture Notes
12	Power Point Presentation
13	Previous Question Papers
14	Add on Topics
15	Innovations In Teaching and Learning
16	Assessment Sheet – Co Wise (Direct Attainment)
17	Course End Survey Form

C. Table 2.2.1B Course File Index

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 based on student's assessment. Students are also accessed through lectures and lab classes, assignments, MID-I and MID-II



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results. Categories of identifying weak students, bright students and extra care taken for them are presented in below table 2.2.1C.

Category of learners	Method of categorization	Extra care taken for students
Slow learners	Percentage <60%	<ul style="list-style-type: none">• Mentors regularly monitor the progress and council them to attend the classes regularly.• Intimating parents about the progress of their wards.• Conducting extra classes• The weak students are supported by conducting makeup classes.
Fast learners	Percentage \geq 60%	<ul style="list-style-type: none">• Extra assignment to enhance complex problems solving skills.• Special guidance to publish papers and carry out innovative projects• Allowed to take up 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 C Category of learners

Outcomes of action taken for weak students:

Based on the extra care/ initiatives taken for slow learner students the academic performance gets improved. Based on the action taken, not only the academic performance is improved but also, they are employed by the recruiters.

The process of Initiation and Implementation of assisting weak and bright students is shown in below figure 2.2.1C.



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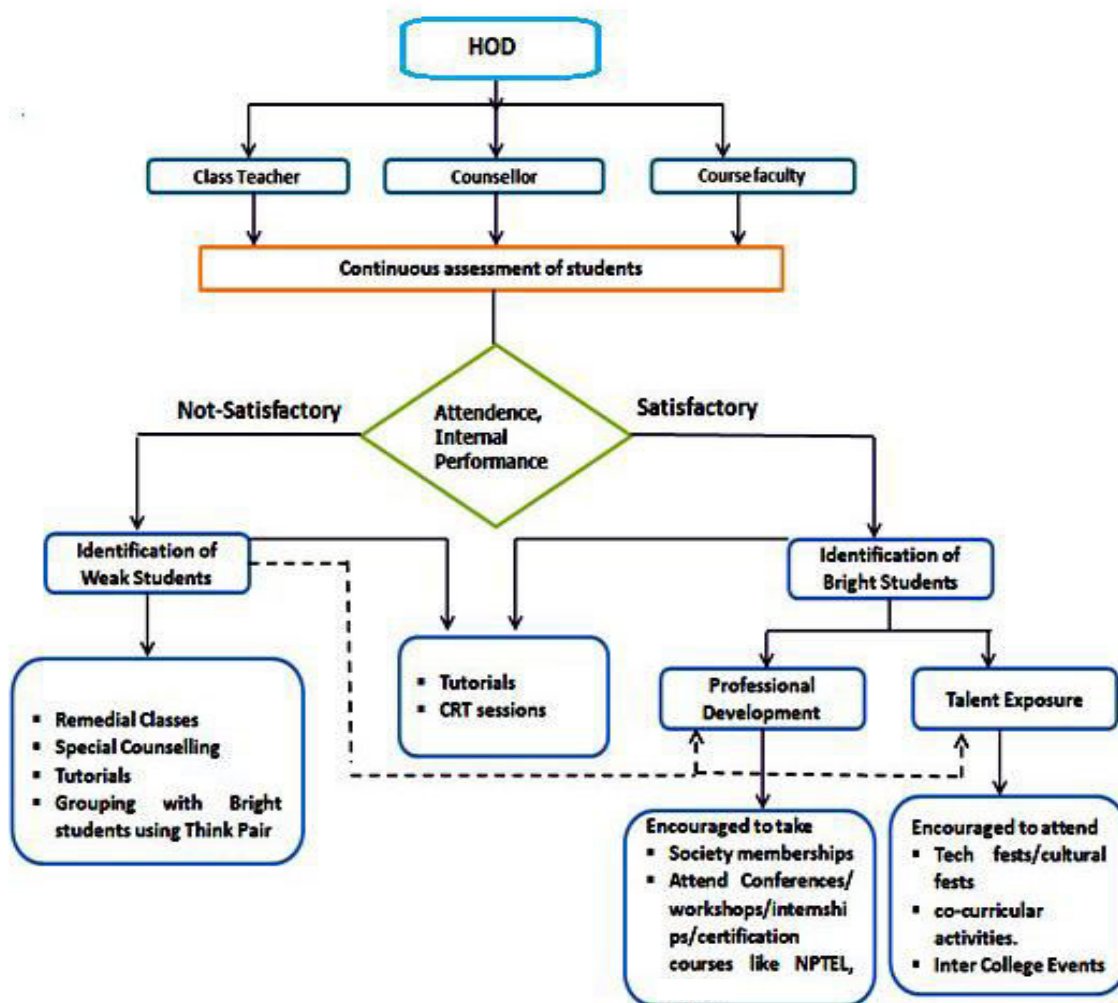


Figure 2.2.1C Process of Initiation and Implementation of assisting weak and bright students

Initiation and Implementation details of assisting weak students:

- Active involvement of students in makeup classes is observed
- Grouping the students with bright students using Think-pair
- More number of online courses will be completed by students
- Supplemented with lecture notes
- More number of students have undergone internships in industries at national level

Initiation and Implementation details of assisting bright students:

- 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 prizes



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- 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, Ethical Hacking Club, Android club, SheCoders club, CSI, ISTE and ACM Chapters
- Self learning through Google's Developers Students Society (DSS)
- The students with a flair for entrepreneurship are given training in Entrepreneurial Startups assisting them to initiate their endeavors during their under-graduation period itself.
- The bright students having high academic track records are encouraged by faculties to achieve university ranks, also encouraged to take up competitive examinations like GATE, GRE etc.
- Campus Recruitment Training (CRT) classes are organized by the college so as to enable them to obtain placement through campus interviews.
- Students are encouraged to exhibit their talents in co-curricular activities during various events like Technical Fests, Project Expo, Cultural Fests, Engineers Day, Women's Day and Annual Day Celebrations.

D. Quality of Classroom Teaching:

Quality of content delivery in classrooms is evaluated randomly by visiting ongoing lecture classes. Head of the Department and few selected senior faculty members 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 members to improve the quality of lectures. The format for evaluation of classroom teaching is given below.



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• Format for assessment of classroom teaching

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

Table 2.2.1D Metrics for classroom teaching



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E. Conduct of Experiments:

Curriculum stipulates 2 laboratory courses per semester from 1st to 7th semester. Students carry out more than the required number of experiments, beyond the minimum specified by the Institute. All laboratories have excellent facilities, both hardware and software based. For the experiments detailed instruction manuals are provided. The observations are checked and verified by faculty and record books are maintained systematically. Two faculty members and one instructor are assigned for each practical class. Students are assessed in the laboratories through Continuous Evaluation process during each lab session.

F. Continuous Assessment in the 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.

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DEPARTMENT OF INFORMATION TECHNOLOGY									
Continuous Lab Assessment Sheet									
Academic Year: 2019-20									
Course Name: Hadoop and Big Data Lab									
Class: IV Year I Semester									
Regulation: R15									
Course Code:									
S.No.	Roll No.	Date: 17/6/19	Date: 24/6/19	Date: 1/7/19	Date: 8/7/19	Date: 15/7/19	Date: 22/7/19	Date: 29/7/19	
		O	R	E	T	O	R	E	T
1	16911A1201	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
2	16911A1202	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
3	16911A1203	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
4	16911A1204	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
5	16911A1205	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
6	16911A1206	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
7	16911A1207	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
8	16911A1208	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
9	16911A1209	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
10	16911A1210	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
11	16911A1211	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
12	16911A1212	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
13	16911A1213	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
14	16911A1214	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
15	16911A1215	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
16	16911A1216	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
17	16911A1217	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
18	16911A1218	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
19	16911A1219	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
20	16911A1220	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
21	16911A1221	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
22	16911A1222	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
23	16911A1223	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
24	16911A1224	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
25	16911A1225	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
26	16911A1226	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
27	16911A1228	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
28	16911A1230	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab

O - Observation(5M), R - Record(5M), E - Execution(5M), T - Total Marks (15M)

Figure 2.2.1E Continuous Evaluation Sheet



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Each laboratory class teacher maintains the day-to-day evaluation records of student performance. For all laboratory courses, the internal evaluation of practical courses is for 25marks, out of 25 marks the day-to-day assessment is for 15 marks (as shown in above figure 2.2.1E) & lab internal for 10 marks. The end semester lab examination carries a weightage of 50 marks.

G. 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 for every course at the end of semester by students on the following 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



Department of Information Technology

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 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 your strengths and encourage and guide you in the right level of challenges.
- 10 Identify student 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 methods experienced, participative and problem solving methodologies for enhanced learning experiences.
- 13 Participation in extracurricular activities
- 14 Efforts are made by the institute on soft skills, life skills and employability skills to make students ready for the world of work
- 15 Percentage Use ICT Tools such as LCD Projectors, Multimedia etc., while teaching
- 16 On overall teaching learning process
- 17 Suggestions for improving overall teaching learning process.



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Action taken on student's feedback

A discussion will be made on feedback taken from the stakeholders on curriculum for the academic year will be discussed in the academic council and BOG meetings and action will be taken based on the comments.

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

- Suggested to provide practical view on teaching topics
- Suggested to give practical explanation
- Suggested to encourage the student participation in the classroom teaching

2.2.2 Quality of end semester examination, internal semester question papers, assignments and evaluation (15)

A. Process for internal semester question paper setting and evaluation and effective process implementation

- Faculty members are instructed to prepare questions as per
 - The curriculum and assessment frameworks for different subjects.
 - Course Outcomes (CO) in the syllabus.
 - Different levels of Blooms taxonomy

Bloom's Taxonomy



Figure 2.2.2A A Bloom's Taxonomy



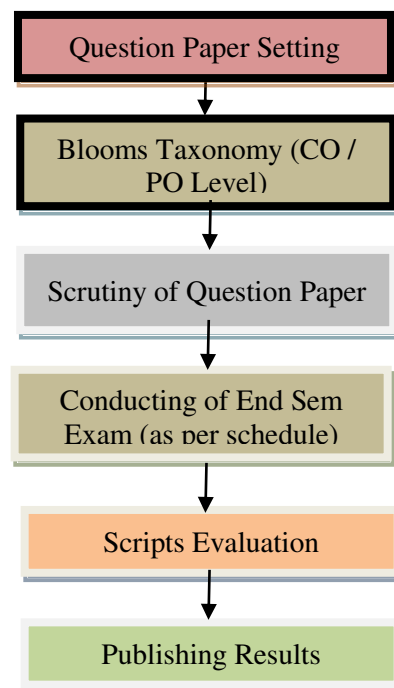
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- Senior Faculty members are appointed as course coordinators for framing the question paper based on COs and program outcomes, using/based on Blooms level.
- The course coordinator will verify the question paper and submit to exam section.
- The internal marks are calculated based on evaluating the answer papers.
- The different levels of Blooms Taxonomy as shown in figure 2.2.2A

B. Process to ensure quality of question paper from outcomes/learning perspective:

The process flow is shown in Figure 2.2.2B (a)

- Within three days of examination the subject handling faculty members must evaluate the student examination answer papers and let the students verify.





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Figure 2.2.2B (a) Process to Ensure the Quality of End Semester Examination

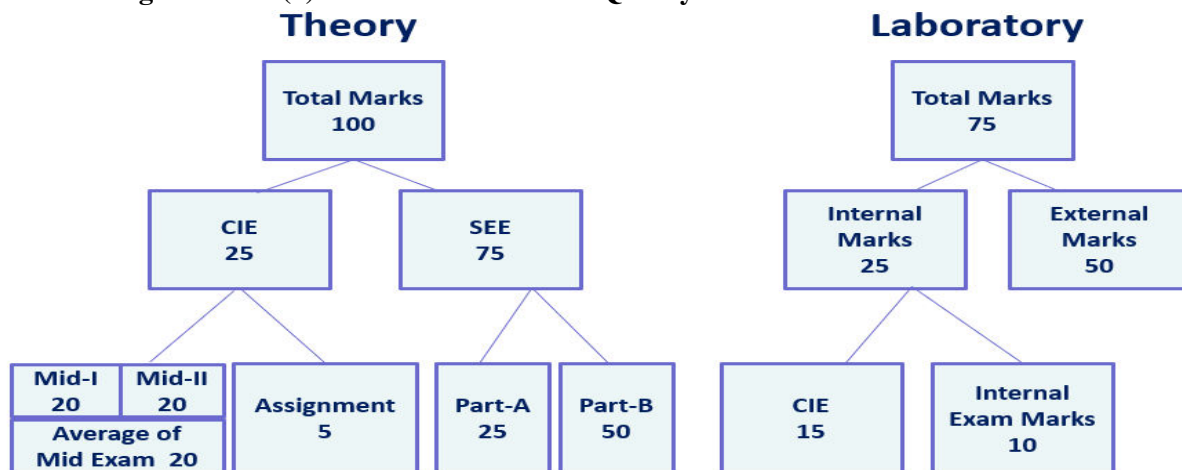


Figure 2.2.2B (b) Distributions of Marks

Examination pattern:

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 10Marks	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 2Marks	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 2Marks	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 2.2.2B Examination Pattern



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Internal Question Paper Sample:

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II Year B.Tech I Semester 2nd Mid Exam

Branch: IT Duration: 90Min
Sub: Python Programming Marks: 20
Date: Session:

Course Outcomes:

1. Identify the difference between scripts and programs.
2. Solve the problems based on decision control statements.
3. Develop programs on functions and data structures.
4. Write the programs on string operations.
5. Use the object oriented techniques for solving real time problems.

Bloom Levels:

Remember	I
Understand	II
Apply	III
Analyze	IV
Evaluate	V
Create	VI

PART-A (3Q×2M = 6 Marks)

ANSWER ALL THE QUESTIONS

		Course Outcomes		Bloom Levels	Marks
		CO	PO		
1	List the features of Python language	1	PO1-PO12	1	2
2	What is a regular expression?	2	PO1-PO12	2	2
3	Define class and object.	3	PO1-PO12	1	2

PART-B (5+5+4= 14 Marks)

ANSWER ALL THE QUESTIONS

		Course Outcomes		Bloom Levels	Marks
		CO	PO		
4.a)	Explain with an example how functions are defined and called in Python.	1	PO1-PO12	2	3
4.b)	Demonstrate how modules are created and imported in Python.	1	PO1-PO12	2	2
[OR]					
5.a)	Illustrate with an example how packages are created in Python.	1	PO1-PO12	2	3
5.b)	Write a Python program to print all the even numbers upto 'n'. Use range() function	1	PO1-PO12	2	2
6.a)	Differentiate lists and tuples in Python with an example program.	2	PO1-PO12	1,2	3
6.b)	Explain any four built-in string functions with an example program.	2	PO1-PO12	2	2
[OR]					
7.a)	Create a regular expression pattern for a password with a combination of alphabets and digits only and begins with an uppercase letter and is atleast 8 characters long. Write a Python program to validate the same.	2	PO1-PO12	2	2
7.b)	Explain dictionaries in Python with an example program.	2	PO1-PO12	2	3
8.a)	What is __init__() method in a Python class? Explain with an example program.	3	PO1-PO12	2	4
[OR]					
8.b)	Write a Python program that reads student details: rollno, name and marks in six subjects and computes average marks. Use classes and objects.	3	PO1-PO12	2	4

VJTI(A)

Figure 2.2.2B (c) Sample Internal Question Paper



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End Exam sample paper

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Subject Code: _____

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

Subject: _____ **Branch:** _____
Time: 3 hours **Max Marks: 75**

Note: This question paper contains two **Part 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 a)					
[OR]					
b)					
12 a)					
[OR]					
b)					
13 a)					
[OR]					
b)					
14 a)					
[OR]					
b)					
15 a)					
[OR]					
b)					

VJIT(A)

Figure 2.2.2B (d) Sample End question paper

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, MID II and Assignment are considered for computing course outcome attainment for each course



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Class: II Year B.Tech, I Sem (Academic Year: 2016-17)																		
Course: DS																		
Faculty:																		
S.No	Reg.No	Assignment1 (5M)	Theory (20M)	MID-1 Threshold 60%						Assignment2 (5M)	Theory (20M)	MID-2 Threshold 60%						Threshold 60% (45M)
				M1-Q1 (2M) CO1	M1-Q2 (2M) CO2	M1-Q3 (2M) CO3	M1-Q4 (5M) CO1	M1-Q5 (5M) CO2	M1-Q6 (4M) CO3			M2-Q1 (2M) CO3	M2-Q2 (2M) CO4	M2-Q3 (2M) CO5	M2-Q4 (4M) CO3	M2-Q5 (5M) CO4	M2-Q6 (5M) CO5	End Exam (75M)
1	15911A1201	5	15	1	1	2	5	5	2	5	14	1	1	1	1	5	5	57
2	15911A1202	5	17	1	1	1	5	5	4	5	15	1	2	2	3	2	5	48
3	15911A1203	5	4	1	1	0	1	1	0	5	13	1	2	2	3	2	5	50
4	15911A1204	5	15	2	1	2	5	5	4	5	15	2	2	2	3	2	5	54
5	15911A1205	5	14	1	1	1	5	5	1	5	9	2	1	2	0	2	2	46
6	15911A1206	5	10	1	1	0	3	2	3	5	9	2	1	2	0	2	2	49
7	15911A1207	5	15	1	2	2	5	2	3	5	13	1	2	2	3	2	5	45
8	15911A1208	5	20	2	2	2	5	5	4	5	20	2	2	2	4	5	5	72
9	15911A1209	5	15	2	2	2	5	5	3	5	15	1	2	2	3	2	5	55
10	15911A1210	5	20	2	2	2	5	5	4	5	20	2	2	2	4	5	5	71
11	15911A1211	5	15	1	2	2	5	3	2	5	15	2	2	2	0	5	5	46
12	15911A1212	5	10	1	2	2	5	5	4	5	20	2	2	2	4	5	5	71
13	15911A1213	5	15	2	1	2	5	5	4	5	20	2	2	2	4	5	5	72
14	15911A1214	5	10	1	1	2	2	2	2	5	10	1	1	2	2	2	2	50
15	15911A1215	5	11	1	1	2	2	2	3	5	12	1	1	2	2	2	4	54
16	15911A1216	5	5	0	1	1	1	1	1	5	10	1	1	2	2	2	2	5
17	15911A1217	5	15	2	2	1	5	5	4	5	17	1	1	1	4	5	5	55
18	15911A1218	5	4	1	0	0	1	1	1	5	13	1	1	1	4	5	1	14
19	15911A1219	5	15	2	2	2	5	2	3	5	18	2	2	1	4	5	7	66
20	15911A1220	5	4	1	0	1	1	1	0	5	19	2	2	1	4	5	5	48
21	15911A1221	5	14	1	2	1	5	2	3	5	19	2	2	1	4	5	5	60
22	15911A1222	5	15	2	2	2	4	3	3	5	13	1	2	2	3	2	3	49
23	15911A1223	5	5	1	1	1	0	2	0	5	12	1	1	2	3	2	5	51
24	15911A1224	5	11	2	1	1	2	2	3	5	10	0	0	2	3	2	3	17
25	15911A1225	5	15	2	2	1	5	1	4	5	17	1	1	1	4	5	5	48
26	15911A1227	5	20	2	2	2	5	5	4	5	20	2	2	2	4	5	5	71
27	15911A1228	5	10	2	2	2	2	2	0	5	15	1	1	0	4	5	5	52
28	15911A1229	5	15	2	2	1	5	5	4	5	20	2	2	2	4	5	5	71
29	15911A1230	5	10	0	1	1	4	2	2	5	17	1	1	1	4	5	5	51
30	15911A1233	5	15	2	1	2	5	5	4	5	20	2	2	2	4	5	5	65
31	15911A1234	5	15	2	2	0	5	5	4	5	20	2	2	2	4	5	5	77
32	15911A1235	5	15	2	2	1	5	5	0	5	15	0	1	1	4	5	5	60
33	15911A1236	5	10	1	1	1	3	2	2	5	19	2	2	1	4	5	5	64
34	15911A1237	5	9	2	1	2	2	2	0	5	10	1	1	2	2	2	2	47
35	15911A1238	5	14	2	1	1	5	2	3	5	13	1	1	2	5	2	2	48
36	15911A1239	5	20	2	2	2	4	4	4	5	20	2	2	2	4	5	5	72
37	15911A1240	5	15	2	1	1	5	2	1	5	19	1	2	2	4	5	5	49
38	15911A1241	5	20	1	2	1	5	5	4	5	20	2	2	2	4	5	5	71
39	15911A1242	5	14	2	2	2	4	2	2	5	11	2	1	2	2	2	2	45
40	15911A1243	5	15	2	2	2	4	4	1	5	17	1	1	1	4	5	5	54
41	15911A1244	5	12	1	2	2	2	2	3	5	15	0	1	1	4	5	5	49
42	15911A1245	5	12	1	2	2	2	2	3	5	9	1	0	2	2	2	2	18
43	15911A1247	5	15	2	2	2	5	5	3	5	AB	AB	AB	AB	AB	AB	AB	46
44	15911A1248	5	15	2	2	1	4	4	2	5	14	1	1	1	1	5	5	51
45	15911A1249	5	15	2	2	1	4	4	2	5	15	2	2	1	1	5	5	51
46	15911A1250	5	15	1	1	2	5	5	4	5	14	1	1	1	1	5	5	58
47	15911A1251	5	15	1	1	1	5	5	3	5	13	2	2	1	3	5	5	61
48	15911A1252	5	15	2	2	2	5	5	3	5	20	2	2	2	4	5	5	58
49	15911A1253	5	17	1	1	1	5	5	4	5	17	1	1	1	4	5	5	47
50	15911A1254	5	15	1	1	2	5	5	4	5	19	2	1	2	4	5	5	59
51	15911A1255	5	13	1	1	1	3	4	3	5	15	1	1	1	2	5	5	49
52	15911A1256	5	17	1	1	2	5	4	4	5	20	2	2	2	4	5	5	47
53	15911A1257	5	11	1	1	1	3	3	2	5	13	2	1	1	3	3	3	50
54	15911A1258	5	15	1	2	2	5	5	4	5	20	2	2	2	4	5	5	59
55	15911A1259	5	15	1	2	2	5	5	3	5	15	1	1	1	2	5	5	48
56	15911A1260	5	14	1	1	1	5	5	1	5	14	1	1	1	4	4	5	54
57	14911A1225	5	10	1	1	1	2	2	3	5	10	2	1	1	4	2	0	58
Average marks		5.0	14.6	1.4	1.5	1.4	3.9	3.5	2.6	5.0	15.7	1.4	1.4	1.6	3.1	4.0	4.1	52.8
No of students		57	57	57	57	57	57	57	57	57	56	56	56	56	56	56	55	57
% of students scored 50% and above																		92.98
% of students scored																		



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ASSESSMENT OF COs FOR THE COURSE							
COs	Method	value	CO Attainment	Assignments	CO Attainment (Internal - Theory)	CO Attainment (End Exam)	Overall CO Attainment
CO1	M1 Q1	3.0	2.5	3.0	2.4	3.00	2.92
	M1 Q5	2.0					
CO2	M1 Q2	3.0	1.5				
	M1 Q6	2.0					
CO3	M1 Q3	3.0	2.8				
	M1 Q7	2.0					
	M2 Q1	3.0					
	M2 Q4	3.0					
CO4	M2 Q2	3.0	2.0				
	M2 Q5	1.0					
CO5	M2 Q3	3.0	3.0				
	M2 Q6	3.0					

Figure 2.2.2D Sample Attainment Evaluation Copy

D. Quality of Assignment and its relevance to COs:

- Assignments are given to the students to achieve the course outcomes by promoting the self-learning.
- The assignments are designed to assess the application-oriented knowledge gained by the students in the relevant course.
- Two assignments are given to the students for each course by following Blooms Taxonomy.
- Evaluation of the assignment completed by the students will be done by giving importance to the extent with which the students have used multiple sources for collecting the information for the assignment as well as the presentation of the concept.



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Unit Wise Assignments (With different Levels of thinking – Blooms Taxonomy and Course Outcomes) from Data Structures Subject

Unit – I		CO	Bloom Level	PO	PSO
1	Write a C program to implement stack ADT using Linked list.	1	L1	1,2,3,4,5	
2	Explain the procedure to convert infix expression into postfix Expression.	1	L2	1,2,3,4	1
3	Convert following infix expression into its equivalent postfix expression using stack application $A*(B+D)/E-F*(G+H/K)$	1	L1	1,2,3,4	1
Unit – II					
1	Discuss how the binary tree is represented.	2	L2	1,2	1
2	Define threaded binary tree? Explain the impact of such a representation on the tree traversal procedure?	2	L4	1,2	1
Unit – III					
1	Explain the insertion operation on AVL trees.	3	L4	1,2,3	1
2	Explain the procedure to insert the following elements into an empty AVL Tree 20, 15, 5, 10, 12, 17, 25, 19.	3	L4	1,2,3,4	1
Unit – IV					
1	Compare BFS and DFS procedures with examples.	4	L4	1,2,3	1
2	Define Minimum Spanning tree? Explain Dijkstra's Algorithm with example.	4	L2	1,2,3	1
Unit – V					
1	Define collision and discuss any two collision resolution techniques.	5	L2	1,2,3	1
2	Analyze input (371, 323, 173, 199, 344, 679, 989) and hash function $h(x)=x \bmod 10$, Show the result Separate Chaining, linear probing.	5	L4	1,2,3,4	1



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2.2.3 Quality of Student Projects

(Quality of the project is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, type (application, product, research, review etc.) and standards. Processes related to project identification, allotment, continuous monitoring, evaluation including demonstration of working prototypes and enhancing the relevance of projects. Mention Implementation details including details of POs and PSOs addressed through the projects with justification)

A. Identification of Projects and allocation methodology to Faculty Members

- All IT students are encouraged to do projects in different domains using advanced programming tools. This provides significant learning and ability to apply the knowledge in the real world.
- The final year students do projects with a team size of maximum 4 per team. Based on the area of specialization, the project groups are assigned to the faculty.
- The students are also encouraged to choose industrial problems based on the previous in plant training of the concerned industries.
- The guides are allocated based on their specialization by the project Coordinator and Head of the department.
- In the project work, students have to identify the project, consolidate the work plan by the faculty based on collected literature. Three reviews will be planned and scheduled once the abstract is finalized.
- Then the students complete their project work and submit the progress of the project for every review.

Timeline	Task	Particulars
1 st week	Call for project batch	Students are invited to prepare their batch and get it registered with the project coordinator of the department. They will receive project batch identification number which is used as reference throughout the academic year.
3 rd week	Call for Project Titles and guide allotment	Students are instructed to submit the title of the project in consultation with their respective guide in a given format to the project coordinator.



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		With respect to the faculty area of interest the batches will be assigned
4 th week	Synopsis submission	The student project titles are pre-evaluated by a team of faculty.
	Project title finalization and Abstract Approval	The submitted project titles are reviewed by a committee consisting of Project coordinator, Head of the department and senior faculty.
6 th week	First Review	Students are instructed to submit Software requirement specification and give a PowerPoint presentation for the project.
8 th week	Second Review	Students are instructed to submit Design document of the project and give a PowerPoint presentation for the project.
12 th week	Final Demonstration	Students are instructed to submit complete project report and give a PowerPoint presentation for the project.
14 th week	Project internal marks assessment and external viva voce	The internal marks for the project are assessed as per the reviews and external viva voce is scheduled.

Table 2.2.3A Timeline for Projects

B. Types and relevance of the projects and their contribution towards attainment of POs and PSOs

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

C. Projects related to industry:

Academic year: 2019-20

Title of the Paper Published	Name of the journal	National/ International	Name of the Student
The New Era of Full Stack Development Introduction of Cloud and It's Impacts	International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 9 Issue 04, April-2020	International	Akshat Dalmia
		International	Abhishek Raj Chowdary

Academic year: 2018-19

Title of the Paper Published	Name of the journal	National/ International	Name of the Student
PARKFI: An Innovative Smart Secure and Systematic	JASC JOURNAL,VOLUME VI ISSUE II,FEB-2019 , ISSN NO:	National	K Himaja
		National	P Mounika



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Parking System using unique identification implemented through IOT	1076-5131, Page No:893-897	National	B Yugandhari
		National	N Rebacca
An Ubiquitous Smart Dumpster with User Interface Implemented using Sensors and Arduino UNO	JASC JOURNAL,VOLUME VI, ISSUE II,FEB-2019, ISSN NO: 1076-5131, Page No:898-901	National	K Himaja
		National	P Mounika
		National	B Yugandhari
		National	N Rebacca

Table 2.2.3 C Projects related to industry done by students

Published by :
<http://www.ijert.org>

International Journal of Engineering Research & Technology (IJERT)

ISSN: 2278-0181

Vol. 9 Issue 04, April-2020

The New Era of Full Stack Development

Intoduction of Cloud and It's Impacts

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Information Technology Department
Vidya Jyothi Institute of Technology
Hyderabad, India

2nd Abhishek Raj Chowdary
Information Technology Department
Vidya Jyothi Institute of Technology
Hyderabad, India

Abstract—This is a concise study of the evolution of the full stack development due to advancement of technology and the introduction of cloud. It helps give you a better understanding of what full stack development was and how full stack development evolved, it shows a take on the fact that full stack development is not dead and has just evolved to better accommodate the user's needs.

A. Keywords

Full Stack Development, Cloud Computing, Networking Model, Full Stack Developer, Front-end Development, Back-end Development, Stack, Cloud, API, Development

B. Abbreviations and Acronyms

Graphical User Interface(GUI), Hypertext Markup Language (HTML),Cascading Style Sheets (CSS), Syntactically Awesome Style Sheet (SASS), Application Program Interface (API), Personal Home Page(PHP), Representational State Transfer (REST), Transmission Control Protocol/Internet Protocol (TCP/IP), Hypertext Transfer Protocol (HTTP), Open System's Interconnection (OSI), Linux, Apache, MySQL, PHP (LAMP), Windows, Apache, MySQL, PHP (WAMP), Cross Platform, Apache, MariaDB, PHP, Pearl (XAMPP), International Organization for Standardization (ISO), Hypertext Transfer Protocol Secure (HTTPS), Transmission Control Protocol (TCP),

Intranet. The web development process includes web design, web content development, client-side/server-side scripting and network security configuration, among other tasks. It could involve the development of static webpages to various applications for a website.

A. Front-end Development

Front-end development is how design gets implemented on the web. The pages of a website are a sum of layers—structure, data, design, content, and functionality. In other words, Front-end is the part of the website where users can see and interact with the graphical user interface (GUI) and the command line which includes the design, navigation menus, texts, images, videos, etc.

Some of the Front-end Languages include HTML, CSS, JavaScript, etc. and some of the Front-end Frameworks and Libraries include AngularJS, React.js, jQuery, SASS, etc. [1]

B. Back-end Development

Back-end Development refers to server-side development. It is the term used for the behind-the-scenes activities that occur when performing any action on a website.

In other words, it is the portion of software that does not come





PARKFI: An Innovative Smart Secure And Systematic Parking System Using Unique Identification Implemented Through IOT

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Abstract— In the era of modernization, smart city is the buzz which is easily achievable through Internet of Things. Smart solutions for dwelling problems are being proposed by the upcoming engineers. The life style of citizens has changed drastically over past few years. Miles of distances have become minutes apart. Many efficient vehicles are being manufactured daily, to bring the cities close to

An Ubiquitous Smart Dumpster with User Interface Implemented Using Sensors and ARDUINO UNO

Himaja.K^{#1}, Mounika.P^{#2}, Rebecca.N^{#3}, Yugandhari.B^{#4}, Lavanya.K^{#5}.

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Abstract— In this growing world having a check on minute details in our vicinity is at task. However, they need to be acknowledged and problems need to be solved. The most diseases borne area in our vicinity is an open garbage bin. Though we find garbage bins in every nook and corner of the city that maintain the city clean, the question is how well they are maintained, how quickly they are emptied, when full. This can be successfully achieved through Internet of Things(IoT) in an economical and an efficient way. In this paper we present a simple yet efficient IoT based solution –‘The Smart Dumpster’to the problem faced by overflowing of a garbage bin. The proposed solution automates the garbage bin when full, which will inhibit the diseases spreading from an overflowing garbage bin. The paper also discusses the flaws in the existing IoT based dumpsters and an easy fix for them. The possible



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AND COMPUTATIONS

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An ISO : 7021 - 2008 Certified Journal
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Address : H.NO: C-72, Gali No: 3, Hardev Nagar, Jharoda, Burari, New Delhi - 110084

CERTIFICATE OF PUBLICATION

This is to certify that the paper entitled

"PARKFI: AN INNOVATIVE SMART SECURE AND SYSTEMATIC PARKING SYSTEM USING UNIQUE IDENTIFICATION IMPLEMENTED THROUGH IOT"

Authored by
Yugandhari. B

From
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DOI : 16.10089/JASC



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N. Balasubramanian
Dr. N. BALASUBRAMANIAN
Editor-In-Chief
JASC
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5.8
IMPACT FACTOR



ISO
International
Organization for
Standardization
7021-2008

Figure 2.2.3C Proofs of above awards



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D. Process of monitoring and evaluation (in each review):

Review-I

Sl.No.	Performance Indicator	Marks
1	Understanding background and topic	3
2	Specific Project goals	2
3	Literature Survey	2
4	Project Planning	4
5	Presentation skills	4

Review-II

Sl. No.	Performance Indicator	Marks
1	Specific Project goals	2
2	Specific the testing platforms and bench mark systems	3
3	Project Planning	2
4	Technical Design	3
5	Summary of the findings of Project	2
6	Presentation skills	3

Review- III

Sl.No.	Performance Indicator	Marks
1	Abstract	2
2	Research Methodology	4
3	Results obtained and performance Evaluation	5
4	Pre-final draft of entire project	5
5	Presentation skills	4

Table 2.2.3D List of monitoring and evaluation of reviews



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IV Year Main Project Time Line

No	Week nos. from the Academic Calendar	Week 1 16 th – 14 th Dec	Week 2 23 rd – 28 th Dec	Week 3 30 th Dec – 4 th Jan	Week 5 20 th – 25 th Jan	Week 8 10 th – 15 th Feb	Week 9 17 th – 22 nd Feb	Week 11 2 nd – 7 th Mar	Week 13 16 th – 21 st Mar	Week 14 23 rd – 28 th Mar	Week 15 30 th Mar – 4 th Apr	Week 17 13 th – 18 th Apr
1	Batch Number Submission	20 th Dec										
2	Synopsis Submission		23 rd Dec									
3	Synopsis Presentation		27 th – 28 th Dec									
4	Synopsis Approval			30 th Dec								
5	Allocation of Internal Guide			31 st Dec								
6	Seminar 1				20 th – 22 nd Jan							
7	Mid 1 Exams					10 th – 15 th Feb						
8	Seminar 2						17 th – 19 th Feb					
9	Seminar 3							2 nd – 4 th Mar				
10	Demonstration & Execution								16 th – 21 st Mar			
11	Project Report Draft Submission									25 th Mar		
12	Project Report Draft Approval									27 th Mar		
13	Final Project Report Submission										31 st Mar	
14	Mid 2 Exams											13 th – 17 th Apr
15	Final Presentation *											20 th Apr

* will be informed.

Signature

Signature



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2006-2018-19

PROJECT REVIEW INTERNAL MARKS

S.No	RLT.NO	NAME OF THE STUDENT	PROJECT TITLE	Review 1	Review 2	Review 3	Total
1	15911A1201	A NAGA HAARIKA CHOWDHARY	SPSIM: A Super Pixel-based SIMilarity Index for Full-reference Image Quality Assessment	14	13	18	45
2	15911A1202	ADDANKI NAVYA	Robust Big Data Analytics for Electricity Price Forecasting in the Smart Grid	13	13	18	44
3	15911A1203	AGAM LAXMAN GOUD	Nonintrusive Smartphone User Verification Using Anonymized Multimodal Data	14	14	12	40
4	15911A1204	AGAM RAMU GOUD	Unauthorized Access Point Detection Using Machine Learning Algorithms for Information Protection	14	14	19	47
5	15911A1205	ALLA VENKAT REDDY	Automatic Diagnosis with Efficient Medical Case Searching Based on evolving Graphs	13	13	18	44
6	15911A1206	ANKAM KALYAN	SPSIM: A Super Pixel-based SIMilarity Index for Full-reference Image Quality Assessment	12	10	16	38
7	15911A1207	AVUTHU SARITHA	Diabetic Analysis using BigData & hadoop	13	13	18	44
8	15911A1208	BOTSA JAYALAXMI	Mining Competitors from Large Unstructured Datasets	14	15	20	49
9	15911A1209	BUCHANNA GARI KALYAN REDDY	A Three-Layer Privacy Preserving Cloud Storage Scheme based on Computational Intelligence in FOG Computing	13	14	19	46
10	15911A1210	BUKKA MANISHA	Mining facets for queries by using knowledge bases	10	13	19	42
11	15911A1211	BURRA ANUSHA GOUD	Robust Big Data Analytics for Electricity Price Forecasting in the Smart Grid	13	13	18	44
12	15911A1212	CHILUKURI LAKSHMI TEJASWI	Diabetic Analysis using BigData & hadoop	14	14	20	48
13	15911A1213	CHITHANOORI SREEJA	Cyberbullying Detection Based on Semantic-Enhanced Marginalized Denoising Auto-Encoder	15	14	19	48
14	15911A1214	DEVULAPALLY ARAVIND REDDY	Advance Surveillance Robot over IoT	12	12	16	40

Figure 2.2.3D Schedule and Marks allotted for each review

E. Process to assess individual and team performance

Rubrics stated below are used to grade and categorize the projects according to different levels.

Rubrics of Project Evaluation

S.NO	Criteria	LEVEL (Level : 3 Excellent Level :2 Good Level : 1 Poor)	
1	Oral Communication	3	Student speaks in phase with 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 among 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



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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
		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	3	Student uses appropriate methods, techniques to model and solve the problem



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	core		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 also 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 multidisciplinary projects
		1	Student fails to model the problem and also fails to solve the problem in the context of multidisciplinary projects

Table 2.2.3E Rubrics for Project

- Project progress seminars are conducted once in every month by the team of their respective guide, a Professor Cadre faculty, an Associate Professor and an Assistant Professor.
- The project seminar should be given by all the project team members.
- Each student in the project team is assessed to their skill set to deliver the seminar, explain the concept and way to make project assess team to understand their work.
- Each individual and team performance is purely based on this project seminar presentation and the viva voice and progress work they show to their guide.

F. Quality of completed projects/working prototypes (5)

- Final project demo for the working prototype and the report are evaluated by a team of their respective guides, a Professor Cadre faculty, an Associate Professor and an Assistant Professor.
- The projects are evaluated and are awarded internal assessment marks for maximum 100 and are graded according to the project contribution towards attainment of POs and PSOs.

Best Projects (2020-2021)



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Rank	Project Title	Roll Number	Name	Relevance to POs & PSOs
1	AR SIKSHA	17911A1241	P. Pallavi	PO1-PO12 PSO1, PSO 2
		17911A1257	V. Swathi	
		17911A1201	A. Sanjana	
2	Cascaded DL Classifier for Diagnosis of Covid 19 and Pneumonia in X-Ray	17911A1242	P. Sowmya Sree	PO1-PO12 PSO1, PSO 2
		16911A1255	Sushma. G	
3	Credit Card Data Fraud Detection	17911A1228	K. Sai Vardhan	PO1-PO12 PSO1, PSO 2
		17911A1233	M. Anil Kumar	
		17911A1227	K. Hemanth	

Best Projects (2019-2020)

Rank	Project Title	Roll Number	Name	Relevance to POs & PSOs
1	Campus Zone – INTERACT	16911A1235	M.V.Roshan	PO1-PO12 PSO1, PSO 2
		16911A1257	V.ShivaKrishna	
		16911A1212	E. Shiva Kumar	
2	A Smart Emergency Alert System using Internet of Thing	16911A1242	N.RebeccaAiswarya	PO1-PO12 PSO1, PSO 2
		16911A1250	P.Mounika	
3	Detection and Classification of Rice Leaf Diseases Using Multiclass Deep Convolutional Neural Networks	16911A1219	G.Anuhya	PO1-PO12 PSO1, PSO 2
		16911A1224	K.Himaja	
		16911A1205	B.Divya	
4	College Enquiry Chat Bot	16911A1248	P.ShivaTeja	PO1-PO12 PSO1, PSO 2
		16911A1213	G.Siddharth	
		16911A1252	S.SaiSiddhartha	

Best Projects (2018-2019)

Rank	Project Title	Roll Number	Name	Relevance to POs & PSOs
1	Attendance using Face Recognition	15911A1227	K KAravind	PO1 - PO12



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		15911A1249	N.Sai Prasad	PSO1, PSO 2
		15911A1258	VidhiAlpesh Kumar	
2	Live Meeting	15911A1233	K.PrabhuSai	PO1-PO12 PSO1, PSO 2
3	Driver Drowsiness Monitoring System using Virtual Behaviour and Machine Learning	15911A1237	M.Vijay Chand	PO1-PO12 PSO1, PSO 2
		15911A1238	K.Manideep	
		15911A1250	S.Nikhilesh Kumar	

Best Projects (2017-2018)

Rank	Project Title	Roll Number	Name	Relevance to POs & PSOs
1	Smart Home using IoT	14911A1208	B.Ramyasri	PO1-PO12 PSO1, PSO 2
2	A Credibility Analysis system for accessing Information on Twitter	14911A1204	AbhishekChowhan	PO1-PO12 PSO1, PSO 2
		14911A1212	D.Nikhil Reddy	
		14911A1241	R.Santosh	
3	Towards Detecting Compromised account Social Networks	14911A1211	B.K Keerthi	PO1-PO12 PSO1, PSO 2

Table 2.2.3F List of Best projects

G. Evidence of Awards received by Projects etc.:

List of Awards gained for 4 years:

Table 2.2.3G List of awards gained



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S.No	Academic Year	Number of the students	No of Awards
1	2020-21	27	-
2	2019-20	66	2
3	2018-19	38	2
4	2017-18	57	5

List of student's participation in Industry events:

Academic Year : 2020-21						
S.No	Student Name	Event	Organizer/Venue	National/ International	Date	Achievement
1	A RadhaSree	International Cyber Conflicts – The State University of New York	Coursera	International	5-May-20	Participated
2	Y. Sai Manisha	Programming Essentials in Python	Indian Society for Technical Education	National	31-Mar-20	Participated
3	Shaik NayeemahGulfas han	Blue Prism Foundation Training –	Blue Prism University	International	22-Aug-20	Participated
4	Balram Mishra	Skill Riders	Skill Riders	National	30-Jan-21	Participated
5	A RadhaSree	Programming with Python	Internshala Trainings	National	3-Sep-20	Participated
6	Shaik Chandbasha	Skill Riders	Skill Riders	National	30-Jan-21	Participated
7	Shaik NayeemahGulfas han	Professional – Level 1 in MS Word Shortcut Keys	Rank Sheet Certificate	National	7-Oct-20	Participated
8	Gaikwad Mohini	I-Connect Leadership Development Program	Online AISSMS Institute of Management, Pune	National	3-Jul-21	Participated
9	A RadhaSree	AI For Everyone – deeplearning.ai -	Coursera	International	24-Apr-20	Participated
10	Vella Likhitha	Programming Solving (Basic)	Hacker Rank	National	9-Jun-21	Participated
11	Balram Mishra	Data Science with Python - Tryst	IIT Delhi	National	06-Jul-2021 to 26 th Aug-2021	Participated



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12	SunigantiPravalika	Data Structures in C	Great Learning Academy	National	21-Aug	Participated
13	Vella Likhitha	Python (Basic)	Hacker Rank	National	9-Jun-21	Participated
14	Suniganti Pravalika	– Free Microsoft Excel Training	Master of Project Academy	International	9-Aug-21	Participated
15	Vella Likhitha	Data Science – Internship Programme	Exposys – Data Labs, Bengaluru	National	16-May-2021 to 11-Jun-2021	Participated
16	A Radha Sree	Beginner Track – Throuh Google AI & Explore ML	Google	National	2-Mar-20	Participated
17	Balram Mishra	Data Science with Python	IIT Delhi	National	06 th Jul-2021 to 26 th Aug-2021	Participated
18	D. Kshitij	Programming Fundamentals through Google Developers	Google Developers	International	10-Dec-20	Participated
19	A Radha Sree	Data Science-Exposys	Data Labs, Bengaluru	National	16-May-2021 to 11-Jun-2021	Participated
20	Yerra Sai Manisha	Professional – Level 2 in C	RankSheet	International	2-Nov-20	Participated
21	A RadhaSree	Intermediate Track – Google AI & Explore ML	Google	International	2-Jul-20	Participated
22	DantuSw eta	Capture the Flag –	Hult Prize IIM, Calcutta	National	16-Jul-21	Participated
23	GaikwardMohini	TCSION carrereadge young professionals	TCS	National	14-April 21	Participated
24	G Mohini	Programming Essentials in Python	Indian Society for Technical Education	National	17-feb 21	Participated
25	A RadhaSree	Programming Essentials in Python	Indian Society for Technical Education	National	10-March-20	Participated
26	Brivani	Information to cyber security-CISCO N\W	CISCO	International	21-june-20	Participated



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27	Srivani	Programming Essentials in C++	CISCO	National	13-March-20	Participated
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Academic Year : 2019-20						
S.No	Student Name	Event	Organizer/Venue	National/International	Date	Achievement
1	A Sai Nikhil	Advance Ethical Hacking Workshop	Birla Institute of Technology, Hyderabad	National	27-Jan-20	Winner
2	Akshat D	Advance Ethical Hacking Workshop	Birla Institute of Technology, Hyderabad	International	27-Jan-20	Winner
3	Shaik NayeemahGulifashan	Chemistry in Everyday Life	Govt. Degree College for Women, Hyderabad	National	27-May-20	Participated
4	K Shravya	AWS IoT	Madblocks	National	29-Aug-20	Participated
5	Vella Likhitha	Introduction to IoT – Cisco Networking Academy	CISCO	International	23-Mar-20	Participated
6	D Kshitij	IT Basics Certification through	Google Developers	International	17-Apr-20	Participated
7	Y. Sai Manisha	Programming Essentials in Python	CISCO	National	28-Oct-19	Participated
8	A RadhaSree	Programming Essentials in Python	CISCO	National	28-Oct-19	Participated
9	Shaik NayeemahGulifashan	Satellite Communications – Potti Sri RamuluChalavadiMallikarjuna College of Engineering & Technology, Vijayawada	CISCO	National	21-Jun-20	Participated
10	Vella Likitha	AI For Everyone	Coursera	International	25-May-20	Participated
11	EmmadiSrivani	Programming Essentials in C	CISCO	National	14-Feb-19	Participated
12	Shaik NayeemahGulifashan	Cloud Security	IEEE Continuing Education	International	30-Apr-20	Participated
13	D Kshitij	C Advanced	Google	International	7-Mar-20	Participated



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		Certification through Google Developers	Developers			ed
14	Abishek Raj C	Artificial Intelligence	Birla Institute of Technology, Hyderabad	National	27-Jan-20	Participated
15	D Kshitij	IUCEE AI	Google Developers	International	17-Apr-20	Participated
16	Shaik Nayeemah Gulshan	Covid-19 Awareness Quiz	KLE College of Engineering & Technology, Chikodi	National	22-May-20	Participated
17	Emmadi Sai Srivani	Programming for Everybody (Getting Started with Python)	Coursera	International	29-Apr-20	Participated
18	D Kshitij	C Certification through Google Developers	Google Developers	International	24-Feb-20	Participated
19	Nikhitha Reddy Ashannagar	Cisco Codathon	CISCO	International	17-Apr-20	Participated
20	Siddartha Thadikonda	Programming Essentials in C	CISCO	National	20-Apr-20	Participated
21	Giddalapati Vaishnavi	Data Science-Internshala	Internshala	National	10-Nov-19	Participated
22	Shaik Nayeemah Gulshan	Cryptography Fundamentals – IEEE Continuing Education, New York State	IEEE Continuing Education, New York State	National	30-Apr-20	Participated
23	Emmadi Sai Srivani	Introduction to HTML5 - University of Michigan	Coursera	International	29-Apr-20	Participated
24	Siddartha Thadikonda	Networking Essentials-Cisco Networking Academy	CISCO	International	29-Feb-20	Participated
25	Vella Likitha	Introduction to HTML5 – Michigan University – Coursera	Coursera	National	5-Jan-20	Participated
26	D Kshitij	HTML Certification through Google Developers	Google Developers	International	18-Apr-20	Participated
27	Anvesh	Tasvir-Spikes20	Visakhapatnam	National	26 -29 Feb 2020	Participated
28	Shaik	Data Security in the	IEEE Continuing	International	30-Apr-20	Participated



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	NayeemahGu lfashan	Cloud – IEEE Continuing Education, New York State	Education, New York State.			ed
29	D Kshitij	Social Media marketing Certification through Google Developers	Google Developers	International	26-Apr-20	Participat ed
30	Y. Sai Manisha	Programming Essentials in C	CISCO	National	15-Feb-19	Participat ed
31	Vella Likhitha	Programming Essentials in C++	CISCO	National	3-Mar-20	Participat ed
32	Shaik NayeemahGu lfashan	Information Communication Technology Quiz	MIT Arts, Commerce & Science College, Pune.	National	16-May-20	Participat ed
33	SunigantiPra valika	PCAP: Programming Essentials in Python	– Indian Society for Technical Education	International	30-Mar-20	Participat ed
34	SridharthaTh atikonda	Cisco NetAcad – ISTE National Level CODATHON-2020 – EduSkills	CISCO	International	2020	Participat ed
35	Shaik NayeemahGu lfashan	What is the Internet of Things: An Introduction	IEEE Continuing Education, New York State	International	30-Apr-20	Participat ed
36	Vella Likhitha	Write Professional Emails in English – Georgia Institute of Technology - Coursera	Coursera	International	29-Apr-20	Participat ed
37	Shaik NayeemahGu lfashan	Online Quiz on Digital Learning Resources	MIT Arts, Commerce & Science College, Pune	International	5-Jun-20	Participat ed
38	Vella Likhitha	Programming for Everybody (Getting started with Python) – Michigan University - Coursera	Coursera	International	27-Apr– 2020	Participat ed
39	M. Anjali Reddy	Design & Technical Head Girl Up Deeksha	Girl Up	National	Jul-2020 to Jun-2021	Participat ed
40	Shaik NayeemahGu lfashan	Data Science Math Skills – Duke University	Coursera	International	30-Apr-20	Participat ed
41	SunigantiPra	Master of Project	Master of Project	National	20-Aug	Participat



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	valika	Academy – FREE Ethical Hacker Training	Academy			ed
42	SiddarthaTha tikonda	Programming Essentials in Python	Indian Society for Technical Education	National	10-Mar-20	Participat ed
43	Vella Likhitha	PCAP: Programming Essentials in Python – Indian Society for Technical Education	Indian Society for Technical Education	National	8-Mar-20	Participat ed
44	Shaik NayeemahGu lfashan	Communication Skills	Govindrao Wanjari College of Engineering & Technology, Nagpur	National	30-May-20	Participat ed
45	KonduriSaiva rdhan	Cisco NetAcad - ISTE National Level CODATHON – 2020 - EduSkills	CISCO	International	20-Mar	Participat ed
46	Vella Likhitha	Cracking the Creative Code: Discovering Ideas- TechnionIsreal Institute of Technology-Coursera	Coursera	International	16-May – 2020	Participat ed
47	KonduriSaiva rdhan	Architecting with Google Compute Engine	Google Cloud Training - Online	International	25-Sep-19	Participat ed
48	Shaik NayeemahGu lfashan	Cellular Mobile Communications	Potti Sri RamuluChalavadi Mallikarjuna College of Engineering & Technology, Vijayawada.	National	20-Jun-20	Participat ed
49	Shaik NayeemahGu lfashan	Perfect Tenses and Modals – UCI Division of Continuing Education - Coursera	Coursera	International	22-May-20	Participat ed
50	Yerra Sai Manisha	Programming Essentials in C++	CISCO	National	8-Apr-20	Participat ed
51	Gaikwad Mohini	Covid-19 Awareness Program	Thiagarajar College of Engineering, Madurai.	National	7-Jun-20	Participat ed
52	VukkalkerNa	Introduction to	CISCO	International	22-Aug-20	Participat



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	ndini	Cybersecurity – Cisco Networking Academy				ed
53	Shaik NayeemahGu lfashan	Space Communication & Technology,	Kamala Institute of Technology & Science, Huzurabad.	National	01-Jun-2020 to 04-Jun-2020	Participat ed
54	AnumuVenk ataRamana	Python 101 for Data Science – Cognitiveclass.ai	Cognitive class	National	3-Jun-20	Participat ed
55	A RadhaSree	Cisco NetAcad – ISTE National Level CODATHON-2020	Cisco Networking Academy- EduSkills	National	22-03-2020	Participat ed
56	Shaik NayeemahGu lfashan	COVID-19 Pandemic General Awareness	Chandigarh Group of Colleges, Mohali.	National	25-Apr-20	Participat ed
57	A RadhaSree	Introduction to Cyber Security	CISCO	National	15-Dec-19	Participat ed
58	P. Mounika	Telangana State Smart City Hackathon 2018	TASK	National	Dec-18	Participat ed
59	Yerra Sai Manisha	Operations/Support Engineering – Cloud Computing 101 – AWS Educate	AWS Educate Support	National	24-Sep-19	Participat ed
60	Shaik NayeemahGu lfashan	Digital System Design	Holy Mary Institute of Technology & Science,Hyderabad	National	31-May-20	Participat ed
61	DantuSweta	IUCEE AI for All – Indo Universal Collaboration for Engineering Education	IUCEE	International	September to November-2020	Participat ed
62	Shaik NayeemahGu lfashan	Electrical Safety	Joginpally B.R Engg. College, Hyderabad	National	28-May-20	Participat ed
63	P. Mounika	PARKFI: An Innovative Smart Secure & Systematic Paking System using Unique Identification Implemented through IOT – JASC	K G REDDY Engg. College, Hyderabad.	National	Feb-19	Participat ed
64	P. Mounika	EPAM India's IT Vacation Program – EPAM	EPAM	National	22-Jun-19	Participat ed
65	P. Mounika	An Ubiquitous Smart	JASC	National	Feb-19	Participat ed



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		Dumpster with User Interface Implemented using Sensors & Arduino Uno – JASC				ed
66	Srivani Emma di	Programming Essentials in C++	CISCO	National	27 th Oct 19	Participated

Academic Year : 2018-19						
S.No	Student Name	Event	Organizer/Venue	National/International	Date	Achievement
1	K Himaja	IOT Challenge 2019	Anurag Group of Institutions, Hyderabad.	National	10 July-2018	Got selected to higher level
2	K Himaja	Tekhack-AGI	Anurag Group of Institutions, Hyderabad.	National	7-9 Jan-2019	Runner Up
3	Amith Reddy Mandumula	HACKIN-CITY	Ataalbihar Vajpayee Indian institute of information Technology Gwalior, Madhya Pradesh	National	8-Feb-19	Participated
4	K Himaja	Tekhack-AGI	Anurag Group of Institutions, Hyderabad.	National	7-9 Jan-2019	Participated
5	P.Anirudh	Hackathon	Madhya Pradesh	National	7-Feb-19	Participated
6	P. Sungandhini	Augmented Reality and Virtual Reality - ArchiMaze	ArchiMaze	National	28 - 29 Sep-2018	Participated
7	Y. Vaishnavi	Augmented Reality and Virtual Reality - ArchiMaze	ArchiMaze	National	28 - 29 Sep-2018	Participated
8	P. Mounika	Augmented Reality and Virtual Reality - ArchiMaze	ArchiMaze	National	28 - 29 Sep-2018	Participated
9	Rebecca N	International Conference on	K G Reddy College of	National	20-21-Dec-2018	Presented



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		Communication and Advanced Computing-2018(ICOCAC-2018)	Engineering, Hyderabad.			
10	M Sneha	Youth speak forum-2018	BITS Pilani, Hyderabad	National	30-Sep-18	Participated
11	P. Mounika	IoT Hackathon Event	Talentio, Hyderabad	National	28-Jul-18	Participated
12	Vella Likhitha	Programming with Python – Internshala Trainings	Internshala	National	06 Weeks	Participated
13	Y. Priyanka	Augmented Reality and Virtual Reality - ArchiMaze	ArchiMaze	National	28 - 29-Sep-2018	Participated
14	M. Surekha Reddy	PHP & MySQL test – Spoken Tutorial Project, IIT Mumbai	IIT Mumbai	National	26-Jun-19	Participated
15	D. Vedanth	NDG Linux Unhatched Course – Cisco Networking Academy	CISCO	National	16-Apr-19	Participated
16	Mohammed Adil	Introduction to Data Science – COGNITIVE CLASS.ai	COGNITIVE CLASS	National	30-Jun-19	Participated
17	P. Pravalika	NDG Linux Unhatched Course – Cisco Networking Academy	CISCO	National	19-Apr-19	Participated
18	PolasaniMounika	Qlik Sense business Analyst – Qlik Q	Qlik Q	National	Feb-19	Participated
19	N. Rebecca	Python 3 Tutorial Course	CISCO	National	3-Nov-18	Participated
20	K. Himaja	Augmented Reality and Virtual Reality - ArchiMaze	ArchiMaze	National	29-Sep-18	Participated
21	D. Vedanth	Tech Intern – Edubuk Trust	Edubuk Trust	National	10 th Jan – Mar-2019	Participated
22	NalimelaMad	NDG Linux	CISCO	National	19-Apr-19	Participated



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	husha	Unhatched Course – Cisco Networking Academy				
23	PolasaniMoun ika	HTML5 Application Development Fundamentals – Microsoft Technology Associate	Microsoft Technology Associate	National	30-Jul-18	Participated
24	M. Sneha	PWD Volunteer at Parliament Constituency General Elections LOK SABHA - 2019	District Election Officer, Hyderabad	National	11-Apr-19	Participated
25	D. Vedanth	Excel & Advanced Excel – Rootcad Technologies	Rootcad Technologies	National	5 th Jan to 8 th Feb- 2019	Participated
26	P. Pravalika	PHP and My and MySQL Test – IIT Bombay	IIT Bombay	National	26-Jun-19	Participated
27	M. Surekha Reddy	HTML5 Application Development Fundamentals – Microsoft Technology Associate	Microsoft Technology Associate	National	30-Jul-18	Participated
28	Nalimela Madhusa	PHP and My and MySQL Test – IIT Bombay	IIT Bombay	National	26-Jun-19	Participated
29	P. Mounika	PARKFI: An Innovative Smart Secure and Systematic Parking System using unique identification implemented through IOT	KG Reddy College of Engg., & Technology	National	20 th – 21 st Dec-2018	Participated
30	N. Rebecca	PHP and MySQL Test - IIT Bombay	IIT Bombay	National	26-Jun-19	Participated
31	M. Surekha Reddy	Qlik Sense Business Analyst Qualification –	Qlik Q	National	Feb-19	Participated



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		QlikQ				
32	M. Surekha Reddy	Winkwal-Game Developer	Game Developer	National	2 nd , 4 th & 16 th – March-18	Participated
33	M. Surekha Reddy	Promef-EUF	Microsoft Technology Associate	National	27 th & 28 th – March 2018	Participated
34	D.Vedansh	Programming in C,C++	CISCO	National	25 th July-17	Participated
35	D.Vedansh	Python A-Z full begin	CISCO	National	26 th May-18	Participated
36	P.Pravalika	Augmented Reality and Virtual Reality – ArchiMaze	ArchiMaze	National	Sep-18	Participated
37	N.Madhusa	Augmented Reality and Virtual Reality - ArchiMaze	ArchiMaze	National	Sep-18	Participated
38	Rebaca	Game Development	Game Developer	National	March-18	Participated

Academic Year : 2017-18

S.No	Student Name	Event	Organizer/Venue	National/International	Date	Achievement
1	P Reethika	Reliant Vision	Hyderabad	National	8 th Jan-2018	Star Performer
2	Alamder D	Reliant Vision	Hyderabad	National	8 th Jan-2018	Star Performer
3	Niharika Thakur	Coder in Hackathon	Suntek Corp	National	4 th Dec-2017	Outstanding Performance
4	M Rajitha	iMake:IOT Makers Space, Task & Hyse a	Hyderabad	National	Jun-2016 to Nov-2017	Outstanding Performance
5	M Haritha	Suntek Corp - A Code Mastu Event	Hyderabad	National	4 th Dec-2017	Outstanding Coder
6	Prabhusai K	Mechanica, Campus Ambassador	IIT Madras	National	2017-2018	Participated
7	Haarika Chowdhary	Yo Grad, Airtel Hyderabad Marathon	Hyderabad	National	2017-2018	Team Leader
8	A Naga Haarika Chowdhary	Street Cause	Hyderabad	National	1 st April, 2018	Participated



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9	Ranjith K	Quest 2018	JNTUH	National	14-15th-Mar-2018	Participated
10	Sai Chandra Jaina	Quest 2018	JNTUH	National	14-15th-Mar-2018	Participated
11	Sai chandra J	Web Development	Udemi	National	23rd Feb-2018	Participated
12	Ranjith K	Web Development	Udemi	National	23rd Feb-2018	Participated
13	Manisha Bukka	Workshop on Facebook	IIT Hyderabad	National	9-10th Feb-2018	Participated
14	Niharika T	Workshop on Facebook	IIT Hyderabad	National	9-10th Feb-2018	Participated
15	Haritha M	Workshop on Facebook	IIT Hyderabad	National	9-10th Feb-2018	Participated
16	L Ramkumar	Workshop on Facebook	IIT Hyderabad	National	9-10th Feb-2018	Participated
17	K Madhuri	Workshop on Facebook	IIT Hyderabad	National	9-10th Feb-2018	Participated
18	HaarikaChowdhary	Workshop on Facebook	IIT Hyderabad	National	9-10th Feb-2018	Participated
19	Prabhusai K	Cloud Computing - Elite - NPTEL	NPTEL	National	Feb - Mar-2018	Participated
20	Kadam Ranjith	Ethical Hacking & Cyber Security Workshop	Osmania University,Hyd	National	2-3rd Feb-2018	Participated
21	HaarikaChowdhary	Ethical Hacking & Cyber Security Workshop	Osmania University,Hyd	National	2-3rd Feb-2018	Participated
22	J Saichandra	Ethical Hacking & Cyber Security Workshop	Osmania University,Hyd	National	2-3rd Feb-2018	Participated
23	L Ramkumar	Ethical Hacking & Cyber Security Workshop	Osmania University,Hyd	National	2-3rd Feb-2018	Participated
24	K Madhuri	Ethical Hacking & Cyber Security Workshop	Osmania University,Hyd	National	2-3rd Feb-2018	Participated
25	MohitChokda	SOLOLEARN	Udemi	National	16 th Jan-2018	Course Completion
26	LaxmanSahith	ISF-Street Cause	Vadodara, Gujarat	National	6 th Jan-2018	Organizer
27	Anirudh P	5 th Indian student Forum (SPEED)	Vadodara, Gujarat	National	4 th -6 th Jan-2018	Participated
28	M Amith Reddy	5 th Indian student Forum (SPEED)	Vadodara, Gujarat	National	4 th -6 th Jan-2018	Participated
29	SagarTivari	5 th Indian student Forum (SPEED)	Vadodara, Gujarat	National	4 th -6 th Jan-2018	Participated



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30	E Sainath Reddy	DoEdu IT Educations	DoEdu IT Educations	National	4 th Jan-2018	Participated
31	Yugandhari	E-Cell DTU	Delhi	National	17-Dec	Participated
32	Mohd.Adil	Database Management-Certification Course	Udemy	National	30 th Dec-2017	Participated
33	E Sainath Reddy	DoEdu IT Educations	DoEdu IT Educations	National	24 th Dec-2017	Participated
34	M Haritha	Suntek Corp	Hyderabad	National	27 th Nov-8 th Dec-2017	Training
35	B.Yugandhari	Campus Crew	Hyderabad	National	25 th Nov-2017	Participated
36	Mohd.Adil	Published a Book on Amazon	Amazon	National	28 th Oct-2017	Published
37	E Sainath Reddy	Cambridge English Language Assessment	Bangalore	National	26 th Oct-2017	Qualified
38	B.Yugandhari	Internshala	Delhi Technological University	National	18 th Oct-2017	Campus Ambassador
39	P. Mounika	Symposium on Emerging Technologies -	JNTU, Hyderabad	National	23-Feb-18	Participated
40	B.Yugandhari	Internshala	IIT Hyderabad-ELAN&NVISION'18	National	3 rd Oct-2017	Campus Ambassador
41	M Haritha	Cambridge English Language Assessment	Bangalore	National	17-Oct	Qualified
42	L Ram Kumar	Workshop on Automation using Cloud Computing and A.I	IIT Hyderabad	National	23-24th Sep-2017	Participated
43	Ravikanti Santhosh	Save the Young Heart 5K Run	Hyderabad	National	24 th Sep-2017	Participated
44	K Himaja	ELAN&NVISION	IIT Hyderabad	National	23 rd -24 th Sep-2017	Participated
45	Vidhi Shah	ELAN&NVISION	IIT Hyderabad	National	23 rd -24 th Sep-2017	Participated
46	P Reethika	Step Up at Deloitte	Hyderabad	National	22 nd Sep-2017	Participated
47	B.Yugandhari	Tech Fest 2017	JNTU, Hyderabad	National	17 th -18 th Sep-2017	Participated
48	B.Yugandhari	Data Intense Text	JNTU,	National	17 th -18 th	Participated



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		Processing using BIGDATA	Hyderabad		Sep-2017	
49	A Naga Haarika Chowdhary	Technolites-17	Vardhaman College of Engg.,	National	15-16th Sep-2017	Participation
50	R Santhosh	Hyderabad Marathon	Hyderabad	National	2017	Participated
51	Ravikanti Santhosh	YO!Grad	Hyderabad	National	22 nd Aug-2017	Team Leader
52	R Santhosh	NSS-Haritha Haram	Hyderabad	National	29 th Jul-2017	Participated
53	Hari Krishna	JNTU Excite 2K17	Hyderabad	National	20 th May-21 st Jul-2017	Presented
54	M Rajitha	JNTU Excite 2K17	Hyderabad	National	20 th May-21 st Jul-2017	Presented
55	Mohammed Adil	IBM Block Chain Essentials – IBM	IBM	International	25-Jun-18	Participated
56	Himaja K	Symposium on Emerging Technologies	Hyderabad	National	23-Feb-18	Participated
57	Sai vardhan	Street cause	Hyderabad	National	1 st April-18	Participated

Figure 2.2.3G List of student participation in Industry events

2.2.4 Initiatives related to Industry Interaction (10)

A. Industry supported Laboratories

The industry supported laboratories develops best learning process using a comprehensive understanding of industry's best practices for both students and faculty. This initiative imbibes professionalism, behavior aspects and awareness about industry expectations and also aligns aspirations of the students with the needs of the industries and promotes career counseling by organizing guidance lectures 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	Qlik Sense is a complete data analytics platform that sets the benchmark



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	in Data Analytics (Qlik)	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, career opportunities

Table 2.2.4A List of Industry Supported Activities

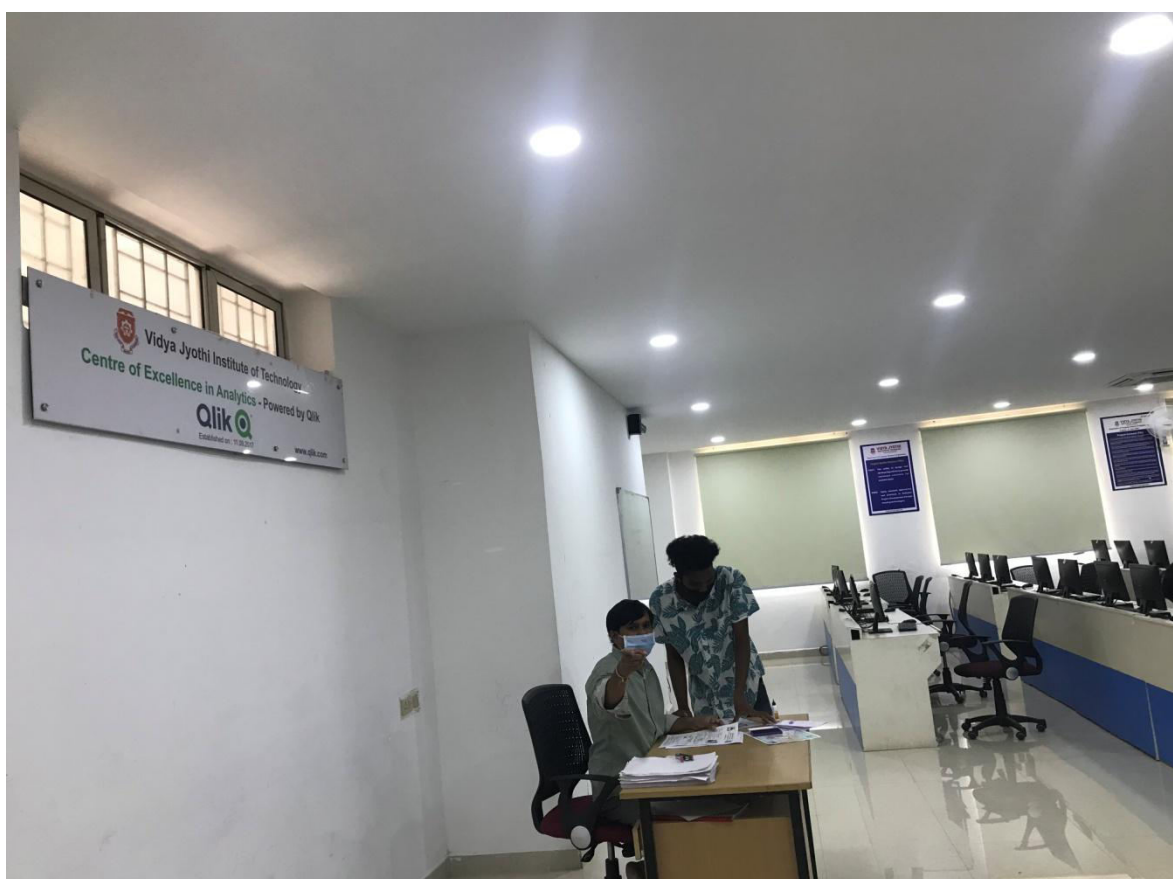


Figure 2.2.4A Industry Supported Laboratory

B. Industry involvement in 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	Devon	Stake holder	2020-21 &



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		Manger	services solutions		2019-20
4	S. Srikanth Raja	Delivery Manager	DBS ASIA	Stake holder	2020-21 & 2019-20

Table 2.2.4B (c) Industry Involvement in the curriculum

C. Industry involvement in partial delivery of any course for students

Courses offered by industry for students

S.No	Event Name	Resource Person	Topic Covered	Courses	POs/PSOs
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

Table 2.2.4C (a) Courses offered by Industry academic year 2020-2021

S.No	Event Name	Resource Person	Topic Covered	Courses	POs/PSOs
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	Software Engineering	PO1-PO12
3	Internal Hackthon 21 Dec 2019	IIC	VJIT organized an 'Internal Hackathon"	Project work	PO1-PO12
4	AI	Mr. Jothi Periasamy, Chief AI Architect,	One- Day Workshop on "Enterprise Artificial Intelligence"	Data Warehousing and Data Mining,	PO1-PO12



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	24-Jan-20	Deepsphere, AI		Machine learning	
5	The J-Hub Hackathon 31 Jan to 1 Feb	Mr. V. Ravi, Product Manager, Tech Mahindra	Two Day workshop on “Energy Conservation and	Project work	PO1-PO12
			Recent Trends”		
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	Environmental studies	PO1-PO4,
				Computer Networks	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”	Environmantal studies	PO1-PO4,
				Computer Networks	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/PSOs
1	Ethical Hacking and Cyber Security 29& 30 sep 2018	Mr. Deepak, CISCO	Two-dayworkshop on Network Security	Information Security, Computer 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”	C Programming	PO1-PO12



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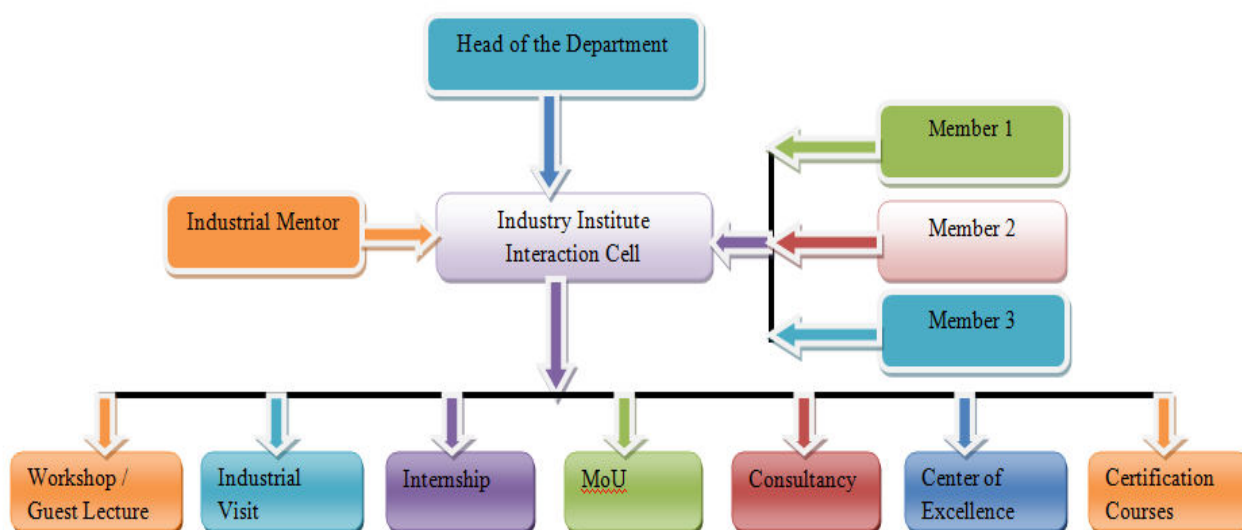
5	Two day Hands on work shop Machine learning” 6 th & 7 th Oct-18	Mr. P Mohan, Senior Data Science Scientist TechMahindra Hyderabad.	Hands on workshop Machine learning”	Data Warehousing and Data Mining, Machine learning	PO1- PO12
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Table 2.2.4(f) Courses offered by Industry academic year 2018-19

D. Impact analysis of industry institute interaction and action taken therefore:

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 has an aim at knowing the industry requirements and for improving the quality of internships and placements. Good number of students registered for internships and eventually got placed in the Companies like Capgemini, Virtusa, ClusterIT, packet pro, Cloud IO, Dhruv Soft, Chegg, Rubicon, Red, Cognizant, Hexaware, Rockwell. The Projects done by students as interns in the industries are real time projects and gave the students an opportunity to experience hand 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 have been conducted for creating internship opportunities and projects for the students as a paving path for placements.

Industry Institute Interaction





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Figure 2.2.4D Industry Institute interaction Cell – organization and functions

The Industry Institute Interaction Cell (IIIC) is established to meet the following objectives:

- To explore and identify common avenues of interaction with industry as per the requirements of the institution.
- To promote closer interaction between the academic and the industries.
- To find out the gap between need of the industry and end product of the institute.

The main functions of the Industry Institute Interaction Cell (IIIC) cell are listed as:

- Identifying the Institute level MoUs and their effectiveness.
- Identifying the Dept. level MoUs and their effectiveness.
- A SWOT analysis based on the above report
- Identifying the missing links.

S. No	NAME	BRANCH
1	Dr. A Padmaja	Principal
2	Mr. Venkata Chalam	Sr. Admin
3	Dr. Siddhartha Ghosh, Professor	Coordinator IIIC
4	Y Praveen Kumar	CSE/Int IC
5	Dr. K. Ramesh Babu, Assoc Professor	CSE
6	Mr. KSRK Sarma	CSE
7	Mrs. S Divya	CSE
8	Mr. B Vikas	AI/H&S
9	Dr. D. B. G. Reddy , Professor	EEE
10	Mr. G Sreenivasa Rao, Assoc. Professor	ECE
11	Mr. G. Ravi Kumar, Asst. Professor	ECE
12	Mrs. A. Jaya Lakshmi, Asst. Professor	ECE
13	Dr. Kamalini Devi, Assoc. Professor.	Civil
14	Mr. A. Devakishan	IT
15	Ms. P. Pavani, Asst. Professor	ME
16	Mr. Shaik Ismail ,Asst. Professor	ME
17	Mr. Arjun	MBA



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18	Shaik Mohd Amoodi	ME
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S.No	Organization	Signed On	MOU Valid Date	Branches	Outcome of the MOU
1	Qlik	11.9.2017	Untill Terminated	CSE,IT,AI	Data Analytics CoE Online Learning & Certification 143 Students and 4 staff are certified by Qlik till date.Faculty Award-1 Students Group Award-1
2	Virtusa	4.7.2019	4.7.2022	CSE,IT,AI	Software Testing -CoE Job,Internship,Guest Lecture, Certification in ISTQB and OJCP Staff Training(3) 55 Students and 3 staff are certified
3	Talent Sprint	9.6.2020	8.6.2025	ALL	Online Learning and Assessment

Table 2.2.5(a): IIIC Committee



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					Platform for all interested 3rd and 4th Year Students Hackathon
4	CISCO	23.7.2018	26.3.2022	ALL	Certification courses and placements
5	GoHexa	25.11.2020	25.3.2021	ALL	Assessment platform for aptitude, Quant, Verbal and Coding. Also offers Software Industry Oriented Assessment Service free of cost. 480 Students of 2017-21 batch and 478 students of 2018 - 22 batch are registered.
6	One Compiler	17.11.2020	17.11.2025	ALL	Online Coding Platform. Students can practice coding in 40+ Languages and Departments can create tests Online.
7	Talentio	10.6.2016	2021	All 3rd and 4th Yr Placement Registered	Training, Assessments, Mentoring. Till Date about 5000 students are trained and mentored. Online Assessment Support.
8	Oracle	3.11.2016	Untill Terminated	CSE, IT	Online Learning Opportunity for students. Till Date : 60
9	Bennette University	27.4.2018	Untill Terminated	CSE, IT	Faculty Training, Workshop for Staff and Students.

Industry is dynamic with vast developments in different areas. The skill development is possible only with the industry institute interaction. Industry academic interaction is an important process which can provide necessary inputs to the academic institute to build competencies required by faculty and students. This will help to educate and prepare students to be future-ready. Based on the growing needs to fight tough competition, department and industry closely interact to create synergies. Based on the inputs given by the Head of the Department, stakeholders & the industry mentor, the department team of IIIC approaches various industries to make MoU. The companies are visited by the department IIIC team with a target of visiting as many companies as possible and converse with the industry people to make MoU.

The MoUs with the industry are made to meet all/any of the following agenda:

- Increase the number of placements and internships.
- Bridging a sound co-ordination with the industry.
- Conduct activities that help in giving a confident output that can face the societal challenges more effectively.
- Increase in consultancies and to receive the research grants and promote research activities in the departments.



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- Increase in effective teaching and learning process.
- Industrial tours organized to bridge the gap between institution and industry.
- Identifying the experts from the industry and conducting guest lecturers, workshops & seminars by them.
- Students to do their mini and main projects at reputed industries for enhancing their technical skills.
- Encourage faculty members to submit research proposals to various research organizations/ public and private sectors.

The Department always maintains a close relation with the industry and academia by entering into the Memorandum of Understanding to provide training on latest technologies to bridge the gap between curriculum and Industrial requirement. The above table is the list of MOU's with industries with whom we are working closely.

2.2.5 Initiatives related to Industry Internship/Summer training(10)

The students are encouraged to take internship during their semester break. Faculty members give guidelines, suggestions, scope and related details of an internship. They also help the students to interact with the industrial experts, provide the students recommendation letters and other necessary support. The alumni coordinator constantly interacts with alumni who are working in the industries and request them to provide necessary guidelines and support for existing students.

A. Industrial training/tours for students (3)

S.No	Academic Year	Batch/year	Name of the company Visited	Date of Visit	No. of Students
1	2019-2020	All Years	INCOIS (Indian National Centre for Ocean Information Service) Hyderabad	14 th March 2020	25
2	2017-18	All Years	INFOSYS	27 th January 2018	50

B. Industrial /internship /summer training of more than two weeks and post training Assessment (4)



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Availed Internships

S NO	ACADEMIC YEAR	NO .OF STUDENT AVAILED INTERNSHIPS
1	2020-2021	51
2	2019-2020	23
3	2018-2019	58
4	2017-2018	31

Academic Year: 2019-20				
S. No	Roll No	Student Name	Company Name	Duration
1	16911A1207	YugandhariBodapati	Amazon	14 th Oct 2019 to 7 th July 2020 8 months
2	16911A1206	AkhileshBegari	Defense (Ordnance factory)	19 th June 2019 to 3 rd July 2019 15 days
3	17911A1213	GiddalapatiVaishnavi	Techno verse	1 st June 2019 to 2 nd July 2019 30 days
4	16911A1224	K Himaja	Rapidbiz	02st Jan 2020 (3-6 months)
5	16911A1260	ZebaHusna	Rapidbiz	02st Jan 2020 (3-6 months)
6	16911A1204	A Vijay Kumar	Rapidbiz	02st Jan 2020 (3-6 months)
7	16911A1208	B Rajkumar	Rapidbiz	02st Jan 2020 (3-6 months)
8	16911A1231	M Sneha	Data Ready	16 th Dec 2019 to 16 th May 2020 (6 months)
9	17911A1228	K SaiVardhan	Exposys	20 th May 2020 to 20 th June 2020 (1 months)
10	18911A1201	Abhishek Raj	Verzeo Internship (1)	07 th May 2020 to 16 th July 2020 (2 months 9 days)
11	18911A1226	H Nandini Singh	Verzeo Internship	01 st June 2020 to 31 st July 2020 (2 months)
12	18911A1255	VellaLikhitha	GustovalleyTechnovations on Industry 4.0	14 Sep 2020 to 14 Oct 2020



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				(1 Month)
13	18911A1255	VellaLikhitha	Phython Programming (Internshala)	25 th July 2020 to 5 th Sep 2020 (6 Weeks)
14	18911A201	Abhishek Raj Chowdary	Verzeo as AI Internship (2)	10 th Aug 2020 to 10 th Sep 2020 (1 Month)
15	18911A1226	H Nandini Singh	GustovalleyTechnovations on Industry 4.0	14 th Sep 2020 to 14 th Oct 2020 (1 Month)
16	18911A1236	Anuhyakotha	GustovalleyTechnovations on Industry 4.0	14 th Sep 2020 to 14 th Oct 2020 (1 Month)
17	18911A1232	HemanvithaKanisetty	GustovalleyTechnovations on Industry 4.0	14 th Sep 2020 to 14 th Oct 2020 (1 Month)
18	18911A1256	Raj NandiniViswakarma	GustovalleyTechnovations on Industry 4.0	14 th Sep 2020 to 14 th Oct 2020 (1 Month)
19	18911A1254	VeeravalliBinduSree	GustovalleyTechnovations on Industry 4.0	14 th Sep 2020 to 14 th Oct 2020 (1 Month)
20	18911A1230	MeherNidhi	Oversoul Software Private Ltd	1 st October 2020 (started) 3 months
21	17911A1240	P Vineeth	Verzeo azure Cloud Computing	1 st August 2020 to 1 st October 2020 (2 Months)
22	17911A1215	Phanindra	Verzeo azure Cloud Computing	1 st August 2020 to 1 st October 2020 (2 Months)
23	17911A1231	Soundrya	Verzeo Web Development	1 st August 2020 to 1 st October 2020 (2 Months)

Academic Year: 2018-19

IV YEAR 2018-19

S.No	Roll No	Student Name	Company Name	Duration
1	15911A1201	Haarika	SpyryTechnolgies	20days
			Middleware Inf.Tech	30 days
2	15911A1202	Navya	BHEL	15 Days
3	15911A1203	A LaxmanGoud	BHEL	20 days
4	15911A1204	A RamuGoud	BHEL	20 days



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5	15911A1207	A Saritha	SK Techsol Engineers PVT LTD	30 days
6	15911A1208	B Jaya Lakshmi	SK Techsol Engineers PVT LTD	30 days
7	15911A1209	B GariKalyan	Azure Skynet	30 days
8	15911A1210	B Manisha	Suntek	30 days
			SK Techsol Engineers PVT LTD	30 days
9	15911A1211	Anusha	BHEL	15 Days
10	15911A1212	Tejaswini	IIT Gowhati	45 Days
11	15911A1213	C Sreeja	Suntek	1 month
12	15911A1214	Arvind Reddy	SK Techsol Engineers PVT LTD	30 days
13	15911A1215	Mahesh D	SK Techsol Engineers PVT LTD	30 days
14	15911A1216	D Maniraj	BHEL	20 days
15	15911A1219	G Yashwanth	Azure Skynet	30 days
16	15911A1220	G Akhil	BHEL	20 days
17	15911A1221	J Saichandra	Azure Skynet	30 days
18	15911A1222	Nandini	Azure Skynet	30 days
19	15911A1223	J SaiVenkat	Azure Skynet	30 days
20	15911A1224	Nikhila Sharma	Azure Skynet	30 days
21	15911A1226	K Himaja	Azure Skynet	30 days
22	15911A1227	K KAravind	SpyryTechnolgies	20days
23	15911A1228	K Ranjith	Spyry Technologies	20 Days
			Middleware Inf.Tech	30 days
24	15911A1229	Akhila	BHEL	30 days
			SK Techsol Engineers PVT LTD	30 days
25	15911A1230	Chandana	BHEL	15 Days
26	15911A1233	K Prabhusai	SK Techsol Engineers PVT LTD	30 days



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27	15911A1234	K Madhuri	SpyryTechnolgies	20days
			Middleware Inf.Tech	30 days
28	15911A1235	Ramkumar	SpyryTechnolgies	20days
			Middleware Inf.Tech	30 days
29	15911A1236	SaiTeja	Middleware Inf.Tech	30 days
			SpyryTechnolgies	20days
30	15911A1237	M Vijaychand	BHEL	15 Days
31	15911A1238	K Manideep	Indus Gaming Studio	30 days
32	15911A1239	M SaiNikhila	Suntek	30 days
			SK Techsol Engineers PVT LTD	30 days
33	15911A1240	Kavitha	BHEL	15 Days
34	15911A1241	M Haritha	SK Techsol Engineers PVT LTD	30 days
35	15911A1242	NS Tarun	Azure Skynet	30 days
36	15911A1243	N Chandini	BHEL	15 Days
37	15911A1244	P Sai Kumar	SpyryTechnolgies	20days
38	15911A1248	SagarTivary	Railways	10days
39	15911A1250	Nikhilesh	SpyryTechnolgies	20days
40	15911A1251	Azema	SpyryTechnolgies	20days
			Middleware Inf.Tech	30 days
41	15911A1252	Madhavi S	Suntek	30 days
			SK Techsol Engineers PVT LTD	30 days
42	15911A1253	Sukesh	BHEL	15 Days
43	15911A1254	Navaneetha	Azure Skynet	30 days
44	15911A1255	Niharika	Suntek	30 days
			SK Techsol Engineers PVT LTD	30 days



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45	15911A1256	A Udaya Sri	Suntek	1 month
			SK Techsol Engineers PVT LTD	1 month
46	15911A1258	Vidhi Shah	SpyryTechnolgies	20days
47	15911A1259	Vamshi Reddy	Azure Skynet	30 days
48	15911A1260	BabuRao	BHEL	15 Days
49	14911A1225	M Adithya	Azure Skynet	30 days

III YEAR-2018-2019

50	16911A1207	B Yugandhari	Talentio(IOT Engineer)	45 Days
51	16911A1209	D AneelaChowdary	Talentio(IOT Engineer)	45 Days
52	16911A1224	K Himaja	Talentio(IOT Engineer)	45 Days
53	16911A1233	M Surekha Reddy	Talentio(IOT Engineer)	45 Days
54	16911A1242	N Rebecca	Talentio(IOT Engineer)	45 Days
55	16911A1247	Anirudh	Marketing Sales	1 month
			EIOS	1 Year
56	16911A1249	P SaiJyothi	Talentio(IOT Engineer)	45 Days
57	16911A1250	P Mounika	Talentio(IOT Engineer)	45 Days
58	16911A1258	Y Priyanka	Talentio(IOT Engineer)	45 Days

Academic Year: 2017-18

S.No	Roll No	Student Name	Company Name	Duration
1	14911A1220	K PoojaNikitha	PALS	3 months
2	14911A1215	Swathi	PALS	3 months
3	14911A1208	B RamyaSree	Smart Bridge education services PVT ltd	3 months
4	14911A1237	P Haindavi	Media Mint	3 months
5	14911A1231	Lakshmi Spandana	Questa Business Development	3 months



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6	16911A1207	B Yuganandhari	OYO	6 months
			Internshala	3 months
			E-Cell DTU	6 months
			IIT Hyderabad	6 months
			IIT Roorke	4 months
7	14911A1223	M Pranavi	Reliant Vision	3 months
8	14911A1235	P Reethika	Reliant Vision	3 months
9	14911A1202	D Alamdar	Reliant Vision	3 months
10	16911A1231	M Sneha	Wooper Technologies	3 months
11	16911A1224	K Himaja	Careers 360	3 months
12	16911A1242	N Rebecca Aishwarya	Garuda Polyflex Group Pvt Ltd	12 Months
13	16911A1250	P Mounika	InkWall Technologies(Game Developer)	45 Days
14	16911A1236	Adil Mohammed	InkWall Technologies(Game Developer)	45 Days
15	16911A1237	Mohit	InkWall Technologies(Game Developer)	45 Days
16	15911A1210	B Manisha	InkWall Technologies (Game Developer)	45 Days
17	15911A1255	T Nikarika	InkWall Technologies (Game Developer)	45 Days
18	15911A1226	K Himaja	InkWall Technologies (Game Developer)	45 Days
19	15911A1217	E Sainath Reddy	Error Technologies Internshala(Web Development)	2 months
20	15911A1212	Ch Lakshmi Tejaswini	IIT Guwahati	1 month 15 days
			Swaglok	1 month
21	15911A1258	Vidhi Shah	Spyry Technologies	20 Days
22	15911A1227	KK Arvind	Spyry Technologies	20 Days
23	15911A1250	Nikhilesh Kumar	Spyry Technologies	20 Days
24	15911A1201	A Haarika	Spyry Technologies	20 Days
25	15911A1251	Azema	Spyry Technologies	20 Days



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26	15911A1234	K Madhuri	Spyry Technologies	20 Days
27	15911A1236	M Saiteja	Spyry Technologies	20 Days
28	15911A1235	L Ramkumar	Spyry Technologies	20 Days
29	15911A1244	P Saikumar	Spyry Technologies	20 Days
30	15911A1228	K Ranjith	Spyry Technologies	20 Days
			Vedik App	2 months
31	15911A1233	PrabhuSai	Vedik App	1 month
			IIT Madras	30 days
			PlacementSeason	6-8 months

Industrial Training Programs

Academic year : 2019-20			
S.No.	Workshop/Event Name	Conducted by	Duration
1	Summer training on Quant, Verbal and Technical	Talentio	20 th May to 2 nd June 2019
2	Robotics and AI	Machint Solutions	29 th October 2019
3	Gillette Men's Grooming & Sakshi Media	How to get internships	25 th August 2019
4	Industry Awareness	Virtusa	4 th July 2019
Academic Year : 2018-19			
S.No.	Workshop/Event Name	Conducted by	Duration
1	CRT Training	TALENTIO	28 th May to 8 th June 2018



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2	CRT Training	Suntek	24 th May to 2 nd June 2018
3	hands-on workshop on IoT	TALENTIO	4 th June to 10 th June 2018
4	HTML	TASK	12 th June to 15 th June 2018
5	DBMS	TASK	15 th June to 18 th June 2018
6	Data Science, Machine Learning	Upgrad	6 th September 2018
7	Full Stack Development	Upgrad	6 th September 2018
8	Augmented Reality&Virtual Reality	TASK	27 th October 2018
9	A one day workshop was conducted by AVEVASoftware	British multinational information technology company headquartered in Cambridge	13 th October 2018
10	Aptitude, Verbal and Programming languages	TALENTIO	10 th December to 22 nd December 2018
11	talent development seminar	Ekanya	10 th December 2018
12	Career Guidance in Software Industry	Wipro	29 th September 2018
13	VJIT Toast Masters club	Toast Masters	3 rd March 2019
14	How to crack S/W Job	Iprimed	21 st March 2019
Academic Year : 2017-18			
S.No.	Workshop/Event Name	Conducted by	Duration
1	Industry Awareness	Deloitte	22 nd September 2017
2	One year mentoring	Infosys	14 th & 15 th September 2017
3	Programming Languages	SunTek	3 rd to 14 th July 2017
4	CRT Training	TALENTIO, Suntek	27 th November to 7 th December 2017

C. Impact Analysis of Industrial Training (4)

The industrial training has helped a good number of students in Employment and Higher education. Also the following points are considered as an overall outcome

- Gain Valuable Work Experience
- Have an Edge in the Job Market
- Transition into a Job
- Decide if this is the Right Career for You
- Networking Opportunities
- Apply Classroom Knowledge
- Gain Confidence

[illegible]



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3. COURSE OUTCOMES AND PROGRAM OUTCOMES (175)

List of PSOs

Program Specific Outcomes	Statements
PSO1	Enhanced ability in applying mathematical abstraction and algorithmic design along with programming tools to solve complexity involved in efficient programming.
PSO2	Develop effective software skills and documentation ability for graduates to become Employable/ Higher studies/Entrepreneur researcher.

List of POs

Program Outcomes	Statements
PO1	Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	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.
PO3	Design/development of solutions: Design solutions for complex engineering problems and design system



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	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 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 team work: 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, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.



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PO11	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.
PO12	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.

3.1. Establish the correlation between the Courses and the Program Outcomes (POs) and Program Specific Outcomes (PSOs) (20)

The curriculum of the program is designed with core and elective courses by considering the Vision, Mission, Program Educational Objectives (PEOs), Program Outcomes (POs), Program Specific Outcomes (PSOs), requirements of stakeholders, suggestions from industries.

Course Outcomes (CO) are statements that are framed in the view of what the students are expected to attain at the end of the course. Each course has 5 course outcomes, depending on its significance which are mapped to the Program Outcomes (POs) and Program Specific Outcomes (PSOs).

Program Articulation Matrix:

Program Articulation Matrix is formed by the strength of correlation of COs with POs and PSOs. The strength of correlation of COs with POs and PSOs is indicated as “3” for substantial (high) correlation, “2” for moderate (medium) correlation and “1” for slight (low) correlation and “-”, if there is no correlation. If the course outcomes are attained, the POs correlated to these course outcomes are also attained.



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Correlation between POs & PSOs

POs	PSO1	PSO2
PO1	3	3
PO2	3	3
PO3	3	3
PO4	3	3
PO5	3	3
PO6	2	2
PO7	2	2
PO8	1	2
PO9	2	3
PO10	2	3
PO11	3	3
PO12	2	3

3.1.1 Course Outcomes (COs) (5) Batch(15-19)

Selected Courses (One per Semester)

Year / Semester	Course Id	Course Name
II / I	C203	Data Structures
II / II	C211	Data Base Management System



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III / I	C303	Operating System
III / II	C310	Web Technologies
IV / I	C402	Information Security
IV / II	C411	E-Commerce

Course name: C203 (Data Structures)

C203.1	Analyze the representation of various data structures and implement the mechanisms of Stacks and Queues with their applications.
C203.2	Implement the operations like searching, insertion, deletions and traversing mechanisms on Binary Trees.
C203.3	Implement various advance concepts of trees with real time applications.
C203.4	Implement various algorithms on graph data structures, including finding the minimum spanning tree, shortest path with real time applications, etc.
C203.5	Outline the concepts of hashing, collision and its resolution methods using hash function.

Course name :C211 (Database Management Systems)

C211.1	Design Entity-Relationship Model for enterprise level databases.
C211.2	Develop the database and provide restricted access to different users of database and formulate the Complex SQL queries.
C211.3	Analyze various Relational Formal Query Languages and various Normal forms to carry out Schema refinement.



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C211.4	Use of suitable Indices and Hashing mechanisms for real time implementation.
C211.5	Analyze various concurrency control protocols and working principles of recovery algorithms

Course name: C303 (Operating Systems)

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.

Course name: C310 (Web Technologies)

C310.1	Create static and dynamic web pages using HTML and java script
C310.2	Analyze the XML and how to parse XML data with java
C310.3	Develop web applications using server side scripting language-PHP
C310.4	Implement the web applications using JDBC and java servlets
C310.5	Apply web applications with Java Server Pages

Course name: C402 (Information Security)



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C402.1	Identify various security attacks.
C402.2	Understand various encryption principles and algorithms.
C402.3	Analyze different Cryptography algorithms.
C402.4	Understand various security associations and key management.
C402.5	Design a firewall for security.

Course name: C411 (E-Commerce)

C411.1	Identify the anatomy of E-Commerce applications.
C411.2	Categorize different Electronic payment systems.
C411.3	Examine Supply chain Management.
C411.4	Analyze the various marketing strategies for an online business.
C411.5	Design strategies for E-Commerce Catalogues.

3.1.2. CO-PO matrices of courses (5)

CO	Data Structures											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C203.1	3	3	3	3	3	1	1	1	3	2	2	2



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C203.2	3	3	3	3	3	1	1	1	3	2	2	2
C203.3	3	3	3	3	3	1	1	1	3	2	2	2
C203.4	3	3	3	3	3	1	1	1	3	2	2	2
C203.5	3	3	3	3	3	1	1	1	3	2	2	2
C203	3	3	3	3	3	1	1	1	3	2	2	2

CO	Database Management System											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C211.1	3	3	3	2	2	2	2	2	3	3	2	2
C211.2	3	3	3	2	2	2	2	2	3	3	3	2
C211.3	3	3	3	3	2	2	2	2	3	3	2	2
C211.4	3	3	3	2	2	2	2	2	3	3	3	2
C211.5	3	3	3	3	2	2	2	2	3	3	2	2
C211	3	3	3	2.4	2	2	2	2	3	3	2.4	2

CO	Operating System											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12



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C303.1	3	2	2	2	2	1	1	1	2	2	2	2
C303.2	3	3	2	2	2	1	1	1	2	2	2	2
C303.3	3	2	2	2	2	1	1	1	2	2	2	2
C303.4	3	2	2	2	2	1	1	1	2	2	2	2
C303.5	3	3	2	2	2	1	1	1	2	2	2	2
C303	3	2.4	2	2	2	1	1	1	2	2	2	2
CO	Web Technologies											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C310.1	3	3	3	3	3	2	2	2	2	2	3	2
C310.2	3	3	3	3	3	2	2	2	2	2	3	2
C310.3	3	3	3	3	3	2	2	2	2	3	3	2
C310.4	3	3	3	3	3	2	2	2	2	3	3	2
C310.5	3	3	3	3	3	2	2	2	2	3	3	2
C310	3	3	3	3	3	2	2	2	2	2.6	3	2

CO	Information Security											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12



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C402.1	3	3	2	2	2	2	2	2	2	1	2	2
C402.2	3	3	2	2	2	2	2	2	2	1	2	2
C402.3	3	3	2	2	2	2	2	2	2	1	2	2
C402.4	3	3	2	2	2	2	2	2	2	1	2	2
C402.5	3	3	3	2	2	2	2	2	2	2	2	2
C402	3	3	2.2	2	2	2	2	2	2	1.2	2	2

CO	E-Commerce											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C411.1	2	2	2	2	2	2	1	2	2	2	2	2
C411.2	2	2	2	2	2	2	2	2	2	2	2	2
C411.3	2	2	2	2	2	2	2	2	2	2	2	2
C411.4	2	2	2	2	2	2	2	2	2	2	2	2
C411.5	2	2	2	2	2	2	2	2	2	2	2	2
C411	2	2	2	2	2	2	1.8	2	2	2	2	2



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CO-PSO matrices of courses

CO	Data Structures	
	PSO1	PSO2
C203.1	3	3
C203.2	3	3
C203.3	3	3
C203.4	3	3
C203.5	3	3
Average	3	3
CO	Database Management System	
	PSO1	PSO2
C211.1	3	3
C211.2	3	3
C211.3	3	3



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C211.4	3	3
C211.4	3	3
Average	3	3
CO	Operating System	
	PSO1	PSO2
C303.1	3	3
C303.2	3	3
C303.3	3	3
C303.4	3	3
C303.5	3	3
Average	3	3
CO	Web Technologies	
	PSO1	PSO2
C310.1	3	3
C310.2	3	3
C310.3	3	3
C310.4	3	3
C310.5	3	3
Average	3	3
CO	Information Security	



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	PSO1	PSO2
C402.1	3	3
C402.2	3	3
C402.3	3	3
C402.4	3	3
C402.5	3	3
Average	3	3
CO	E-Commerce	
	PSO1	PSO2
C411.1	2	2
C411.2	2	2
C411.3	2	2
C411.4	2	2
C411.5	2	2
Average	2	2



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3.1.3 A. Program level Course –PO matrix of all courses INCLUDING first year courses (10)

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 -

R15

(16-20 batch)

S.No	Course Id	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1.	C101	English-I	-	2.33	2	-	3	2.5	2	2.75	-	2.6	2	3
2.	C102	Mathematics - I	2.6	2.8	2	2.66	2	2.2	2	-	2	-	-	2.6
3.	C103	Engineering	2.6	2.67	2.2	2	-	-	2.5	2	-	-	2	2.6
4.	C104	C Program	2.8	2.8	2.8	3	2	-	-	-	-	-	2	2.75
5.	C105	Engineering	3	2.67	2.5	2	2	2	2	-	-	-	2.2	2.4



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6.	C106	Engineering	3	3	3	3	2	2	-	-	2.5	3	-	2.4
7.	C107	English Language	3	3	-	2	-	2.33	-	3	2.5	3	-	3
8.	C108	C Program	2.8	3	3	2.8	2.33	2	-	-	-	-	2	3
9.	C109	Engineering	3	3	2.5	2.66	2.5	-	2	-	-	2	-	2.4
10	C110	IT Worksho	2	-	-	-	-	-	2.5	2.5	-	2.5	-	2.8
11	C111	English-II	-	2.5	-	2	-	2	2	2.5	2	2.5	2.5	2.8
12	C112	Mathematics – II	2.4	2	2.4	1.75	2	2.33	1	-	1.8	-	-	1.4
13	C113	Engineering	2.6	2.5	2.4	2.25	-	-	2.5	-	-	-	2	2.6
14	C114	C Program	3	3	2.8	3	2	2.2	-	-	-	-	2.6	2.6
15	C115	Mathematics – III	3	2.67	2.25	2	2.33	2.2	2.5	-	-	-	2.4	2.6
16	C116	Basic Electrical	3	3	2.75	2	2.2	2.4	-	-	2	-	-	2.6
17	C117	English Language	-	2	-	-	-	2	-	2.5	2.5	2.8	2.33	2.8
18	C118	C Program	2.6	2.5	2.4	2.4	2	-	2.4	2	2.5	2.5	-	2.4
19	C119	Engineering	2.75	2	2.4	2	2	2	2.4	2.5	2.2	2.6	-	2.4
20	C201	Probability &	3	3	2.6	2	1.5	1	1.4	-	1.6	1.8	2.2	2.4
21	C202	Mathematical	3	3	3	3	2	2.5	2	1.6	2	2	2	3



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22	C203	Data Structure	3	3	3	3	3	1	1	1	3	2	2	2
23	C204	Digital Logic	3	2.75	2.75	2.5	2.25	1.4	-	1	2.25	1.75	2.25	2.25
24	C205	Object Oriented	3	2.8	2.8	2.2	2	1	1	1.2	2	2	2	2.2
25	C206	Electronic Devices	2.6	2.4	2.4	2.4	1	2.6	-	2	2	2	-	-
26	C207	Data Structure	3	3	3	3	3	2	1	1	2	2	3	3
27	C208	Electronic Devices	3	2.8	2.2	3	3	-	-	1	2	3	3	-
28	C209	Mandatory Course-	2	2	2	2	2	3	2	2	2	2	2	2
29	C210	Design and	3	3	2.8	2.8	2.2	2	2	2	2.8	2.8	1.2	3
30	C211	Computer	3	3	3	2.4	1.8	1	2	1	2	2	2.4	2
31	C212	Database Management	3	3	3	2.4	2	2	2	2	3	3	2.4	2
32	C213	Software Engineering	2.8	2.2	2.4	2.2	2.2	1.8	1.4	1.6	2.4	2.8	2	2.8
33	C214	Java Program	3	3	3	3	3	2	1	1	3	1.6	3	3
34	C215	Environmental	3	3	3	3	2.8	2	2	2	2.2	2.25	2.66	2.4
35	C216	Java Program	3	3	2.8	2	3	1.4	1	1	2.4	1	3	2
36	C217	Database Management	3	3	3	3	3	2	2	2	2.8	2	2.8	2
37	C218	Mandatory Course-	1	-	-	-	-	2	2	3	2.75	2.75	2	2.6



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38	C301	Linux Program	3	3	2.8	2.4	1.8	1	1.2	1.2	1.75	1.75	2.4	2
39	C302	Computer	2	3	3	3	3	2	2.2	1.4	2.2	3	2.4	2
40	C303	Operating	3	2.4	2	2	2	1	1	1	2	2	2	2
41	C304	Cloud Computi	3	2.8	1.8	2	1.6	1	1	2	1.8	2	2.4	2
42	C305	Principles of	3	3	3	2	2	1	1	1	2	2	1.8	2.25
43	C306.1	OE: SC (Smart	2	2	2	2	3	2	2	2	2	1	2	2
44	C306.2	EME (Elements of	2	2	3	2	-	3	-	-	-	-	-	-
45	C306.3	PE (Product	2	2	2	2	2	2	2	1	-	-	-	2
46	C306.4	IMA (Introduc	3	3	3	3	3	3	2	-	2	-	2	3
47	C306.5	BEI (Basic	3	3	3	3	1	-	2	-	2	1	-	3
48	C306.6	NCES (Non-	3	2.25	2.75	3	1	2.25	2.25	1	-	1	1	-
49	C306.7	TQM (Total	2	1	2.6	2.33	2.25	2	3	1	3	2.5	1.5	3
50	C306.8	RS&GIS (Remote	2	2	3	2	2	2	2	-	1	2	2	2
51	C307	Operating	3	3	3	3	3	3	2	2	2	1	2	2
52	C308	Advanced	2	1.5	1.2	1.66	1.8	2.2	2	2.5	2.4	2.6	1.8	1.4
53	C309	Quantitative	-	-	-	-	-	-	-	2	1.75	3	1	2.6



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54	C310	Web Technolo	3	3	3	3	3	2	2	2	2	2.6	3	2
55	C311	Automata &	3	2.4	2	1.6	1	1	1	1	2	2	-	2
56	C312	Data Warehou	3	3	3	3	3	2.6	2	1.8	2	2	2	2
57	C313	Managerial	-	1	3	2	2	2.5	2	2	2	-	3	2.6
58	C314	-Object Oriented	2	3	3	3	3	1.6	1.6	1.8	2.2	3	2.4	3
59	C315.1	OE2: EPCM(	2	2	2	2	2	1	1	1	1	1	-	1
60	C315.2	GBT (Green	2	2	2	2	2	2	3	2	2	1	2	1
61	C315.3	EAC (Energy	3	2	1	2	-	1	2	1	-	1	1	1
62	C315.4	PEPU (Principle	3	3	3	2	-	2	1	-	-	-	1	-
63	C315.5	BAE (Basic	2	1	1	3	-	-	3	2	-	-	-	1
64	C315.6	MSE(Ma terials	2	2	-	2	1	-	-	-	-	-	-	1
65	C315.7	FES (Fundam	3	3	3	3	1	1	1	1	2	1.2	1.8	2.8
66	C315.8	PC (Principle	3	3	2.6	2.6	3	2.2	1.4	1.6	3	3	3	3
67	C315.9	FIM (Financia	2	3	3	3	3	2	2	2	2	3	2	3
68	C315.10	FNST (Fundame	3	-	2.25	-	-	2.25	2.8	-	-	-	-	3
69	C316	Web Technolo	3	3	3	2	3	2.3	1	2	2.33	2	2.6	2



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70	C317	Data Mining &	3	3	3	3	3	3	1	2	2	2	2.5	2
71	C318	Personalitv	3	3	-	2.7	-	-	2	2	1.5	-	-	3
72	C401	Mobile Applicati	3	3	2.6	2.4	2.4	2.4	2	2.2	2.4	1.8	2.4	2.6
73	C402	Informati on	3	3	2.2	2	2	2	2	2	2	1.2	2	2
74	C403	Software Testing	3	2.4	2.6	2.8	3	-	-	1	2	1	3	2
75	C404	Big Data Analytic	2.6	1.8	1.8	1.3	2.6	1.3	1	1	1.6	1.4	1	1.6
76	C405	Advance d	3	1.8	1.6	1.6	1.4	1.3	1	1	1.2	1	1.2	1
77	C406.1	OE3: ECE	3	3	3	3	3	3	3	2	3	3	2	3
78	C406.2	IEE (Introduc	3	2	2	-	1	2	2	1	-	-	-	1
79	C406.3	EVHV (Electric	3	3	2.5	2	-	1	1	-	-	-	1	1
80	C406.4	ESS (Energy	3	3	3	3	3	3	3	2	3	3	2	3
81	C406.5	MSE (Mainten	1	2	2	1	1	-	-	-	-	1	2	-
82	C406.6	MAT LAB	2	3	2	2	2	-	2	-	-	2	-	2
83	C406.7	FE (Fundame	3	3	3	3	3	3	3	2	2	3	3	3
84	C407	Mobile Applicati	3	3	2.33	1.67	3	1	1	1	2	2	2	1
85	C408	Hadoop & Big	3	3	3	3	3	3	3	2	2.8	3	2.6	2.8



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86	C409	Mini Project	3	3	2.5	3	3	2	2	2	3	2.75	3	2
87	C410	Design Patterns	3	1.8	1.6	1.6	1.4	1.3	1	1	1.2	1	1.2	1
88	C411	E-Commerce	2	2	2	2	2	2	1.8	2	2	2	2	2
89	C412	Semantic Web and	3	1.8	1.6	1.6	1.4	1.3	1	1	1.2	2	1.2	1
90	C413	Technical Seminar	3	3	2	1	2	2	1	3	-	3	2	2
91	C414	Comprehensive	3	3	2	1	2	2	1	3	2	3	2	2
92	C415	Major Project	3	3	2	1	2	2	1	3	3	3	2	2
			2.70 7647	2.598 736	2.4997 56	2.3421 9	2.2566 23	1.9715 07	1.7810 81	1.7235 71	2.1504 29	2.1133 8	2.1146 95	2.2523 53

3.1.3.

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

(16-20 batch)

Course ID	Course Name	PSO1	PSO2
C101	English-I	-	1
C102	Mathematics - I	3	2
C103	Engineering Physics – I	3	1



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C104	C Programming - I	3	3
C105	Engineering Chemistry	2	1
C106	Engineering Graphics	3	2
C107	English Language Communication Skills Lab – I	-	1
C108	C Programming Lab- I	3	3
C109	Engineering Physics and Chemistry Lab	3	1
C110	IT Workshop	1	3
C111	English-II	-	1
C112	Mathematics – II	3	2
C113	Engineering Physics-II	3	1
C114	C Programming – II	3	3
C115	Mathematics – III	3	1
C116	Basic Electrical Engineering	3	1
C117	English Language Communication Skills Lab – II	-	1
C118	C Programming Lab - II	3	3
C119	Engineering Workshop	1	1
C201	Probability & Statistics	2	1
C202	Mathematical Foundations of Computer Science	3	3
C203	Data Structures	3	3
C204	Digital Logic Design	3	2



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C205	Object Oriented Programming	3	3
C206	Electronic Devices & Circuits	3	2
C207	Data Structures Lab	3	3
C208	Electronic Devices & Circuits and Digital Logic Design Lab	3	2
C209	Mandatory Course-I	-	1
C210	Design and Analysis of Algorithms	3	3
C211	Computer Organization	3	3
C212	Database Management Systems	3	3
C213	Software Engineering	3	3
C214	Java Programming	3	3
C215	Environmental Science	-	1
C216	Java Programming Lab	3	3
C217	Database Management Systems lab	3	3
C218	Mandatory Course-II	-	1
C301	Linux Programming	3	3
C302	Computer Networks	3	3
C303	Operating Systems	3	3
C304	Cloud Computing	3	3
C305	Principles of Programming Languages	3	3
C306.1	OE: SC (Smart City)	-	1
C306.2	EME(Elements of Mechanical Engineering)	2	1



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C306.3	PE (Product Engineering)	1	1
C306.4	IMA (Introduction to Micro-Controller and Applications)	3	2
C306.5	BEI (Basic Electronic Instrumentation)	2	1
C306.6	NCES (Non-Conventional Energy Sources)	-	-
C306.7	TQM (Total Quality Management)	2	1
C306.8	RS&GIS (Remote Sensing and Geographical Information Systems)	1	-
C307	Operating Systems & Computer Networks lab through LINUX	3	3
C308	Advanced Communication Skills Lab	1	1.22
C309	Quantitative Methods & Logical Reasoning	2	1
C310	Web Technologies	3	3
C311	Automata & Compiler Design	3	3
C312	Data Warehousing & Data Mining	3	3
C313	Managerial Economics & Financial Analysis	2	2
C314	-Object Oriented Analysis & Design	3	3
C315.1	OE2: EPCM(Environmental Pollution and Control Methods)	-	1
C315.2	GBT (Green Building Techniques)	-	1
C315.3	EAC (Energy audit and Conservation)	1	-
C315.4	PEPU (Principles of Electronic Power Utilization)	1	-
C315.5	BAE (Basic Automobile Engineering)	1	1
C315.6	MSE(Materials Science Engineering)	-	1



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C315.7	FES (Fundamentals of Embedded Systems)	3	2
C315.8	PC (Principles of Communication)	1	-
C315.9	FIM (Financial Institutions and Markets)	1	1
C315.10	FNST (Fundamental of Nano-Science and Technology)	3	-
C316	Web Technologies Lab	3	3
C317	Data Mining & Case Tools Lab	3	3
C318	Personality Development & Behavioral Skills	2	2
C401	Mobile Application Development	3	3
C402	Information Security	3	3
C403	Software Testing Methodologies	3	3
C404	Big Data Analytic	3	3
C405	Advanced Databases	3	3
C406.1	OE3: ECE (Elements of Civil Engineering)	1	-
C406.2	IEE (Introduction to Earthquake Engineering)	1	-
C406.3	EVHV (Electric Vehicles and Hybrid Vehicles)	-	-
C406.4	ESS (Energy Storage Systems)	1	-
C406.5	MSE (Maintenance and Safety Engineering)	-	1
C406.6	MAT LAB	2	2
C406.7	FE (Fundamentals of Entrepreneurship)	-	2
C407	Mobile Application Development Lab	3	3
C408	Hadoop & Big Data Lab	3	3
C409	Mini Project	3	3



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C410	Design Patterns	3	3
C411	E-Commerce	2	2
C412	Semantic Web and Social Networks	3	3
C413	Technical Seminar	3	3
C414	Comprehensive Viva-Voce	3	3
C415	Major Project	3	3
Average		2.487179	2.133571

3.2. Attainment of Course Outcomes (50)

3.2.1. Describe the assessment processes used to gather the data upon which the evaluation of course outcome is based (10)

A. List of Assessment Process (2)

The evaluation of Course Outcomes is done through Direct Assessment Method and Indirect Assessment Method whose composition is as follows.

Overall COs Assessment = 80% of Direct Assessment of COs + 20% of Indirect Assessment of COs

Direct Assessment Method is applied to assess the student's knowledge and skills from their performance in the Continuous Internal Evaluation, Semester End Examinations, Seminars, Assignments and Projects.

Indirect Assessment Method is carried out by conducting a survey among the students at the end of every semester which reflects level of inculcation of the courses.

Table. 3.2.1 Assessment Tools and Processes



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Assessment Tools	Assessment Frequency	Assessed by	Reviewed by
Direct Assessment Tools			
Mid Examinations	Twice in Semester	Course Faculty	HOD
Assignments	Twice in Semester	Course Faculty	Course Faculty
Laboratory Examination	Once in Semester	Course Faculty	HOD
Semester End Examination	Once in Semester	Institute, Exam Branch, Department Faculty	Institute, Exam Branch
Seminar	Twice in Semester	Seminar Coordinator	HOD
Mini Projects	In Third Year Second Semester	Mini Projects Coordinator	HOD
Major Projects	In Fourth Year Second Semester	Major Projects Coordinator	HOD
Indirect Assessment Tools			
Course End Survey	Once in Semester	Coordinators, PAC	PAC, DAB

PAC: Program Advisory Committee

DAB: Department Advisory Board

Assessment process flow chart for the attainment of Course Outcomes



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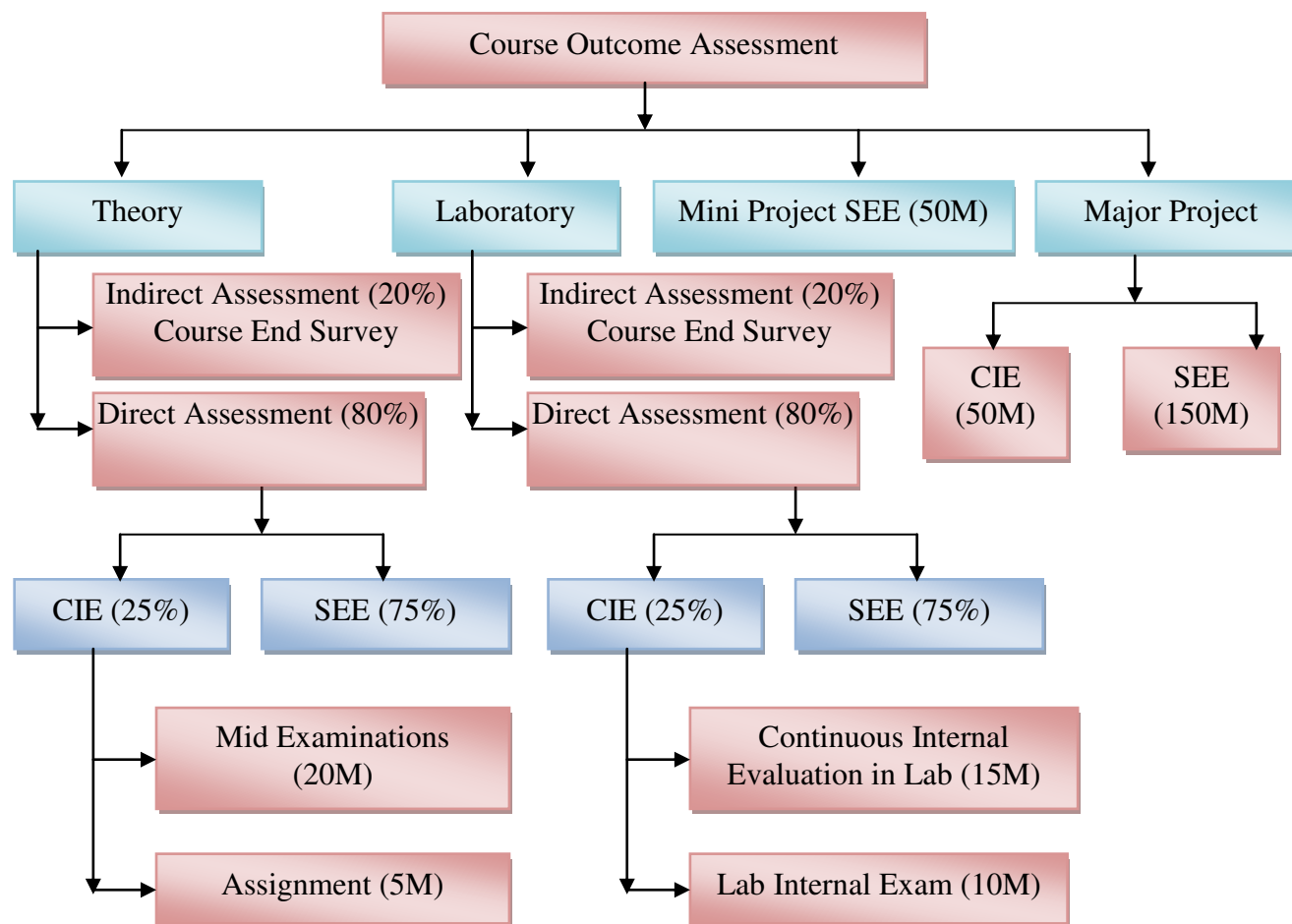


Fig 3.2.1 CO Attainment Assessment Process



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1. Continuous Internal Evaluation (CIE)

Assessment process for the attainment of Course Outcomes for R15 Course Structure

The course outcomes were prepared by the action verbs of blooms taxonomy. All the course outcomes are defined in such a way that they are measurable by means of written, oral skills, assignments, presentations and demonstrations.

The following are the direct assessment tools adopted for collection of data for evaluation of course outcomes:

1. Continuous Internal Evaluation (CIE)
2. Semester End Examinations (SEE)
3. Laboratory Evaluation
4. Industry Oriented Mini Project
5. Technical Seminar
6. Comprehensive Viva Voce
7. Major Project

Direct Assessment Tools

Table 3.2.2 Continuous Internal Evaluation

Assessment Tool: Continuous Internal Evaluation(CIE)(Mid Exams + Assignments)				
Tool Description	Weightage of Marks	Threshold level (%)	Attainment level Criteria	Attainment level
Two Mid Exams of 90 minutes duration are conducted for 20Marks, for two and half units	20 + 5 = 25Marks	60%	60% of marks are obtained by more than or equal to 70% of students attempted.	3



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each.			60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
Two Assignments are given to the students before MID exams which has a weightage of 5M			60% of marks are obtained by more than 50% and less than 60% of students attempted	1

2. Semester End Examinations (SEE)

Table 3.2.3 Semester End Examinations

Assessment Tool: Semester End Examinations (SEE)				
Tool Description	Weightage of Marks	Threshold level (%)	Attainment level Criteria	Attainment level
At the end of each semester, Semester End Examination for duration of three hours will be conducted for all the courses covering the entire syllabus and satisfies all course outcomes for the particular course.	75 Marks	60%	60% of marks are obtained by more than or equal to 70% of students attempted.	3
			60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
			60% of marks are obtained by more than 50% and less than 60% of students attempted	1



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3. Laboratory Evaluation

Table 3.2.4 Laboratory Evaluation

Assessment Tool: Laboratory Evaluation				
Tool Description	Weightage of Marks	Threshold level (%)	Attainment level Criteria	Attainment level
<p>Continuous Evaluation of Laboratory courses are carried out as per the lab schedule where day to day performance of a student is evaluated as per a defined rubric, which covers all the experiments by the laboratory in-charge(s) . Apart from CIE, two lab internal assessments are done for the lab courses for a weightage of 10 M.</p> <p>Total Lab Marks (25M) = Average of the marks obtained by the students in the two assessments (10M) + CIE (15M). The end semester examinations are of three hour duration and cover all the experiments of the course and satisfy all course outcomes, which will be evaluated for 50Marks.</p>	25M (Internal) + 50M (External) = 75Marks	60%	60% of marks are obtained by more than or equal to 70% of students attempted.	3
			60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
			60% of marks are obtained by more than 50% and less than 60% of students attempted	1



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4. Industry Oriented Mini Project

Table 3.2.5 Industry Oriented Mini Project

Assessment Tool: Industry Oriented Mini Project				
Tool Description	Weightage of Marks	Threshold level (%)	Attainment level Criteria	Attainment level
It provides an opportunity for students to observe the process and practices implemented in an industry, thereby plan and carry out a Mini Project, implementing the techniques understood.	50Marks	60%	60% of marks are obtained by more than or equal to 70% of students attempted.	3
			60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
			60% of marks are obtained by more than 50% and less than 60% of students attempted.	1

Table 3.2.6 Rubrics for Evaluation of Industry Oriented Mini Project

RUBRICS FOR EVALUATION OF INDUSTRY ORIENTED MINI PROJECT		MARKS
I	Relevance of the Area chosen with societal Problems and Eco-friendly solutions	5M



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II	Literature Survey on the innovations in technology applicable to the area chosen	5M
III	Problem Identification and Formulation, with constraints as safety factors and Cost effectiveness	10M
IV	Theoretical Analysis/Experimental Observation with ethical values	10M
V	Implementation ,Presentation of Results & Discussion	10M
VI	Conclusions and scope for future work	10M
Total Marks		50M

5. Technical Seminar Evaluation

Table 3.2.7 Technical Seminar Evaluation

Assessment Tool: Technical Seminar				
Tool Description	Weightage of Marks	Threshold level (%)	Attainment level Criteria	Attainment level
There shall be a technical seminar presentation in IV year II semester, for which the student shall collect information on a specialized topic in the field of engineering and technology, prepare a technical report, and submit the same to the Department Advisory Board (DAB). DAB consisting of Head of the Department, seminar coordinator and three senior faculty	50	60%	60% of marks are obtained by more than or equal to 70% of students attempted.	3
			60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
			60% of marks are obtained by	1



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members shall evaluate the report. Performance response with respect to technical seminar shall be evaluated for 50 internal marks.			more than 50% and less than 60% of students attempted	
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Table 3.2.8 Rubrics for Technical Seminar

Rubrics For Technical Seminar		MARKS
I	Literature Review	10M
II	Subject Knowledge	10M
III	Communication Skills	10M
IV	Presentation	10M
V	Report	10M
Total Marks		50M

6. Comprehensive Viva Voce

Table 3.2.9 Comprehensive Viva Voce

Assessment Tool: Comprehensive Viva				
Tool Description	Weightage	Threshold	Attainment level Criteria	Attainment



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	of Marks	level (%)		level
Comprehensive Viva-Voce will be conducted by a committee consisting of Head of the Department and Course Coordinators. The Comprehensive Viva-Voce is intended to assess the student's competency on the subjects he / she studied during the course of study. It is conducted for 100M.	100 Marks	60%	60% of marks are obtained by more than or equal to 70% of students attempted.	3
			60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
			60% of marks are obtained by more than 50% and less than 60% of students attempted	1

Table 3.2.10 Rubrics for Comprehensive Viva Voce

Rubrics For Comprehensive Viva Voce		MARKS
I	Knowledge in basic engineering	20M
II	Problem solving ability	20M
III	Presentation Ability	20M
IV	Communication Skills	20M
V	Critical Thinking	20M
Total Marks		100M



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7. Major Project

Table 3.2.11 Major Project

Assessment Tool: Major Project				
Tool Description	Weightage of Marks	Threshold level (%)	Attainment level Criteria	Attainment level
Projects will be selected based on the student's interest. Students are given freedom to form batches of their choice, comprising of a maximum of 4 students. Each batch will be mentored by a faculty (guide). Project batches are allotted to the guide(s) by the project coordinators, mapping the interest of the students with the area of interest/research work carried by the faculty. Three Internal Project Reviews are conducted by a panel of project coordinators, internal project guide and HOD. The internal reviews are conducted for 50M and External Project viva voce is conducted for 150M. Total Marks of 200M for Project are awarded based on the rubrics defined.	200M = 50M (Internal Evaluation) + 150M (External Evaluation)	60%	60% of marks are obtained by more than or equal to 70% of students attempted.	3
			60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
			60% of marks are obtained by more than 50% and less than 60% of students attempted	1



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Table 3.2.12 Rubrics for Internal evaluation of Major Project

Rubrics For Internal Evaluation Of Major Project		
S.No.	Project Review I	MARKS
I	Understanding background and topic	3M
II	Specific Project goals	2M
III	Literature Survey	2M
IV	Project Planning	4M
V	Presentation skills	4M
	Project Review II	
I	Specific Project goals	2M
II	Specific testing platforms and bench mark systems	3M
III	Project Planning	2M
IV	Technical Design	3M
V	Summary of the findings of Project	2M
VI	Presentation Skills	3M
	Final Project Review	



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I	Abstract	2M
II	Research Methodology	4M
III	Results obtained and performance Evaluation	5M
IV	Pre - final draft of entire project	5M
V	Presentation skills	4M
Total Marks		50M

Table 3.2.13 Rubrics for evaluation of Major Project by External Examiner

RUBRICS FOR EVALUATION OF MAJOR PROJECT BY EXTERNAL EXAMINER		MARKS
I	Relevance of the Area chosen with societal Problems and Eco-friendly solutions	15M
II	Literature Survey on the innovations in technology applicable to the area chosen	15M
III	Problem Identification and Formulation, with constraints as safety factors and Cost effectiveness	30M
IV	Theoretical Analysis/Experimental Observation with ethical values	30M
V	Implementation ,Presentation of Results & Discussion	40M
VI	Conclusions and scope for future work	20M
Total Marks		150M



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Table 3.2.14 Indirect Assessment Tools

Tool Description	Weightage of Marks	Threshold level (%)	Attainment level Criteria	Attainment level
To aid and improvise on the Teaching Learning Process, students are provided an opportunity to express in the form of a feedback on their inculcation and understanding of the course content summarized in the form of COs and is taken as indirect assessment tool for the attainment of COs.	-	-	The strength of correlation of COs with Course is indicated as “3” for substantial (high) correlation, “2” for moderate (medium) correlation and “1” for slight (low) correlation and “-“.	The strength of correlation of COs with course as indicated as “3” for substantial (high) correlation, “2” for moderate (medium) correlation and “1” for slight (low) correlation and “- “ are opted by students in Course End Survey

3.2.2 Record the attainment of Course Outcome of all courses with respect to set attainment levels (40)

(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 with respect to the Course Outcomes of a course in addition to the performance in the University examination)



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CO - Direct Assessment Evaluation

1. Continuous Internal Evaluation (CIE)

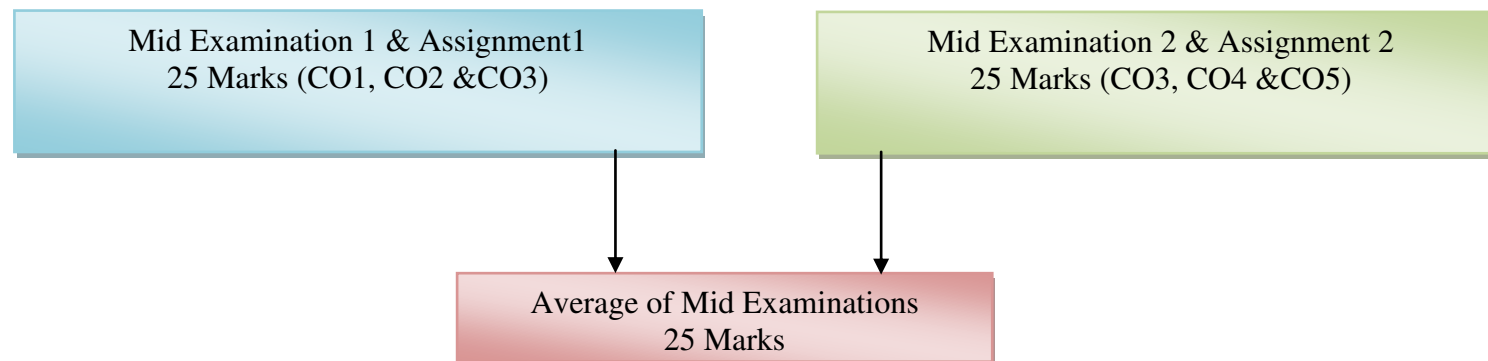


Fig 3.2.2 Division of COs Continuous Internal Evaluation

- Total Duration: 90 Minutes
- Subjective Paper: 20 Marks
- Assignment: 5M
- Minimum Expected Marks for Course Attainment : 60% of Maximum Marks(25) is 15 Marks

2. Semester End Examinations(SEE)

- Total Duration: 3 Hours



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- Subjective Paper: 75 Marks
- Minimum Marks for Pass: 26M (35% of Maximum Marks 75)
- Minimum Expected Marks for Course Attainment: 60% of Maximum Marks (75) is 45 Marks.

Direct Assessment Evaluation Process

Table 3.2.15 Metrics for Direct Assessment's Attainment Levels

Attainment Level Criteria	Set Attainment Level
60% of marks are obtained by more than or equal to 70% of students attempted.	3
60% of marks are obtained by more than 60% and less than 70% of students attempted.	2
60% of marks are obtained by more than 50% and less than 60% of students attempted	1



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Sample Assessment Sheet for Direct CO Attainment

Course Name: Data Structures(C203)



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S.No	Req.No	Assign ment1 (5M)	Theory (20M)	MID-1 Threshold 60%							Assign ment2 (5M)	Theory (20M)	MID-2 Threshold 60%						Threshold mid 60% (45M)
				PART-B						PART-B									
				M1- Q1 (2M) C01	M1- Q2 (2M) C02	M1- Q3 (2M) C03	M1- Q4 (2M) C01	M1- Q5 (2M) C02	M1- Q6 (4M) C03	M2- Q1 (2M) C03			M2- Q2 (2M) C04	M2- Q3 (2M) C05	M2- Q4 (4M) C03	M2- Q5 (2M) C04	M2- Q6 (5M) C05	Ea4 Exam (75M)	
1	16-911A1201	5	15	1	1	0	5	5	3	5	17	2	2	2	3	4	4	71	
2	16-911A1202	5	15	2	2	1	5	5	0	5	15	2	2	2	1	4	5	1	65
3	16-911A1203	5	10	1	1	1	2	2	3	5	7	1	1	0	3	0	2	48	
4	16-911A1204	5	11	1	1	0	5	0	4	5	15	1	1	1	2	5	5	53	
5	16-911A1205	5	16	1	1	1	5	5	3	5	16	2	0	0	4	5	5	62	
6	16-911A1206	5	3	1	1	1	0	0	0	5	12	1	1	0	3	3	4	56	
7	16-911A1207	5	20	2	2	2	5	5	4	5	20	2	2	2	2	65	4	65	
8	16-911A1208	5	13	2	2	2	4	1	2	5	15	2	2	2	15	3	2	4	57
9	16-911A1209	5	18	2	2	2	4	4	4	5	19	2	2	2	1	4	5	5	57
10	16-911A1210	5	19	2	2	1	5	5	4	5	19	2	2	2	1	4	5	5	62
11	16-911A1211	5	18	2	2	2	4	4	4	5	17	2	1	0	4	5	5	5	63
12	16-911A1212	5	16	2	2	2	1	5	5	1	17	1	2	1	3	5	5	5	62
13	16-911A1213	5	20	2	2	2	5	5	4	5	17	1	2	2	2	5	5	5	56
14	16-911A1214	5	15	1	1	2	4	4	3	5	18	2	1	1	1	4	5	5	68
15	16-911A1215	5	AB	AB	AB	AB	AB	AB	AB	5	18	2	1	1	19	4	5	5	70
16	16-911A1216	5	5	1	1	1	1	1	0	5	15	1	1	2	5	4	2	48	
17	16-911A1217	5	12	1	1	1	3	3	3	5	9	1	1	0	3	3	0	54	
18	16-911A1218	5	15	2	2	2	3	3	3	5	11	1	1	1	3	3	2	58	
19	16-911A1219	5	19	1	2	2	5	5	4	5	20	2	2	2	4	5	5	71	
20	16-911A1220	5	11	2	2	2	1	0	4	5	AB	AB	AB	AB	AB	AB	AB	55	
21	16-911A1221	5	17	1	1	2	5	5	2	5	12	1	1	1	2	5	3	60	
22	16-911A1222	5	AB	AB	AB	AB	AB	AB	AB	AB	17	1	1	1	1	5	5	2	70
23	16-911A1223	5	10	1	1	1	3	3	1	5	10	1	1	1	0	3	2	37	
24	16-911A1224	5	19	2	2	2	5	5	3	5	19	2	2	2	4	5	4	72	
25	16-911A1225	5	17	2	2	1	5	5	2	5	18	1	1	2	4	5	5	54	
26	16-911A1226	5	4	1	1	1	1	0	0	5	12	1	1	1	5	3	2	35	
27	16-911A1227	5	4	1	1	1	1	0	0	5	12	1	1	0	5	4	2	8	
28	16-911A1228	5	9	1	1	1	2	2	2	5	16	1	1	1	1	4	4	5	46
29	16-911A1230	5	8	1	1	1	2	2	1	5	9	1	1	1	2	2	2	34	
30	16-911A1231	5	18	2	1	1	5	5	4	5	20	2	2	2	4	5	5	66	
31	16-911A1232	5	14	1	1	0	0	1	1	5	12	2	2	2	3	4	0	61	
32	16-911A1233	5	19	2	2	2	5	5	3	5	19	2	2	2	4	5	4	70	
33	16-911A1234	5	6	1	1	1	1	1	1	1	14	1	1	1	1	5	4	2	45
34	16-911A1235	5	16	1	1	0	5	5	4	5	20	2	2	2	4	5	5	72	
35	16-911A1236	5	15	2	1	0	4	4	4	5	11	1	1	0	0	4	5	39	
36	16-911A1237	5	20	2	2	2	5	5	4	5	20	2	2	2	2	4	5	73	
37	16-911A1238	5	9	1	1	1	2	2	2	5	9	1	1	1	2	2	2	57	
38	16-911A1239	5	10	1	1	1	3	2	2	5	18	1	1	1	2	4	5	53	
39	16-911A1240	5	0	0	0	0	0	0	0	5	9	1	1	1	1	2	2	3	
40	16-911A1241	5	18	2	2	1	4	5	4	5	18	2	2	2	4	4	4	66	
41	16-911A1242	5	20	2	2	2	5	5	4	5	19	2	2	2	4	4	5	31	
42	16-911A1243	5	12	1	1	1	3	3	3	5	18	2	2	2	4	4	4	36	
43	16-911A1244	5	18	2	2	0	5	5	4	5	19	2	2	2	3	5	5	43	
44	16-911A1245	5	15	2	2	2	0	5	4	5	20	2	2	2	4	5	5	36	
45	16-911A1246	5	14	2	2	2	2	2	4	5	19	2	2	2	4	5	4	42	
46	16-911A1247	5	13	2	2	1	5	0	3	5	19	2	2	2	1	4	5	5	54
47	16-911A1248	5	13	2	2	1	5	0	3	5	12	2	2	2	4	1	2	47	
48	16-911A1249	5	14	2	2	2	1	5	2	5	19	2	2	1	4	5	5	58	
49	16-911A1250	5	20	2	2	2	5	5	4	5	20	2	2	2	4	5	5	48	
50	16-911A1251	5	9	1	1	1	2	2	2	5	9	1	1	1	2	2	2	46	
51	16-911A1252	5	2	1	1	1	2	1	2	5	14	2	2	3	2	2	2	4	46
52	16-911A1253	5	9	1	1	1	1	1	1	5	11	1	1	0	3	4	2	46	
53	16-911A1254	5	9	1	1	1	2	2	2	5	11	1	1	0	3	4	2	43	
54	16-911A1257	5	18	1	2	2	5	5	3	5	20	2	2	2	4	5	5	53	
55	16-911A1258	5	17	2	2	2	4	4	3	5	20	2	2	2	4	5	5	58	
56	16-911A1259	5	9	1	1	1	2	2	2	5	16	1	2	2	3	4	4	46	
57	16-911A1260	5	12	1	1	0	5	3	2	5	14	1	1	0	2	5	5	63	
58	15-911A1235	5	11	1	1	1	2	2	2	5	17	1	1	1	1	5	5	4	60
59	15-911A1231	5	11	1	1	1	2	2	2	5	11	1	2	2	2	2	2	4	46
60	15-911A1246	5	8	1	1	1	1	2	2	5	12	2	2	2	2	2	2	2	26



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Average mark	5.0	13.1	1.4	1.4	1.2	3.3	3.0	2.6	5.0	15.5	1.5	1.5	1.3	3.7	4.1	3.5	53.0
Min student	60	58	58	58	58	58	58	58	59	59	59	59	59	59	59	59	60
% of students scored																	85.00
% of students scored	100.00	62.07	98.28	98.28	86.21	62.07	56.90	79.31	100.00	79.66	100.00	98.31	81.36	94.92	83.05	81.36	80.00
% of students scored																	60.00
CO ATTAINMENT LEVEL	3.0	1.0	3.0	3.0	3.0	1.0	0.0	2.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

ASSESSMENT OF COs FOR THE COURSE							
COs	Method	value	CO Attainment	Assignments	CO Attainment (Internal - Theory)	CO Attainment (End Exam)	Overall CO Attainment
CO1	MI Q1	3.0	2.0	3.0	2.5	3.00	2.93
	MI Q5	1.0					
CO2	MI Q2	3.0	1.5				
	MI Q6	0.0					
CO3	MI Q3	3.0	2.8				
	MI Q7	2.0					
	M2 Q1	3.0					
	M2 Q4	3.0					
CO4	M2 Q2	3.0	3.0				
	M2 Q5	3.0					
CO5	M2 Q3	3.0	3.0				
	M2 Q6	3.0					



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CO ATTAINMENT (2017-21 Batch)

S.No	Course	Attainment
C101	English-I	2.93
C102	Mathematics - I	2.32
C103	Engineering Physics – I	2.27
C104	C Programming - I	2.20
C105	Engineering Chemistry	2.24
C106	Engineering Graphics	2.30
C107	English Language Communication Skills Lab – I	3.00
C108	C Programming Lab- I	3.00
C109	Engineering Physics and Chemistry Lab	3.00
C110	IT Workshop	3.00
S.No	Course	Attainment
C111	English-II	2.90
C112	Mathematics – II	2.20
C113	Engineering Physics-II	2.35
C114	C Programming – II	2.24
C115	Mathematics – III	2.28
C116	Basic Electrical Engineering	2.15



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C117	English Language Communication Skills Lab – II	3.00
C118	C Programming Lab - II	3.00
C119	Engineering Workshop	3.00
S.No	Course	Attainment
C201	Probability & Statistics	2.83
C202	Mathematical Foundations of Computer Science	2.84
C203	Data Structures	2.98
C204	Digital Logic Design	2.29
C205	Object Oriented Programming	2.31
C206	Electronic Devices & Circuits	2.23
C207	Data Structures Lab	2.97
C208	Electronic Devices & Circuits and Digital Logic Design Lab	2.97
C209	Mandatory Course-I	2.78
S.No	Course	Attainment
C210	Design and Analysis of Algorithms	2.89
C211	Computer Organization	2.81
C212	Database Management Systems	2.29
C213	Software Engineering	2.80
C214	Java Programming	2.88



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C215	Environmental Science	2.77
C216	Java Programming Lab	2.97
C217	Database Management Systems lab	2.97
C218	Mandatory Course-II	2.89
S.No	Course	Attainment
C301	Linux Programming	2.36
C302	Computer Networks	2.96
C303	Operating Systems	2.34
C304	Cloud Computing	2.32
C305	Principles of Programming Languages	2.88
C306.1	OE : Smart City	2.34
C306.2	Elements of Mechanical Engineering	2.74
C306.3	Energy Management	2.78
C306.4	Introduction to Microcontroller and Applications	2.70
C306.5	Product Engineering	2.92
C306.6	Non Conventional Energy Sources	2.33
C306.7	Total Quality management	2.82
C306.8	Remote Sensing &GIS	2.26
C307	Operating Systems & Computer Networks lab through LINUX	2.95
C308	Advanced Communication Skills Lab	2.95



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C309	Quantitative Methods & Logical Reasoning	2.29
S.No	Course	Attainment
C310	Web Technologies	2.32
C311	Automata & Compiler Design	2.34
C312	Data Warehousing & Data Mining	2.35
C313	Managerial Economics & Financial Analysis	2.36
C314	Object Oriented Analysis & Design	2.95
C315.1	OE2: Environmental Pollution and Control Methods	2.91
C315.2	Green Building Technology	2.94
C315.3	Energy Audit and Conservation	2.83
C315.4	PEPU	2.83
C315.5	Basic Automobile Engineering	2.94
C315.6	Material Science Engineering	2.91
C315.7	Nutrition and Biological Chemistry	2.81
C315.8	Financial Institution and Market	2.25
C316	Web Technologies Lab	2.95
C317	Data Mining & Case Tools Lab	2.94
C318	Personality Development & Behavioral Skills	2.93
S.No	Course	Attainment



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C401	Mobile Application Development	2.31
C402	Information Security	2.95
C403	Software Testing Methodologies	2.35
C404	Big Data Analytic	2.94
C405	Advanced Databases	2.90
C406.1	OE3: Elements of Civil Engineering	2.94
C406.2	Introduction to Earthquake Engineering	2.81
C406.3	Electric Vehicles and Hybrid Vehicles	2.87
C406.4	Energy Storage System	2.68
C406.5	Maintenance and Safety Engineering	2.96
C406.6	MAT LAB	2.92
C406.7	optimization techniques	2.87
C406.8	Fundamentals of Entrepreneurship	2.37
C407	Mobile Application Development Lab	2.95
C408	Hadoop & Big Data Lab	2.95
C409	Mini Project	2.95
S.No	Course	Attainment
C410	Design Patterns	2.30
C411	E-Commerce	2.35
C412	Semantic Web and Social Networks	2.37



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C413	Technical Seminar	2.96
C414	Comprehensive Viva-Voce	2.96
C415	Major Project	2.95

Co attainment (16-20 batch)

S.No	Course	Attainment
C101	English-I	2.92
C102	Mathematics - I	2.3
C103	Engineering Physics – I	2.25
C104	C Programming - I	2.16
C105	Engineering Chemistry	2.21
C106	Engineering Graphics	2.25
C107	English Language Communication Skills Lab – I	3.00
C108	C Programming Lab- I	3.00
C109	Engineering Physics and Chemistry Lab	3.00
C110	IT Workshop	3.00
S.No	Course	Attainment
C111	English-II	2.86
C112	Mathematics – II	2.15
C113	Engineering Physics-II	2.35
C114	C Programming – II	2.2
C115	Mathematics – III	2.26
C116	Basic Electrical Engineering	2.12
C117	English Language Communication Skills Lab – II	3.00
C118	C Programming Lab - II	3.00



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C119	Engineering Workshop	3.00
S.No	Course	Attainment
C201	Probability & Statistics	2.67
C202	Mathematical Foundations of Computer Science	2.95
C203	Data Structures	2.91
C204	Digital Logic Design	2.71
C205	Object Oriented Programming	1.54
C206	Electronic Devices & Circuits	2.22
C207	Data Structures Lab	2.97
C208	Electronic Devices & Circuits and Digital Logic Design Lab	2.96
C209	Mandatory Course-I	2.80
S.No	Course	Attainment
C210	Design and Analysis of Algorithms	2.31
C211	Computer Organization	2.33
C212	Database Management Systems	2.26
C213	Software Engineering	2.23
C214	Java Programming	2.30
C215	Environmental Science	2.88
C216	Java Programming Lab	2.97
C217	Database Management Systems lab	2.98
C218	Mandatory Course-II	2.97
S.No	Course	Attainment
C301	Linux Programming	2.28
C302	Computer Networks	2.26



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C303	Operating Systems	2.87
C304	Cloud Computing	2.89
C305	Principles of Programming Languages	2.86
C306.1	OE: SC (Smart City)	3.00
C306.2	EME(Elements of Mechanical Engineering)	2.62
C306.3	PE (Product Engineering)	2.99
C306.4	IMA (Introduction to Micro-Controller and Applications)	2.82
C306.5	BEI (Basic Electronic Instrumentation)	2.76
C306.6	NCES (Non-Conventional Energy Sources)	2.84
C306.7	TQM (Total Quality Management)	2.99
C306.8	RS&GIS (Remote Sensing and Geographical Information Systems)	2.84
C307	Operating Systems & Computer Networks lab through LINUX	2.97
C308	Advanced Communication Skills Lab	2.97
C309	Quantitative Methods & Logical Reasoning	2.22
S.No	Course	Attainment
C310	Web Technologies	2.30
C311	Automata & Compiler Design	2.29
C312	Data Warehousing & Data Mining	2.33
C313	Managerial Economics & Financial Analysis	2.24
C314	-Object Oriented Analysis & Design	2.32
C315.1	OE2: EPCM(Environmental Pollution and Control Methods)	3.00
C315.2	GBT (Green Building Techniques)	2.90
C315.3	EAC (Energy audit and Conservation)	2.96
C315.4	PEPU (Principles of Electronic Power Utilization)	2.32
C315.5	BAE (Basic Automobile Engineering)	2.91
C315.6	MSE(Materials Science Engineering)	2.39



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C315.7	FES (Fundamentals of Embedded Systems)	2.83
C315.8	PC (Principles of Communication)	2.91
C315.9	FIM (Financial Institutions and Markets)	2.88
C315.10	FNST (Fundamental of Nano-Science and Technology)	3.00
C316	Web Technologies Lab	2.96
C317	Data Mining & Case Tools Lab	2.98
C318	Personality Development & Behavioral Skills	3.00
S.No	Course	Attainment
C401	Mobile Application Development	2.29
C402	Information Security	2.37
C403	Software Testing Methodologies	2.29
C404	Big Data Analytic	2.38
C405	Advanced Databases	2.38
C406.1	OE3: ECE (Elements of Civil Engineering)	2.94
C406.2	IEE (Introduction to Earthquake Engineering)	2.85
C406.3	EVHV (Electric Vehicles and Hybrid Vehicles)	3.00
C406.4	ESS (Energy Storage Systems)	2.92
C406.5	MSE (Maintenance and Safety Engineering)	2.38
C406.6	MAT LAB	2.30
C406.7	FE (Fundamentals of Entrepreneurship)	2.89
C407	Mobile Application Development Lab	2.98
C408	Hadoop & Big Data Lab	2.98
C409	Mini Project	2.96
S.No	Course	Attainment
C410	Design Patterns	2.968



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C411	E-Commerce	2.92
C412	Semantic Web and Social Networks	2.912
C413	Technical Seminar	2.982
C414	Comprehensive Viva-Voce	2.98
C415	Major Project	2.978

CO - Indirect Attainment Evaluation:

Course End Survey: At the end of each semester a questionnaire is distributed to all the enrolled students and feedback is collected on effectiveness of the course. The questionnaire is prepared to know the level mapping of the Course Outcome with the framed Course content.



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Data Structures		High	Moderate	Low
Course End Survey Dear Student, We need your help in evaluating the courses offered, by responding the short survey below. Please select the level to which you Moderate with the following criterion. (3: High 2: Moderate 1: Low)	CO1; Analyze the representation of various data structures and implement the mechanisms of Stacks and Queues with their applications.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	CO2; Implement the operations like searching, insertion, deletion and traversing mechanisms on Binary Trees	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	CO3; Implement various advance concepts of trees with real time applications	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	CO4; Implement various algorithms on graph data structures, including finding the minimum spanning tree, shortest path with real time applications, etc.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	CO5; Outline the concepts of hashing collision and its resolution methods using hash function.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

II B.Tech: I Sem IT (2016-20)

Student Name: K. Vignesh

Roll Number: 1601141024

Fig. 3.2.4 Sample of Course End Survey Form



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3.3 Attainment of Program Outcomes and Program Specific Outcomes (50)

3.3.1 Describe the assessment tools and processes used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes (10)

Assessment tools of Program Outcomes and Program Specific Outcomes for (Regulation R-15):

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

Process for Direct and In-Direct Assessment :

Direct Assessment:

Consider CO attainment value for each course obtained from CO direct assessment process.

In-Direct Assessment:

Graduate Exit Survey (PO Attainment form): At the end of 4 years after graduation, a questionnaire is given to graduates to obtain feedback on the below mentioned parameters.

- Awareness of POs and PSOs
- Relevance of courses with respect to POs and PSOs



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- Effectiveness of Co-curricular and extracurricular activities
- Effectiveness of Infrastructural facilities towards the achievement of POs and PSOs
- Feedback on Industry-Institute Interaction
- Effectiveness of teaching and learning process
- Suggestions for improvement



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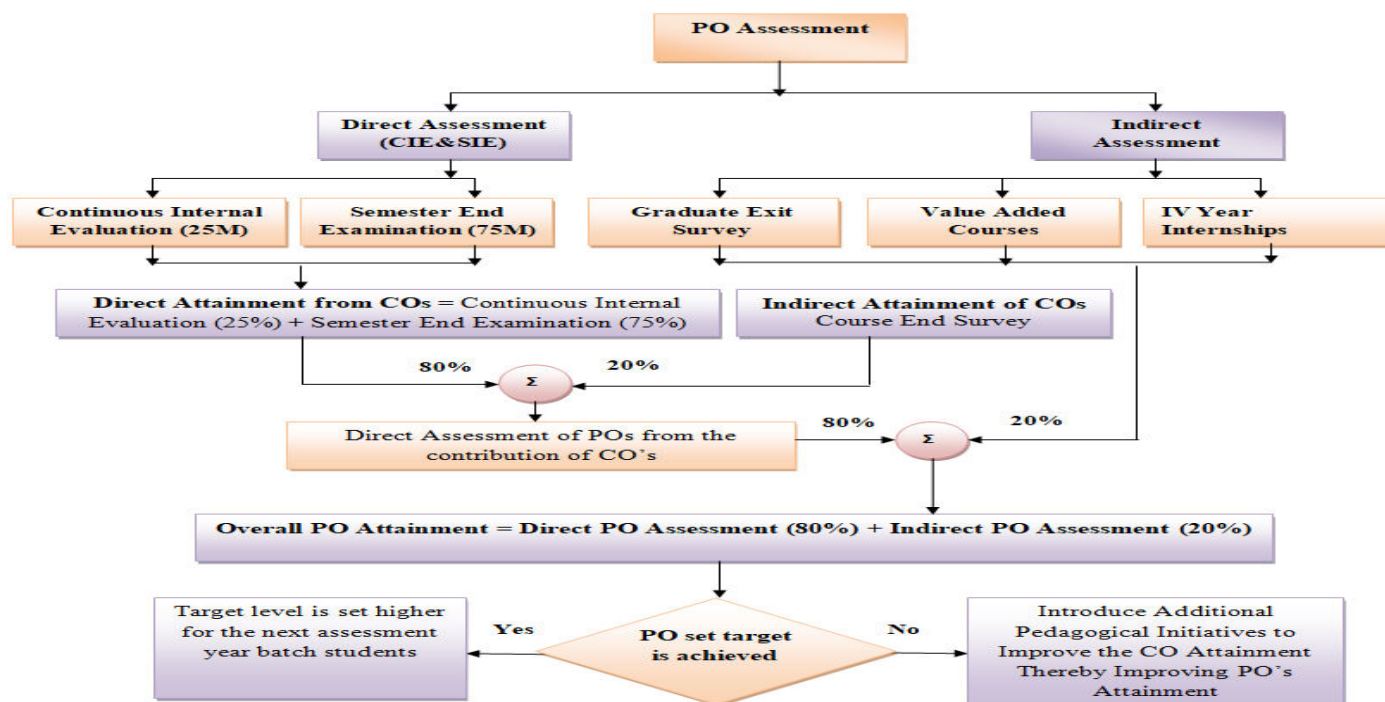


Fig. 3.3.1 Process of PO Assessment

HOD ---- Head of the Department

PAC ----- Programme Assessment Committee

DAB ---- Department Advisory Board

For PO Attainment Level (80% of Direct Assessment + 20% of Indirect Assessment) is considered.



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Program Outcomes/Program Specific Outcomes - Survey Form

Dear Student

Based on your own experience during your tenure in the college rate the following attributes towards computation of Program Outcomes and Program Specific Outcomes.

Email *

subaran.sukesh05@gmail.com

POs/PSOs Survey 2015-19 Batch

Name

S.Sukesh Kumar

Roll Number

15911A1253

Program Outcomes

Based on your own experience please rate the following attributes: (3:High 2: Moderate 1:Low)

	3	2	1
P01. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
P02. Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
P03. 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 public health and safety, and cultural, societal, and environmental considerations.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
P04. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

<https://docs.google.com/forms/d/1pxJebtr9TcBf4g4TcMQNPYCLjpcGs1e8CCONLxB7oIedtt#response=ACYDBNjm-pvpX8AfeY95QicN4UdxYKXOy...> 1/5

<https://docs.google.com/forms/d/1pxJebtr9TcBf4g4TcMQNPYCLjpcGs1e8CCONLxB7oIedtt#response=ACYDBNjm-pvpX8AfeY95QicN4UdxYKXOy...> 2

Fig. 3.3.2 Sample of PO attainment Survey form



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3.3.2 Provide results of evaluation of PO & PSO (40)

Program shall set Program Outcome attainment levels for all POs & PSOs.

The attainment levels by direct (student performance) and indirect (surveys) are to be presented through Program level Course – PO & PSO matrix as indicated.

BATCH(16-20) Direct PO attainment

S.No	Course Id	Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1.	C101	English-I	-	2.26	1.94	-	2.92	2.43	1.94	2.67	-	2.53	1.94	2.92
2.	C102	Mathematics - I	2.15	1.86	2	1.43	1.86	1.43	1.57	1.43	-	1.43	-	-
3.	C103	Engineering Physics – I	1.95	1.95	1.65	1.5	-	-	1.87	1.54	-	-	1.54	1.95
4.	C104	C Programming - I	2	2	2	2.16	1.44	-	-	-	-	-	1.44	2.01
5.	C105	Engineering Chemistry	2.16	1.92	1.8	1.44	1.44	1.44	1.44	-	-	-	1.5	1.72
6.	C106	Engineering Graphics	2.25	2.25	2.25	2.25	1.5	1.5	-	-	1.87	2.25	-	1.81
7.	C107	English	3	3	-	2	-	2.33	-	3	2.5	3	-	3



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		Language Communication Skills Lab – I												
8.	C108	C Programming Lab- I	2.8	3	3	2.8	2.33	2	-	-	-	-	2	3
9.	C109	Engineering Physics and Chemistry Lab	3	3	2.5	2.66	2.5	-	2	-	-	2	-	2.4
10.	C110	IT Workshop	2	-	-	-	-	-	2.5	2.5	-	2.5	-	2.8
11.	C111	English-II	-	2.38	-	1.9	-	1.9	1.9	2.38	1.9	2.38	2.38	2.66
12.	C112	Mathematics – II	1.72	1.43	1.72	1.25	1.43	1.66	0.71	-	1.29	1	-	1
13.	C113	Engineering Physics-II	2.03	1.95	1.88	1.77	-	-	1.95	-	-	-	1.56	2.03
14.	C114	C Programming – II	2.2	2.2	2.05	2.2	1.46	1.61	-	-	-	-	1.9	1.9
15.	C115	Mathematics – III	2.26	2.01	1.69	1.5	1.75	1.65	1.88	-	-	-	1.8	1.95



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16.	C116	Basic Electrical Engineering	2.12	2.12	1.94	1.41	1.55	1.69	-	-	1.41	-	-	1.83
17.	C117	English Language Communication Skills Lab – II	-	2	-	-	-	2	-	2.5	2.5	2.8	2.33	2.8
18.	C118	C Programming Lab - II	2.6	2.5	2.4	2.4	2	-	2.4	2	2.5	2.5	-	2.4
19.	C119	Engineering Workshop	2.75	2	2.4	2	2	2	2.4	2.5	2.2	2.6	-	2.4
20.	C201	Probability & Statistics	2.67	2.67	2.31	1.78	1.35	0.89	1.24	-	1.42	1.6	1.95	2.13
21.	C202	Mathematical Foundations of Computer Science	2.95	2.95	2.95	2.95	1.96	2.45	1.96	1.57	1.96	1.96	1.96	2.95
22.	C203	Data Structures	2.91	2.91	2.91	2.91	2.91	0.97	0.97	0.97	2.91	1.94	1.94	1.94
23.	C204	Digital Logic	2.71	2.48	2.48	2.25	2.03	1.26	-	0.9	2.03	1.58	2.03	2.03



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		Design												
24.	C205	Object Oriented Programming	1.54	1.43	1.43	1.12	1.02	0.51	0.51	0.61	1.02	1.02	1.02	1.12
25.	C206	Electronic Devices & Circuits	1.92	1.77	1.77	1.77	0.74	1.92	-	1.48	1.48	1.48	-	-
26.	C207	Data Structures Lab	2.97	2.97	2.97	2.97	2.97	1.98	0.99	0.99	1.98	1.98	2.97	2.97
27.	C208	Electronic Devices & Circuits and Digital Logic Design Lab	2.96	2.76	2.17	2.96	2.96	2.76	2.17	2.96	2.96	-	-	0.98
28.	C209	Mandatory Course-I	1.86	1.86	1.86	1.86	1.86	2.8	1.86	1.86	1.86	1.86	1.86	1.86
29.	C210	Design and Analysis of Algorithms	2.31	2.31	2.15	2.15	1.69	1.69	1.69	1.69	2.15	2.15	0.92	2.31
30.	C211	Computer Organization	2.17	2.17	2.17	2.17	2.17	0.77	1.86	0.93	1.86	2.01	1.55	2.17



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31.	C212	Database Management Systems	2.26	2.26	2.26	1.8	1.5	1.5	1.5	1.5	2.26	2.26	1.8	1.5
32.	C213	Software Engineering	2.08	1.63	1.76	1.63	1.63	1.33	1.04	1.18	1.76	2.08	1.48	2.08
33.	C214	Java Programming	2.3	2.3	2.3	2.3	2.3	1.53	0.76	0.76	2.3	0.81	2.3	2.3
34.	C215	Environmental Science	2.88	2.88	2.88	2.88	2.68	1.92	1.92	1.92	2.11	2.16	2.42	2.5
35.	C216	Java Programming Lab	2.92	2.92	2.72	1.94	2.92	1.36	0.97	0.97	2.33	0.97	2.92	1.94
36.	C217	Database Management Systems lab	2.98	2.98	2.98	2.98	2.98	1.98	1.98	1.98	2.9	1.98	2.9	1.98
37.	C218	Mandatory Course-II	0.99	-	-	-	-	1.98	1.98	2.97	2.72	2.72	1.98	2.5
38.	C301	Linux Programming	2.28	2.28	2.12	1.82	1.36	0.76	0.91	0.91	1.45	1.33	1.82	1.52
39.	C302	Computer	1.5	2.26	2.26	2.26	2.26	1.5	1.65	1.05	1.65	2.26	1.8	1.5



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		Networks												
40.	C303	Operating Systems	2.87	2.14	1.91	1.91	1.91	0.95	0.95	0.95	1.91	1.91	1.91	1.91
41.	C304	Cloud Computing	2.9	2.7	2.9	1.93	1.54	0.96	0.96	1.93	1.74	1.93	2.32	1.93
42.	C305	Principles of Programming Languages	2.86	2.86	2.86	1.9	1.9	0.95	0.95	0.95	1.9	1.9	1.71	2.14
43.	C306.1	Smart City	2	2	2	2	3	2	2	2	2	1	2	2
44.	C306.2	Elements of Mechanical Engineering	1.74	1.74	2.62	1.74	-	2.62	-	-	-	-	-	-
45.	C306.3	Product Engineering	1.98	1.98	1.98	1.98	1.98	1.98	1.98	0.98	-	-	-	1.98
46.	C306.4	Introduction to Micro-Controller and Applications	2.82	2.82	2.82	2.82	2.82	2.82	1.88	-	1.88	-	1.88	2.82
47.	C306.5	Basic Electronic Instrumentation	2.76	2.76	2.76	2.76	0.92	-	1.84	-	1.84	0.92	-	2.76
48.	C306.6	Non-Conventional Energy	2.84	2.13	2.6	2.84	0.94	2.13	2.13	0.94	-	0.94	0.94	-



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		Sources												
49.	C306.7	Total Quality Management	2	1	2.6	2.33	2.25	2	2.99	1	2.99	2.4	1.44	2.99
50.	C306.8	Remote Sensing & GIS	1.89	1.89	2.84	1.89	1.89	1.89	1.89	-	0.8	1.89	1.89	1.89
51.	C307	Operating Systems & Computer Networks lab through LINUX	2.97	2.97	2.97	2.97	2.97	2.97	1.98	1.98	1.98	0.99	1.98	1.98
52.	C308	Advanced Communication Skills Lab	1.97	1.45	1.18	1.63	1.7	2.1	1.98	2.4	2.4	2.5	1.7	1.4
53.	C309	Quantitative Methods & Logical Reasoning	2.22	2.22	-	2.01	-	-	1.48	1.48	1.1	-	-	2.22
54.	C310	Web Technologies	2.3	2.3	2.3	2.3	2.3	1.53	1.53	1.53	1.53	1.99	2.3	1.53
55.	C311	Automata & Compiler	2.29	1.83	1.52	1.22	0.76	0.76	0.76	0.76	1.52	1.52	-	1.52



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		Design												
56.	C312	Data Warehousing & Data Mining	2.33	2.33	2.33	2.33	2.33	2.01	1.54	1.39	1.54	1.54	1.54	1.54
57.	C313	Managerial Economics & Financial Analysis	-	0.75	2.26	1.5	1.5	1.88	1.5	1.5	1.5	-	2.24	1.9
58.	C314	Object Oriented Analysis & Design	1.54	2.32	2.32	2.32	2.32	1.23	1.23	1.37	1.7	2.32	1.85	2.32
59.	C315.1	Environmental Pollution and Control Methods	2	2	2	2	2	1	1	1	1	1	-	1
60.	C315.2	Green Building Techniques	1.93	1.93	1.93	1.93	1.93	1.93	2.9	1.93	1.93	0.96	1.93	0.96
61.	C315.3	Energy Audit and Conservation	2.96	1.97	0.98	1.97	-	0.98	1.97	0.98	-	0.98	0.98	0.98



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62.	C315.4	Principles of Electronic Power Utilization	2.32	2.32	2.32	1.54	-	1.54	0.77	-	-	-	0.77	-
63.	C315.5	Basic Automobile Engineering	1.94	0.98	0.98	2.91	-	-	2.98	1.94	-	-	-	0.98
64.	C315.6	Material Science Engineering	1.59	1.59	-	1.59	0.79	-	-	-	-	-	-	0.79
65.	C315.7	Fundamentals of Embedded Systems	2.83	2.83	2.83	2.83	0.94	0.94	0.94	0.94	1.88	1.13	1.69	2.6
66.	C315.8	Principles of Communication	2.91	2.91	1.94	1.94	2.91	2.13	1.35	1.55	2.91	2.91	2.91	2.91
67.	C315.9	Financial Institutions and Markets	1.92	2.88	2.88	2.88	2.88	1.92	1.92	1.92	1.92	2.88	1.92	2.88
68.	C315.10	Fundamentals of Nano Science and	3.00	-	2.25	-	-	2.25	2.80	-	-	-	-	3.00



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		Technology												
69.	C316	Web Technologies Lab	2.96	2.96	2.96	1.97	2.96	2.3	0.98	1.97	2.31	1.97	2.56	1.97
70.	C317	Data Mining & Case Tools Lab	2.98	2.98	2.98	2.98	2.98	2.98	0.98	1.98	1.98	1.98	2.4	1.98
71.	C318	Personality Development & Behavioral Skills	-	-	-	-	-	-	-	2	1.75	3	1	2.6
72.	C401	Mobile Application Development	2.29	2.29	1.98	1.8	1.8	1.8	1.52	1.67	1.8	1.3	1.8	1.98
73.	C402	Information Security	2.37	2.37	1.6	1.58	1.58	1.58	1.58	1.58	1.58	0.93	1.58	1.58
74.	C403	Software Testing Methodologies	2.29	1.83	1.87	2.1	2.29	-	-	0.76	1.67	0.76	2.29	1.67
75.	C404	Big Data Analytic	2.06	1.42	1.42	1.03	2.06	1.03	0.79	0.79	1.26	1.18	0.79	1.26



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76.	C405	Advanced Databases	2.38	1.42	1.26	1.26	1.11	1.05	0.77	0.77	1	0.77	0.84	0.77
77.	C406.1	Elements of Civil Engineering	2.94	2.94	2.94	2.94	2.94	2.94	2.94	1.9	2.94	2.94	1.91	2.94
78.	C406.2	Introduction to Earthquake Engineering	2.85	1.9	1.9	--	1	1.9	1.9	1	-	-	-	1
79.	C406.3	Electric Vehicles and Hybrid Vehicles	3	3	2.5	2	-	1	1	-	-	-	1	1
80.	C406.4	Energy Storage Systems	2.92	2.92	2.92	2.92	2.92	2.92	2.92	1.9	2.92	2.92	1.9	2.92
81.	C406.5	Maintenance and Safety Engineering	0.79	1.52	1.52	0.79	0.79	-	-	-	-	0.79	1.52	-
82.	C406.6	MAT LAB	1.53	2.3	1.53	1.53	1.53	-	1.53	-	-	1.53	-	1.53
83.	C406.7	Fundamentals of Entrepreneur	2.89	2.89	2.89	2.89	2.89	2.89	2.89	1.9	1.9	2.89	2.89	2.89



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84.	C407	Mobile Application Development Lab	2.98	2.98	2.2	1.6	2.98	0.98	0.98	0.98	1.98	1.98	1.98	0.98
85.	C408	Hadoop & Big Data Lab	2.98	2.98	2.98	2.98	2.98	2.98	2.98	1.98	2.8	2.98	2.5	2.7
86.	C409	Mini Project	2.96	2.96	2.4	2.96	2.96	1.98	1.98	1.98	2.96	2.8	2.96	1.98
87.	C410	Design Patterns	2.96	1.77	1.57	1.57	1.38	1.2	0.97	0.97	1.2	0.97	1.2	0.98
88.	C411	E-Commerce	1.94	1.94	1.94	1.94	1.94	1.94	1.75	1.94	1.94	1.94	1.94	1.94
89.	C412	Semantic Web and Social Networks	2.91	1.74	1.12	1.12	1.35	1.28	0.97	0.97	1.12	1.94	1.12	0.97
90.	C413	Technical Seminar	2.98	2.98	1.98	0.98	1.98	1.98	0.98	2.98	-	2.98	1.98	1.98
91.	C414	Comprehensive Viva-Voce	2.98	2.98	1.97	0.97	1.97	1.98	0.98	2.98	1.97	2.98	1.97	1.97
92.	C415	Major Project	2.97	2.97	1.97	0.97	1.97	1.97	0.97	2.97	2.97	2.97	1.97	1.97
			2.41	2.29	2.20	2.05	2.00	1.76	1.63	1.62	1.96	1.92	1.86	1.99



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DEPARTMENT OF INFORMATION TECHNOLOGY

BATCH 2016-20												
	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	2.41	2.29	2.20	2.05	2.00	1.76	1.63	1.62	1.96	1.92	1.86	1.99
Indirect Attainment	2.97	2.68	2.97	2.94	2.82	2.86	2.65	2.82	2.88	2.92	2.97	2.92
POs Attainment (80% of DA + 20% of IDA)	2.52	2.37	2.36	2.23	2.17	1.98	1.83	1.86	2.14	2.12	2.08	2.18

PO (17-21 Batch)

S.No		Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1.	C101	English-I		2.27	1.95		2.93	2.44	1.95	2.69		2.54	1.95	2.93
2.	C102	Mathematics - I	2.01	2.17	1.55	2.06	1.55	1.70	1.55		1.55			2.01
3.	C103	Engineering Physics – I	1.97	2.02	1.66	1.51			1.89	1.51			1.51	1.97
4.	C104	C Programming -	2.05	2.05	2.05	2.20	1.47						1.47	2.02



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		I												
5.	C105	Engineering Chemistry	2.24	1.99	1.87	1.49	1.49	1.49	1.49				1.64	1.79
6.	C106	Engineering Graphics	2.30	2.30	2.30	2.30	1.53	1.53			1.92	2.30		1.84
7.	C107	English Language Communication Skills Lab – I	3.00	3.00		2.00		2.33		3.00	2.50	3.00		3.00
8.	C108	C Programming Lab- I	2.80	3.00	3.00	2.80	2.33	2.00					2.00	3.00
9.	C109	Engineering Physics and Chemistry Lab	3.00	3.00	2.50	2.66	2.50		2.00			2.00		2.40
10.	C110	IT Workshop	2.00						2.50	2.50		2.50		2.80
11.	C111	English-II		2.42		1.93		1.93	1.93	2.42	1.93	2.42	2.42	2.71
12.	C112	Mathematics – II	1.76	1.47	1.76	1.28	1.47	1.71	0.73		1.32			1.03
13.	C113	Engineering	2.03	1.95	1.88	1.77			1.95				1.56	2.03



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		Physics-II												
14.	C114	C Programming – II	2.24	2.24	2.09	2.24	1.49	1.64					1.94	1.94
15.	C115	Mathematics – III	2.28	2.02	1.71	1.52	1.77	1.67	1.90				1.82	1.98
16.	C116	Basic Electrical Engineering	2.15	2.15	1.97	1.43	1.58	1.72			1.43			1.86
17.	C117	English Language Communication Skills Lab – II		2.00				2.00		2.50	2.50	2.80	2.33	2.80
18.	C118	C Programming Lab - II	2.60	2.50	2.40	2.40	2.00		2.40	2.00	2.50	2.50		2.40
19.	C119	Engineering Workshop	2.75	2.00	2.40	2.00	2.00	2.00	2.40	2.50	2.20	2.60		2.40
20.	C201	Probability & Statistics	2.83	2.83	2.45	1.89	1.42	0.94	1.32		1.51	1.70	2.08	2.26



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21.	C202	Mathematical Foundations of Computer Science	2.84	2.84	2.84	2.84	1.89	2.37	1.89	1.51	1.89	1.89	1.89	2.84
22.	C203	Data Structures	2.98	2.98	2.98	2.98	2.98	0.99	0.99	0.99	2.98	1.99	1.99	1.99
23.	C204	Digital Logic Design	2.29	2.10	2.10	1.91	1.72	1.07		0.98	1.72	1.34	1.72	1.72
24.	C205	Object Oriented Programming	2.31	2.16	2.16	1.69	1.54	0.77	0.77	0.92	1.54	1.54	1.54	1.69
25.	C206	Electronic Devices & Circuits	1.93	1.78	1.78	1.78	0.74	1.93		1.49	1.49	1.49		
26.	C207	Data Structures Lab	2.97	2.97	2.97	2.97	2.97	1.98	0.99	0.99	1.98	1.98	2.97	2.97
27.	C208	Electronic Devices & Circuits and Digital Logic Design Lab	2.97	2.77	2.17	2.97	2.97			0.99	1.98	2.97	2.97	
28.	C209	Mandatory	1.85	1.85	1.85	1.85	1.85	2.78	1.85	2.78	1.85	1.85	2.78	1.85



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		Course-I												
29.	C210	Design and Analysis of Algorithms	2.89	2.89	2.69	2.69	2.11	1.92	1.92	1.92	2.69	2.69	1.15	2.89
30.	C211	Computer Organization	2.62	2.62	2.62	2.62	2.62	0.93	2.24	1.12	2.24	2.43	1.87	2.62
31.	C212	Database Management Systems	2.29	2.29	2.29	1.83	1.53	1.53	1.53	1.53	2.29	2.29	1.83	1.53
32.	C213	Software Engineering	2.61	2.05	2.24	2.05	2.05	1.68	1.30	1.49	2.24	2.61	1.86	2.61
33.	C214	Java Programming	2.88	2.88	2.88	2.88	2.88	1.92	0.93	0.93	2.88	1.53	2.88	2.88
34.	C215	Environmental Science	2.77	2.77	2.77	2.77	2.58	1.84	1.84	1.84	2.03	2.03	2.45	2.21
35.	C216	Java Programming Lab	2.97	2.97	2.77	1.98	2.97	1.38	0.99	0.99	2.97	0.99	2.97	1.98
36.	C217	Database Management	2.97	2.97	2.97	2.97	2.97	1.98	1.98	1.98	2.97	1.98	2.77	1.98



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		Systems lab												
37.	C218	Mandatory Course-II	0.96					1.92	1.92	2.89	2.64	2.64	2.94	2.50
38.	C301	Linux Programming	2.36	2.36	2.20	1.88	1.41	0.78	0.94	0.94	1.37	1.37	1.88	1.57
39.	C302	Computer Networks	1.97	2.96	2.96	2.96	2.96	1.97	2.17	1.38	2.20	2.96	2.36	1.97
40.	C303	Operating Systems	2.34	1.87	1.56	1.56	1.56	0.78	0.78	0.78	1.56	1.56	1.56	1.56
41.	C304	Cloud Computing	2.32	2.16	1.39	1.54	1.23	0.77	0.77	1.54	1.39	1.54	1.85	1.54
42.	C305	Principles of Programming Languages	2.88	2.88	2.88	1.92	1.92	0.96	0.96	0.96	1.92	1.92	1.72	2.16
43.	C306.1	OE : Smart City	1.56	1.56	1.56	1.56	2.34	1.56	1.56	1.56	1.56	0.78	1.56	1.56
44.	C306.2	Elements of Mechanical Engineering	1.83	1.83	2.74	1.83		2.74						
45.	C306.3	Energy	2.78	1.85	0.92	1.39		0.92	1.85	0.92		1.23	1.23	0.92



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		Management												
46.	C306.4	Introduction to Microcontroller and Applications	2.70	2.70	2.70	2.70	2.70	2.70	1.80		1.80		1.80	2.70
47.	C306.5	Product Engineering	1.88	1.88	1.88	1.88	1.88	1.88	1.88	0.94				1.88
48.	C306.6	Non Conventional Energy Sources	2.92	2.19	2.67	2.92	0.97	2.19	2.92	0.97		0.97	0.97	
49.	C306.7	Total Quality management	1.55	0.77	2.01	1.80	1.74	1.55	2.33	0.77	2.33	1.94	1.16	2.33
50.	C306.8	Remote Sensing &GIS	1.50	1.50	2.26	1.50	1.50	1.50	1.50		0.75	1.50	1.50	1.50
51.	C307	Operating Systems & Computer Networks lab through LINUX	2.95	2.95	2.95	2.95	2.95	2.95	1.96	1.96	1.96	0.98	1.96	1.96



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52.	C308	Advanced Communication Skills Lab	1.96	1.47	1.18	1.63	1.77	2.16	1.96	2.46	2.36	2.56	1.77	1.38
53.	C309	Quantitative Methods & Logical Reasoning	2.29	2.29		2.09			1.53	1.53	1.15			2.29
54.	C310	Web Technologies	2.32	2.32	2.32	2.32	2.32	1.55	1.55	1.55	1.55	2.01	2.32	1.55
55.	C311	Automata & Compiler Design	2.34	1.87	1.56	1.25	0.78	0.78	0.78	0.78	1.56	1.56		1.56
56.	C312	Data Warehousing & Data Mining	2.35	2.35	2.35	2.35	2.35	2.04	2.35	1.41	2.35	2.35	2.35	2.35
57.	C313	Managerial Economics & Financial Analysis		0.79	2.36	1.57	1.57	1.97	1.57	2.36	1.57		2.36	2.05
58.	C314	Object Oriented Analysis &	1.97	2.95	2.95	2.95	2.95	1.57	1.57	1.77	2.16	2.95	2.36	2.95



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		Design												
59.	C315.1	OE2: Environmental Pollution and Control Methods	1.94	1.94	1.94	1.94	1.94	0.97	1.94	0.97	0.97	0.97		0.97
60.	C315.2	Green Building Technology	1.96	1.96	1.96	1.96	1.96	1.60	2.94	1.96	1.96	0.98	1.96	0.98
61.	C315.3	Energy Audit and Conservation	2.83	1.89	0.94	1.89		0.94	1.89	0.94		0.94	0.94	0.94
62.	C315.4	PEPU	2.83	2.83	2.83	1.89		1.89	2.83				0.94	
63.	C315.5	Basic Automobile Engineering	1.96	0.98	0.98	2.94			2.94	1.96				0.98
64.	C315.6	Material Science Engineering	1.94	1.94		1.94	0.97		1.94					0.97
65.	C315.7	Nutrition and Biological Chemistry	2.81		2.18			1.87	2.81			1.87		2.81



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66.	C315.8	Finanacial Institution and Market	1.50	2.25	2.25	2.25	2.25	1.50	1.50	1.50	1.50	2.25	1.50	2.25
67.	C316	Web Technologies Lab	2.95	2.95	2.95	1.96	2.95	2.95	0.98	1.96	2.26	1.96	2.55	1.96
68.	C317	Data Mining & Case Tools Lab	2.94	2.94	2.94	2.94	2.94	2.94	0.98	1.96	2.94	1.96	2.45	1.96
69.	C318	Personality Development & Behavioral Skills								1.95	1.70	2.93	0.98	2.54
70.	C401	Mobile Application Development	2.31	2.31	2.00	1.85	1.85	1.85	1.54	1.69	2.31	1.39	1.85	2.00
71.	C402	Information Security	2.95	2.95	2.16	1.97	1.97	1.97	1.97	1.97	1.97	1.18	1.97	1.97
72.	C403	Software Testing Methodologies	2.35	1.88	2.04	2.19	2.35			0.78	1.57	0.78	2.35	1.57



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73.	C404	Big Data Analytic	2.55	1.76	1.76	1.27	2.54	1.27	0.98	0.98	1.57	1.37	0.98	1.57
74.	C405	Advanced Databases	2.90	1.75	1.54	1.54	1.35	1.25	0.96	0.96	1.16	0.96	1.16	0.96
75.	C406.1	OE3: Elements of Civil Engineering	2.94	2.94	2.94	2.94	2.94	2.94	2.94	1.90	2.94	2.94	1.91	2.94
76.	C406.2	Introduction to Earthquake Engineering	2.81	1.87	1.87		0.94	1.87	1.87	0.94				0.94
77.	C406.3	Electric Vehicles and Hybrid Vehicles	2.87	2.87	2.39	1.91		0.96	0.96				0.96	0.96
78.	C406.4	Energy Storage System	2.68	2.68	2.68	2.68	2.68	2.68	2.68	1.79	2.68	2.68	1.79	2.68
79.	C406.5	Maintenance and Safety Engineering	0.99	1.97	1.97	0.99	0.99					0.99	1.97	
80.	C406.6	MAT LAB	1.95	2.92	1.95	1.95	1.95		1.95			1.95		1.95
81.	C406.7	optimization	1.91	1.91	1.91		1.91						2.87	



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		techniques												
82.	C406.8	Fundamentals of Entrepreneurship	2.37	2.37	2.37	2.37	2.37	2.37	2.37	1.58	1.58	2.37	2.37	2.37
83.	C407	Mobile Application Development Lab	2.95	2.95	2.29	1.64	2.95	0.98	0.98	0.98	2.95	1.96	2.95	2.95
84.	C408	Hadoop & Big Data Lab	2.95	2.95	2.95	2.95	2.95	2.95	2.95	1.97	2.78	2.95	2.95	2.78
85.	C409	Mini Project	2.95	2.95	2.46	2.95	2.95	1.96	1.96	1.96	2.95	2.70	2.95	1.96
86.	C410	Design Patterns	2.30	1.38	1.22	1.22	1.07	0.99	0.76	0.76	0.92	0.76	0.92	2.30
87.	C411	E-Commerce	1.56	1.56	1.56	1.56	1.56	1.56	1.41	1.56	1.56	1.56	1.56	1.56
88.	C412	Semantic Web and Social Networks	2.36	1.41	1.25	1.25	1.10	1.02	0.78	0.78	0.94	1.57	0.94	0.78
89.	C413	Technical Seminar	2.96	2.96	2.96	1.97	1.97	2.96	0.98	2.96	2.96	2.96	2.96	1.97



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90.	C414	Comprehensive Viva-Voce	2.95	2.95	2.95	1.96	1.96	1.96	0.98	2.95	1.96	2.95	2.95	1.96
91.	C415	Major Project	2.95	2.95	2.95	1.97	2.95	2.95	0.98	2.95	2.95	2.95	2.97	1.97
92.			2.41	2.30	2.22	2.09	2.04	1.77	1.69	1.62	2.01	1.97	1.98	2.02

BATCH 17-21													
	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	2.41	2.30	2.22	2.09	2.04	1.77	1.69	1.62	2.01	1.97	1.98	2.02	
INDIRECT ATTAINMENT	2.97	2.76	2.97	2.94	2.95	2.90	2.65	2.90	2.95	2.92	2.97	2.92	
POs ATTAINMENT (80% OF DA + 20% OF IDA)	2.52	2.39	2.37	2.26	2.22	2.00	1.88	1.88	2.20	2.16	2.18	2.20	

PSO (16-20 batch)

Course ID	Course Name	PSO1	PSO2
C101	English-I	-	0.97
C102	Mathematics - I	2.3	1.53
C103	Engineering Physics – I	2.25	0.75
C104	C Programming - I	2.16	2.16



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C105	Engineering Chemistry	1.47	0.73
C106	Engineering Graphics	2.25	1.5
C107	English Language Communication Skills Lab – I	-	1
C108	C Programming Lab- I	3	3
C109	Engineering Physics and Chemistry Lab	3	1
C110	IT Workshop	1	3
C111	English-II	-	0.95
C112	Mathematics – II	2.15	1.43
C113	Engineering Physics-II	2.35	0.78
C114	C Programming – II	2.2	2.2
C115	Mathematics – III	2.26	0.75
C116	Basic Electrical Engineering	2.12	0.7
C117	English Language Communication Skills Lab – II	-	1
C118	C Programming Lab - II	3	3
C119	Engineering Workshop	1	1
C201	Probability & Statistics	1.78	0.89
C202	Mathematical Foundations of Computer Science	2.95	2.95
C203	Data Structures	2.91	2.91
C204	Digital Logic Design	2.71	1.8
C205	Object Oriented Programming	1.54	1.54
C206	Electronic Devices & Circuits	2.22	1.48
C207	Data Structures Lab	2.97	2.97



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C208	Electronic Devices & Circuits and Digital Logic Design Lab	2.96	1.97
C209	Mandatory Course-I	-	0.93
C210	Design and Analysis of Algorithms	2.31	2.31
C211	Computer Organization	2.33	2.33
C212	Database Management Systems	2.26	2.26
C213	Software Engineering	2.23	2.23
C214	Java Programming	2.3	2.3
C215	Environmental Science	1.92	1.92
C216	Java Programming Lab	2.97	2.97
C217	Database Management Systems lab	2.98	2.98
C218	Mandatory Course-II	-	0.99
C301	Linux Programming	2.28	2.28
C302	Computer Networks	2.26	2.26
C303	Operating Systems	2.87	2.87
C304	Cloud Computing	2.89	2.89
C305	Principles of Programming Languages	2.86	2.86
C306.1	OE: SC (Smart City)	-	1
C306.2	EME(Elements of Mechanical Engineering)	2.62	0.87
C306.3	PE (Product Engineering)	1	1
C306.4	IMA (Introduction to Micro-Controller and Applications)	2.82	1.88
C306.5	BEI (Basic Electronic Instrumentation)	1.84	0.92



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C306.6	NCES (Non-Conventional Energy Sources)	-	-
C306.7	TQM (Total Quality Management)	1.99	0.99
C306.8	Remote Sensing and Geographical Information Systems	0.94	-
C307	Operating Systems & Computer Networks lab through LINUX	2.97	2.97
C308	Advanced Communication Skills Lab	0.99	1.2
C309	Quantitative Methods & Logical Reasoning	1.48	0.74
C310	Web Technologies	2.3	2.3
C311	Automata & Compiler Design	2.29	2.29
C312	Data Warehousing & Data Mining	2.33	2.33
C313	Managerial Economics & Financial Analysis	1.49	1.49
C314	Object Oriented Analysis & Design	2.32	2.32
C315.1	Environmental Pollution and Control Methods	-	1
C315.2	Green Building Techniques	-	0.96
C315.3	EAC (Energy audit and Conservation)	0.98	-
C315.4	Principles of Electronic Power Utilization	0.77	-
C315.5	Basic Automobile Engineering	0.97	0.97
C315.6	Materials Science Engineering	-	0.79
C315.7	Fundamentals of Embedded Systems	2.83	1.88
C315.8	Principles of Communication	0.97	-
C315.9	Financial Institutions and Markets	0.96	0.96
C315.10	Fundamental of Nano-Science and Technology	3	-
C316	Web Technologies Lab	2.96	2.96



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C317	Data Mining & Case Tools Lab	2.96	2.96
C318	Personality Development & Behavioral Skills	2	2
C401	Mobile Application Development	2.29	2.29
C402	Information Security	2.37	2.37
C403	Software Testing Methodologies	2.29	2.29
C404	Big Data Analytics	2.38	2.38
C405	Advanced Databases	2.38	2.38
C406.1	OE3: ECE (Elements of Civil Engineering)	0.98	-
C406.2	IEE (Introduction to Earthquake Engineering)	0.95	-
C406.3	EVHV (Electric Vehicles and Hybrid Vehicles)	-	-
C406.4	ESS (Energy Storage Systems)	0.97	-
C406.5	MSE (Maintenance and Safety Engineering)	-	0.79
C406.6	MAT LAB	1.53	1.53
C406.7	FE (Fundamentals of Entrepreneurship)	-	1.92
C407	Mobile Application Development Lab	2.98	2.98
C408	Hadoop & Big Data Lab	2.98	2.98
C409	Mini Project	2.96	2.96
C410	Design Patterns	2.96	2.96
C411	E-Commerce	1.94	1.94
C412	Semantic Web and Social Networks	2.91	2.91
C413	Technical Seminar	2.98	2.98
C414	Comprehensive Viva-Voce	2.98	2.98
C415	Major Project	2.97	2.97



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DEPARTMENT OF INFORMATION TECHNOLOGY

Average	2.23	1.91
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BATCH 2016-20

	PSO 1	PSO 2
Direct Attainment	2.23	1.91
Indirect Attainment	2.55	2.85
POs Attainment (80 % of DA + 20% of IDA)	2.27	2.09

PSO (2017-21 Batch)

Course ID	Course Name	PSO1	PSO2
C101	English-I		0.97
C102	Mathematics - I	2.32	1.54
C103	Engineering Physics – I	2.27	0.75
C104	C Programming - I	2.20	2.20
C105	Engineering Chemistry	1.49	0.74
C106	Engineering Graphics	2.30	1.53
C107	English Language Communication Skills Lab – I		1.00



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DEPARTMENT OF INFORMATION TECHNOLOGY

C108	C Programming Lab- I	3.00	3.00
C109	Engineering Physics and Chemistry Lab	3.00	1.00
C110	IT Workshop	1.00	3.00
C111	English-II		0.96
C112	Mathematics – II	2.20	1.46
C113	Engineering Physics-II	2.35	0.78
C114	C Programming – II	2.24	2.24
C115	Mathematics – III	2.28	0.76
C116	Basic Electrical Engineering	2.15	0.70
C117	English Language Communication Skills Lab – II		1.00
C118	C Programming Lab - II	3.00	3.00
C119	Engineering Workshop	1.00	1.00
C201	Probability & Statistics	1.88	0.94
C202	Mathematical Foundations of Computer Science	2.84	2.84
C203	Data Structures	2.98	2.98
C204	Digital Logic Design	2.29	1.52



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DEPARTMENT OF INFORMATION TECHNOLOGY

C205	Object Oriented Programming	2.31	2.31
C206	Electronic Devices & Circuits	2.23	1.48
C207	Data Structures Lab	2.97	2.97
C208	Electronic Devices & Circuits and Digital Logic Design Lab	2.97	1.98
C209	Mandatory Course-I		0.92
C210	Design and Analysis of Algorithms	2.89	2.89
C211	Computer Organization	2.81	2.81
C212	Database Management Systems	2.29	2.29
C213	Software Engineering	2.80	2.80
C214	Java Programming	2.88	2.88
C215	Environmental Science		0.92
C216	Java Programming Lab	2.97	2.97
C217	Database Management Systems lab	2.96	2.96
C218	Mandatory Course-II		0.96
C301	Linux Programming	2.36	2.36



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C302	Computer Networks	2.96	2.96
C303	Operating Systems	2.34	2.34
C304	Cloud Computing	2.32	2.32
C305	Principles of Programming Languages	2.88	2.88
C306.1	OE : Smart City		0.78
C306.2	Elements of Mechanical Engineering	1.82	0.91
C306.3	Energy Management	0.92	0.92
C306.4	Introduction to Microcontroller and Applications	2.70	1.79
C306.5	Product Engineering	0.97	0.97
C306.6	Non Conventional Energy Sources	0.77	0.77
C306.7	Total Quality management	1.87	0.93
C306.8	Remote Sensing &GIS	0.75	
C307	Operating Systems & Computer Networks lab through LINUX	2.95	2.95
C308	Advanced Communication Skills Lab	0.98	1.10
C309	Quantitative Methods &Logical Reasoning	1.52	0.76



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DEPARTMENT OF INFORMATION TECHNOLOGY

C310	Web Technologies	2.32	2.32
C311	Automata & Compiler Design	2.34	2.34
C312	Data Warehousing & Data Mining	2.35	2.35
C313	Managerial Economics & Financial Analysis	1.57	1.57
C314	Object Oriented Analysis & Design	2.95	2.95
C315.1	OE2: Environmental Pollution and Control Methods		0.98
C315.2	Green Building Technology		0.99
C315.3	Energy Audit and Conservation	0.94	
C315.4	PEPU	0.77	
C315.5	Basic Automobile Engineering	0.97	0.97
C315.6	Material Science Engineering		0.79
C315.7	Nutrition and Biological Chemistry		1.87
C315.8	Financial Institution and Market	0.75	0.75
C316	Web Technologies Lab	2.95	2.95
C317	Data Mining & Case Tools Lab	2.94	2.94
C318	Personality Development & Behavioral Skills	2.93	2.93



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DEPARTMENT OF INFORMATION TECHNOLOGY

C401	Mobile Application Development	2.31	2.31
C402	Information Security	2.95	2.95
C403	Software Testing Methodologies	2.35	2.35
C404	Big Data Analytic	2.94	2.94
C405	Advanced Databases	2.90	2.90
C406.1	OE3: Elements of Civil Engineering	2.94	2.94
C406.2	Introduction to Earthquake Engineering	0.93	
C406.3	Electric Vehicles and Hybrid Vhicles	0.95	
C406.4	Energy Storage System		0.89
C406.5	Maintaince and Safty Eengineering	0.99	
C406.6	MAT LAB		0.97
C406.7	optimization techniques	1.91	1.91
C406.8	Fundamentals of Entrepreneurship		1.58
C407	Mobile Application Development Lab	2.95	2.95
C408	Hadoop & Big Data Lab	2.95	2.95
C409	Mini Project	2.95	2.95



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DEPARTMENT OF INFORMATION TECHNOLOGY

C410	Design Patterns	2.30	2.30
C411	E-Commerce	1.56	1.56
C412	Semantic Web and Social Networks	2.37	2.37
C413	Technical Seminar	2.96	2.96
C414	Comprehensive Viva-Voce	2.96	2.96
C415	Major Project	2.95	2.95
Average		2.23	1.93

BATCH 2016-20

	PSO 1	PSO 2
Direct Attainment	2.23	1.93
Indirect Attainment	2.67	2.77
POs Attainment (80% of DA + 20% of IDA)	2.32	2.10



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CRITERION 4	Students' Performance	100
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4. STUDENTS' ENROLLMENT

Table 4.1

Item(Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2021-2022 (CAY)	2020-2021 (CAYm1)	2019-2020 (CAYm2)	2018-2019 (CAYm3)	2017-2018 (CAYm4)	2016-2017 (CAYm5)	2015-2016 (CAYm6)	2014-2015 (CAYm7)
Sanctioned intake of the program(N)	180+18	180	180	60	60	60	60	60
Total number of students admitted in first year minus number of students migrated to other pro-grams/institutions plus No. of students migrated to this pro-gram(N1)	193	179	175	60	60	60	60	52
Number of students admitted in 2 nd year in the same batch via lateral entry(N2)	0	17	14	06	0	0	0	0
Separate division students, If applicable(N3)	0	0	0	0	0	0	0	0
Total number of students admitted in the pro-gram(N1+N2+N3)	193	196	189	66	60	60	60	52



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Table 4.2

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated without backlogs in any semester /year of study (Without Backlog means no compartment or failures in any semester /year of study)			
		I year	II year	III year	IV year
2021-2022 (CAY)	193				
2020-2021 (CAYm1)	196	141			
2019-2020 (CAYm2)	189	138	141		
2018-2019 (CAYm3)	66	42	43	43	
2017-2018 (LYG)	60	41	40	39	39
2016-2017(LYGm1)	60	40	39	38	38
2015-2016(LYGm3)	60	41	35	35	35
2014-2015 (LYGm3)	52	35	34	31	31

Table 4.3

Year of entry	Total No. of students admitted in the program(N1+N2+N3)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without backlog]			
		I year	II year	III year	IV year
2021-2022 (CAY)	193				
2020-2021 (CAYm1)	179	178			
2019-2020 (CAYm2)	189	174	188		
2018-2019(CAYm3)	66	58	57	57	
2017-2018(LYG)	60	55	53	49	46
2016-2017(LYGm1)	60	60	57	56	54



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2015-2016(LYGm2)	60	59	56	56	52
2014-2015 (LYGm3)	52	51	51	48	46

4.1 Enrollment Ratio

	N (From table 4.1)	N1 (From table 4.1)	Enrollment ratio [(N1/N)*100]
2021-2022 (CAY)	198	193	97.47
2020-2021 (CAYm1)	180	179	99.44
2019-2020 (CAYm2)	180	175	97.22
2018-2019(CAYm3)	60	60	100.00

Average [(ER1+ER2+ER3/3)] : **98.53**

Assessment: 20

4.2 Success Rate in the stipulated period of the program (20)

4.2.1 Success rate without backlogs in any semester/year of study (15)

SI = (No. of students who have graduated from the program **without backlog**)/ (No. of students admitted in the 1st 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 the past four batches

Success rate without backlogs in any year of study = 15 * Average SI

Item	Latest Year of Graduation, LYG	Latest Year of Graduation minus 1, LYG	Latest Year of Graduation minus 2, LYG	Latest Year of Graduation minus 3, LYG (2014-2015)



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	(2017-2018)	(2016-2017)	(2015-2016)	
X Number of students admitted in the corresponding First year + admitted in 2 nd year via lateral entry and separated division, if applicable	60	60	60	52
Y Number of students who have graduated in the stipulated period	39	38	35	31
Success index(SI=Y/X)	0.65	0.63	0.58	0.60

Average SI [(SI1+SI2+SI3)/3] : 0.60

Assessment [15 * Average SI]: 9.00

4.2.2 Success Rate in Stipulated Period

SI= (No. of students who graduated from the program in the stipulated period of course duration)/ (No. of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separated division, if applicable)

Average SI= Mean of success Index (SI) for the past four batches.

Success Rate = 15* Average SI

Item	Latest Year of Graduation, LYG (2016-2017)	Latest Year of Graduation minus 1, LYG (2015-2016)	Latest Year of Graduation minus 2, LYG (2014-2015)
X Number of students admitted in the corresponding first year + admitted in 2 nd year via lateral entry and separated division, if applicable	60	60	52



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rated division, if applicable			
Y			
Number of students who have graduated in the stipulated period	54	52	46
Success Index [SI = Y/X]	0.90	0.87	0.88

Average SI [(SI1 + SI2 + SI3)/3]: 0.85

Assessment [5 * Average SI]: 4.42

4.3 Academic performance in second year (10)

Academic performance= 1.5 * Average API (Academic Performance Index)

API = ((Mean of second year GPA of all successful students on 10 points scale) or (mean of the percentage of marks of all successful students in second year/10)) * (No. of successful students / No. of students appeared in the examination)

Successful students are those who are permitted to proceed to the third year

Academic Performance	CAYm2(2018-19)	CAYm3(2017-18)	LYG(2016-17)
Mean of CGPA or mean percentage of all successful students(X)	7.47	7.11	7.08
Total number of successful students(Y)	57	53	57
Total number of students appeared in the examination(Z)	64	55	60
API[X*(Y/Z)]	6.65	6.85	6.73

Average API [(AP1 + AP2 +AP3) / 3] : 6.74

Assessment [1.5 * Average API]: 10.12



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4.4 Placement, Higher Studies and Entrepreneurship (30)

Assessment Points = $30 \times$ average placement

Academic Performance	2017-18	2016-17	2015-16	2014-15
Total No. of Final Year Students (N)	50	56	56	48
No. of students placed in companies or Government Sector (x)	32	36	32	27
No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level Tests, GRE, GMAT etc.) (y)	6	5	9	6
No. of students turned entrepreneur in engineering/technology (z)	0	0	1	0
Placement Index : $(x + y + z) / N$	0.76	0.71	0.75	0.69
Average placement = $(P1 + P2 + P3) / 3$	0.73			
Assessment Points = $30 \times$ average placement	21.90			

Table B: 4.4



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4.4 a. Provide the Placement Data in the below mentioned Format.

Programs Name and Assessment Year : 2020-21				
S.No	Name of the	Roll No	Company Name	Designation
1	Addi Sanjana	17911A1201	TCS Ninja	Assistant System En-
2	Amundla Sagar	17911A1202	Chegg	Network Expert
3	Anumu Venkata- ramana	17911A1203	Chegg	Network Expert
			Wipro	Project Engineer
4	Beeram Priya	17911A1205	Pole to Win	Trainee
5	Beeruka Tarini	17911A1206	Capgemini	Analyst
6	Deshineni Prani-	17911A1208	NTT Data Digi-	Software Engineer
			Chegg	Network Expert
7	Sanjana Srinivas	17911A1209	Face Hiring	Placement Mentor
			Pole to Win	Software Tester
			Wipro	Project Engineer
			TCS	Assistant System En-
8	Ganji Naga Sai	17911A1212	Chegg	Network Expert
9	Giddalapati Vaishnavi	17911A1213	Chegg	Network Expert
			Doubtnut	Trainee
10	Ginne Abhinaya Sri	17911A1214	Capgemini	Analyst
			TCS Digital	Systems Engineer
11	Ginukala Pha-	17911A1215	Hexaware	Graduate Engineer
12	K Kiran	17911A1220	Capgemini	Analyst
			Mindtree	Software Engineer
13	K Shashank	17911A1221	Mindtree	Software Engineer
14	Kalyan Gouru	17911A1223	Chegg	Network Expert
			Pole to Win	Trainee
			Climber	Software Engineer
			Byjus	Business Development
15	Katam Somesh	17911A1225	Capgemini	Analyst
16	Keetha Hemanth	17911A1227	TCS Digital	Systems Engineer
			Wipro	Project Engineer
17	Konduri Sai- vardhan	17911A1228	Capgemini	Analyst
			TCS Ninja	Assistant System En-
18	MP Soundarya	17911A1231	Cognizant	Developer
19	Machugari Akila	17911A1232	Mindtree	Software Engineer
20	Mohammed Ali	17911A1234	Chegg	Network Expert
21	Mohammed Fur-	17911A1235	Chegg	Network Expert
22	Myadam Aarthi	17911A1237	Capgemini	Analyst
			Mindtree	Software Engineer
			Harman	Associate Engineer
23	Nikhil Kumar R	17911A1238	Chegg	Network Expert
			Pole to Win	Trainee



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DEPARTMENT OF INFORMATION TECHNOLOGY

			Accenture	Application Develop-
			Capgemini	Analyst
24	Patluri Pallavi	17911A1241	Virtusa	Associate Software
			ADP	Software Engineer
			Accenture	Associate Software
			Wipro	Project Engineer
25	Pendota Sowmya Sree	17911A1242	Striketru	Associate Developer
			Revature	Software Engineer
26	Sreeshma Reddy P	17911A1248	Climber	Business Development
			Dhruvsoft	Trainee Software En-
			Chegg	Network Expert
			Wipro	Project Engineer
			TCS	Assistant System En-
27	Turpu Pooja	17911A1253	Pole to Win	Trainee
28	Vemulapalli Bharath Sai	17911A1255	Capgemini	Analyst
			Mindtree	Software Engineer
			Accenture	Application Develop-
			Fidelity Informa-	IT Trainee
29	Vilasagaram Sai-ram	17911A1256	TCS Ninja	Assistant System En-
			HCL	Software Engineer
30	Vorsu Swathi	17911A1257	Techigai	Trainee Software En-
31	V Nandini	17911A1258	Nagaroo	Trainee
			Prolifics	Trainee
			Mindtree	Software Engineer
32	Y Sreepadma Aparna	17911A1259	Climber	Business Development
			RBDS	Business Developer
			Accenture	Application Develop-

Programs Name and Assessment Year : 2019-20

Sl. No	Name of the Student Placed	Enrollment No.	Name of the Employer	Appointment Letter Reference No. with Date
1	A Priyanka	16911A1201	Packet Prep	11-12-2019
2	A Rashmitha	16911A1202	Capgemini	HR/Campus/L020401936/1, 18-09-2019
3	A Vijay Kumar	16911A1204	Cognizant	ID: 13978747, 28-01-2020
4	B Yugandhari	16911A1207	Amazon	ID: 937115, 22 -10-2019
5	Rajkumar Boddupelli	16911A1208	Packet Prep	11-12-2019
6	D Aneela	16911A1209	Virtusa	07-10-2020
7	D Vedanth	16911A1210	Capgemini	HR/campus/LO2020401978/1, 18-09-2019



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8	Dirishala Pavanani	16911A1211	Magquese	04-08-2021
9	G Siddharth	16911A1213	Capgemini	HR/campus/LO2020401943/1, 18-09-2019
10	Gaddi Pavan Kalyan	16911A1214	BYJU'S	18-12-2020
11	G Sandhya	16911A1215	Prodapt Solutions	29-07-2020
12	G Anuhya	16911A1219	Capgemini	HR/campus/LO2020401977/1, 18-09-2019
13	Keerthan K	16911A1221	PWC	20-05-2021
14	K Ruthvika Reddy	16911A1222	Wipro	18-12-2020
15	K Himaja	16911A1224	TCS	TCSL/DT20195557539. 13-09-2019
16	K Poorvitha	16911A1228	Wipro	21-09-2021
17	M Sneha	16911A1231	Prodapt Solutions	14-08-2020
18	M Amit	16911A1232	Znalytics	22-08-2020
19	M Surekha	16911A1233	Capgemini	HR/campus/LO2020401945/1, 18-09-2019
20	Mettu Sree Varsha	16911A1234	Wipro	23 -03-2021
21	M Roshan	16911A1235	Eidiko	11-02-2020
22	Mohammed Adil	16911A1236	Cognizant	ID:13978396, 28-01-2020
23	Mohit Chokda	16911A1237	Virtusa	1-10-2020
24	N .A Rebecca	16911A1242	Capgemini	HR/campus/LO2020401954/1, 18 -09-2019
25	Pallapu Karthik	16911A1243	Innominds	13-2-2021
26	P Sugandhini	16911A1244	Virtusa	1-10-2020
27	P Hemanth	16911A1246	Capgemini	HR/campus/LO2020401973/1, 18 -09-2019
28	P Anirudh	16911A1247	Capgemini	HR/campus/LO2020401988/1, 18-09-2019
29	P Shiva Teja	16911A1248	QSpiders	30-01-2020
30	P Sai Jyothi	16911A1249	Virtusa	1-10-2020
31	P Mounika	16911A1250	Capgemini	HR/campus/LO2020401944/1, 18-09-2019
32	Saadhika Yalavarthi	16911A1253	Cognizant	ID:17138786, 21-07-2021
33	Manisha Tha-	16911A1256	Cognizant	ID: 15787935,



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	kur			05-02-2021
34	V Shiva Krishna	16911A1257	TCS	TCSL/DT20195582231. 13-09-2019
35	Zeba Husna	16911A1260	Cognizant	26-04-2021
36	Kasarapu Suman Prakash	15911A1231	Amazon	12-04-2021

Table B: 4.4a

Programs Name and Assessment Year : 2018-19				
Sl. No	Name of the Student Placed	Enrollment No.	Name of the Employer	Appointment Letter Reference No. with Date
1	Addanki Navya	15911A1202	RMSI Private Limited	02-09-2020
2	Agam Laxman Goud	15911A1203	Lex Nimble Solutions Limited	13-09-2021
3	Agam Ramu Goud	15911A1204	Valuelabs	Ref : VLC/2974/CT/21, 22-09-2021
4	Alla Venkat Reddy	15911A1205	AR XLABS	15-4-2021
5	Ankam Kalyan	15911A1206	Knoah	25-02-2020
6	B Manisha	15911A1210	Capgemini	ID:185747_IN, 06-12-2019
7	C Lakshmi Tejaswi	15911A1212	IBM	17-10-2019
8	C Sreeja	15911A1213	Infosys	ID:12957438, 09-07-2019
9	E Sainath Reddy	15911A1217	Uangteman	31-12-2018
10	G Yeswanth	15911A1219	Capgemini	HR/campus/LO201940427/1, 11-12-2018
11	J Saichandra	15911A1221	IST	1-02-2019
12	J Nandini	15911A1222	Accenture	Ref no: C3680598 12-10-2019
13	K Himaja	15911A1226	Amazon	23-1-2019
14	Kadam Ranjith	15911A1228	Infosys	ID:12765643, 24-01-2020
15	K Akhila	15911A1229	IBM	17-10-2019
16	K Prabhusai	15911A1233	Capgemini	HR/campus/LO201940206/1, 11-12-2018



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17	K Madhuri	15911A1234	TCS	TCSL/DT20173926055, 09-10-2018
18	L RamKumar	15911A1235	Infosys	ID:12957283, 30-07-2019
19	SaiTeja	15911A1236	ADP	28-09-2019
20	M Sai Nikhila	15911A1239	IBM	18-10-2019
21	M Haritha	15911A1241	KFin Tech	ID:1067974, 23-11-2019
22	R Hari Kanth	15911A1245	Amazon	08-09-2021
23	Ritesh Kumar	15911A1247	TCS	TCSL/DT20184376193, 26-07-2019
24	Sagar T	15911A1248	Genpact	COR011285-2281622, 18-02-2020
25	Sai Prasad N	15911A1249	FixFlyer	Ref no :FFIT0044, 28-02-2020
26	Nikhilesh Ku- mar S	15911A1250	Wipro	08-05-2019
27	Shaik Azema	15911A1251	Amazon	23-01-2019
28	S Madhavi	15911A1252	Altruista Health	ID : 10526, 8-05-2019
29	T Niharika	15911A1255	IBM	18-10-2019
30	Vidhi Alpesh Kumar Shah	15911A1258	Capgemini	TCSL/DT201940384/1, 11-12-2018
31	Y A Baburao	15911A1260	Panzer Tech- nologies	01-10-2019
32	Malle Aditya	14911A1225	TeleText	21-01-2020

Programs Name and Assessment Year : 2014-18

Sl. No	Name of the Student Placed	Enrollment No.	Name of the Employer	Appointment Letter Reference No. with Date
1	Alamdard Dash-tee	14911A1202	Reliant Vision	RVG-T006, 11-01-2018
2	Bandla Ramya-sri	14911A1208	CGI Informa- tion Systems	06-3-2019
3	Lakshman Sa-hith	14911A1209	Amazon	14-06-2019
4	Namala Teja-babu	14911A1213	Advantage One	22-10-2018



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5	E Swathi	14911A1215	Advantage One	ID: 20823, 22-10-2018
6	Gole Nischal Reddy	14911A1217	Microsoft	29-9-2020
7	Gudepu Rana-deep	14911A1219	Amazon	05-10-2020
8	K. Pooja Niki-tha	14911A1220	Amazon	31-08-2020
9	Hari Krishna Nair	14911A1222	Motivity Labs	ID:ML1016, 26-02-2018
10	M. Pranavi	14911A1223	Reliant Vision	RVG-T004, 02-01-2018
11	Madderla Anand Rakesh	14911A1224	Amazon	04-06-2020
12	M Rajitha	14911A1228	Larsen Nd Turbo	ID:10662068, 13-02-2019
13	Musaligari Sathish Reddy	14911A1229	Cognizant	ID:14065103, 17-12-2019
14	Shiva Sai Ram M	14911A1230	Value Labs	ID:15579, 24-12-2018
15	Nathamgari Suraj Kumar	14911A1232	Mphasis	ID:2361423, 18-12-2018
16	P. Reethika	14911A1235	Reliant Vision	RVG-T002, 11-01-2018
17	P.Sri Haindavi	14911A1237	Mediamint	1-10-2019
18	P Yeshwant	14911A1238	Zoho Technologies	31-08-2018
19	Divya P	14911A1239	Cognizant	ID:12500779, 01-11-2018
20	Ravikanti Santhosh	14911A1241	Cognizant	ID:12170753, 29-08-2018
21	S.Venkata Mahendra	14911A1242	Amazon	21-11-2017
22	Sirisala Bhargavi	14911A1243	Accenture	ID:11853008, 18-1-2020
23	Anusha T	14911A1245	Accenture	C3702270, 11-10-2019
24	T. Sai Krishna Kishore	14911A1246	Wipro	ID:20072757, 03-01-2019
25	T. Bindu	14911A1247	Concentrix	09-10-2018
26	Manogna V	14911A1249	Capgemini	ID:0157748, 30-07-2018
27	Vishwanath Praneetha	14911A1250	Softsol	24-12-2018



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DEPARTMENT OF INFORMATION TECHNOLOGY

4.5 Assessment Year:

4.5.1 A. Availability and activities of Professional societies/Chapters

DEPARTMENT OF INFORMATION TECHNOLOGY		
PROFESSIONAL CHAPTERS		
		
Indian Society for Technical Education (ISTE)	Computer Society of India (CSI)	Association for Computer Machinery (ACM)

The Department of IT has two professional chapters namely Indian Society for Technical Education (ISTE) and Computer Society of India (CSI). Many activities are conducted under these student chapters. Various events are organized on regular basis for the benefit of students under these chapters. These events provide a platform to students to exchange ideas and information on the topics of their interest related to Information Technology. Encourage team work and self-reliance among students. Augment various aspects relating to professional development of students.



Inauguration of CSI student Chapter @VJIT



Inauguration of ISTE student Chapter @VJIT



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Academic Year	Professional Chapter and Clubs									
	ISTE	CSI	ACM	IEEE	SPEED	AI	IoT	WEB CLUB	ANDROID	TOTAL
2020-2021	1	3	1	-	1	2	1	2	2	13
2019-2020	3	5	-	2	0	2	1	2	2	17
2018-2019	6	4	-	1	1	2	-	-	-	14
2017-2018	3	2	-	-	1	-	-	-	-	6

4.5.1 B Events Organized

Events Organized under ISTE

Academic Year	Event Name	Duration	Resource Person
2020-2021	A Webinar on “Chat Bot Development using NPL”	31 st July 2021	Mr. Aleti Praneeth Reddy, Software Engineer, Capgemini, Hyderabad.
2019-2020	A Seminar on “Enterprise Artificial Intelligence “	24 th January 2020	Mr.Jothi Periasamy, Chief AI Architect, DeepSphere Hanu Yedluri Principal Scientist, BrainLabs
	A Seminar on “Research Activities and Objectives”	19 th January 2020	Dr. Salvatore Distefano, Italy
	A Guest Lecture on “Just in Time”	3 rd October 2019	Mr. P.M.Balaji, Associate Vice President, Toshiba, Tokyo.
2018-2019	A Two Day Workshop Artificial Intelligence & Machine Learning ”	16 th - 17 th March 2019	Mr. P Mohan, Chief Advisory in Data Science, Engineering Staff College of India (ESCI), Hyderabad
	A Two Day Workshop on Ethical Hacking	2 nd February 2019	Dr. SRM Krishna, VJIT, Hyderabad
	A Seminar on “Career Development in IT”	25 th January 2019	Mr. A. Niranjana Lal, Technical Head, TCS Hyderabad.
	A Seminar on “Recent Trends in IT Industry”	4 th October 2018	Mr. Pravesh Jha, Product Manager
	A one Day Workshop on “Entrepreneur Journey”	1 st October 2018	Sri Charan, CEO, StuMagz Nikeel, Founder, Digital Connect



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			Karan Shah, Graphics Designer
2017-2018	A Workshop on Game Development	2 nd - 3 rd March 2018	Mr. Santosh Kumar, HR Manager, Ink wall
	Seminar on Information Web Services	3 rd November-17	Ms. Pooja Jain
	Guest Lecture on Big Data Analytics	27 th July 2017	Mr. Shankar Advantics

Events Organized under CSI

Academic Year	Event Name	Duration	Resource Person
2020-2021	Webinar on “Object Oriented Programming Concepts”	1 st & 8 th June 2021	Mr. Mohammed Afroz, Associate Professor, Muffakhamjah College of Engineering-Hyderabad
	Webinar on “Cyber Security”	8 th October 2020	Mr. C Swamy, Pantech, Hyderabad.
	Faculty Development Program on “Recent Trends and Advancements in Computer Science”	22 nd July 2020 to 28 th July 2020	1. Dr. K Subramanyam, Prof in CSE, KLU 2. Dr. G Ramesh Chandra, Head RCC, Prof. in VNR VJIT 3. Dr. Sridhar Swaminathan, Prof in CSE Bennet University, Noida 4. Prof. P Radha Krishna, Head CSE, NIT(W)
2019-2020	Guest Lecture on “REDHAT LINUX”	25 th February 2020	Mr. Aneesh PV Manager Prodevans
	Coding Competition “CODEIT”	15 th February 2020	In association with “code Chef”
	A seminar on “Master Degree in Engineering and Computer Science”	19 th December 2019	Dr. Salvatore Distefano, Associate Professor, Computer Science and Engineering, University of Messina, Italy
	Seminar on “Holistic solution for enhancing employa-	5 th December 2019	Mr. K Naresh Kumar, Software Engineer,



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	bility campus 2.0”		Bangalore
	International conference on Computational Intelligence Data Engineering “ICCIDE-2019”	4 th -6 th July 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.
2018-2019	A One Day Seminar “Big Data Analytics”	8 th October 2018.	Mr. A. VenkataVenugopal, IT Analyst, TCS Hyderabad.
	Two day hands on workshop on “Machine Learning” under CSI chapter on	6 th & 7 th October 2018.	Mr. P Mohan, Senior Data Science Scientist Tech Mahindra , Hyderabad.
	Two Day Hands on Workshop On “AUGMENTED REALITY AND VIRTUAL REALITY”	28 th & 29 th September 2018	Collaboration with Eduridge Pvt. Ltd. Hyderabad
	A Seminar on “Machine Learning & Applications”	21 st July 2018	Dr. Ramesh Babu Mr. Tarakeshwar Rao Mr. Abdul Majeed
2017-2018	Guest lecture on “Linux Programming”	29 th October 2017	Dr. J Sasikiran Professor in CSE, FIT
	Seminar on “The Mission of CSI” for II year Students	30 th August 2017	Mr. Gnanasekaran, CSI-Admin

ACM

2020-21

S.No	Date	Topic	Resource person
1	10 th October 2020	Inauguration of VJIT ACM Student Chapter	Mr. Karthik Ganapathi, Managing Director, VSG Software Solutions, Mysore

IEEE



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DEPARTMENT OF INFORMATION TECHNOLOGY

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,

SPEED

2020-21			
S.No	Date	Topic	Resource person
1	5 th December 2020	Inauguration of EWB Chapter	Mr. Bharat Maharaj Chairman EWB-India

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 ” at Vidya Jyothi Institute of Technology from	SPEED Regional student forum (RSF)

2017-18			
S.No	Date	Topic	Resource person
1	7 th -9 th September 2017	EMPOWERING THE MILLENNIALS	Mr. Ajeet Kumar From Speed



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DEPARTMENT OF INFORMATION TECHNOLOGY

CLUBS:

AI Club

2020-21			
S.No	Date	Topic	Resource Person
1	22 nd August 2020	Artificial Intelligence Applications	Jothi Periasamy , Chief AI Architect , Deespshere.AI
2	21 st January 2021	Artificial Intelligence developments in real world.	Hanu Yedluri,, Senior Data Scientist BrainLabs.AI
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 intelli- gence , Machine Learning and Deep Learning	Dr. Sridar Swamynadan, Professor in CSE Dept., Bennet university, Noida
2	16 th -17 th March	A Two Days Workshop on	Mr. P Mohan,



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DEPARTMENT OF INFORMATION TECHNOLOGY

2019-20			
S.No	Date	Topic	Resource person
1	22 nd October 2019	IOT and Fog Computing using Raspberry Pi	Mr.Naidu babu Vamam,Consultant,Avaloq.
	2019	“AI&ML”	Senior Data Science Scientist Tech Mahindra Hyderabad

IoT club

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

WEB CLUB

2020-21			
S.No	Date	Topic	Resource person
1	21 August 2020	Banking security web application	Mr.Rajesh I
2	19 February 2021	Angular JS	Mr. Rambabu.K
2019-20			
S.No	Date	Topic	Resource person
1	3 August 2019	Microservices and Springboot	Mr.Naidu babu Vamam,Consultant,Avaloq.
2	15 February 2020	Web building with Node JS	Mr. Ch.Raghavendra Kumar,ProKarma.



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2018-19			
S.No	Date	Topic	Resource person
1	24 August 2018	Web Development with Micro-soft Technologies	Mr.M.Vasudevarao,iSpace.
2	2 February 2019	Web Development using Angular JS	Mr. I.Rajesh Varma, Manager, NetEnrich Technologies

ANDROID CLUB

2020-21			
S. No	Date	Name of the event	Resource person
1	16 th December 2020	SQLite development	Mr.Tarakeshwar Rao,VJIT
2	23 rd February 2021	Android App Development	Mr. B Vikas,VJIT

2019-20			
S.No	Date	Topic	Resource person
1	20 th & 21 st Feb-2020	Android network Connectivity	Mr. Surya prakash Chittampalli, Founder
2	18 th Nov 2019	Android UI Development	Mr. B Vikas,VJIT

2018-19			
S. No	Date	Name of the event	Resource person
1	13 th -14 th September 2018	A two days workshop on “Android media support”	Mr. B Vikas,VJIT
2	2 nd -3 rd February 2019	Hackathon Block Chain,Smart Innovation ,Agriculture,Healthcare	Mr. V.Lakshmi Kanth,Broadridge India.



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DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2020-21		
S.No.	Event Conducted Under CSI	Event Photo
1	<p>Webinar on “Object Oriented Programming Concepts” Under CSI Students Chapter by 1.Mr. Syed Rehmath, Senior Software Engineer, Gap Inc 2.Mr. Mohammed Afroz, Associate Professor Muffakhamjah College of Engineering-Hyd Date: 01 June 8, 2021 Time: 5:00pm-7:45pm</p>	
2	<p>Vidya Jyothi Institute of Technology, Dept of IT in association with Pantech solution and CSI Students chapter organized A LIVE Webinar session on “Cyber Security-- Secure your Data” Schedules & Domains: Date: Thursday, October 08th, 2020 Time: 04:00PM to 05:30PM</p>	
3	<p>Vidya Jyothi Institute of Technology, Department of Information Technology & Engineering in association with VJIT 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. The schedule is from July 22nd to 28th 2020 from 5PM to 6PM</p>	




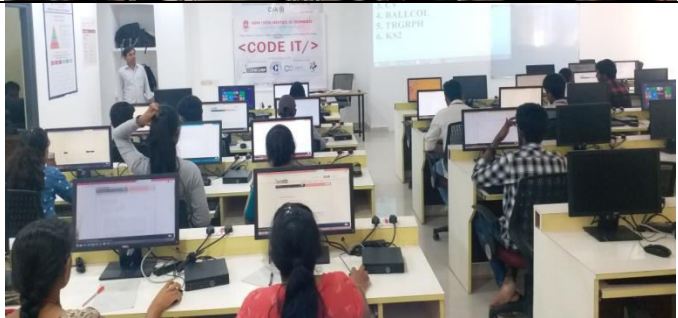

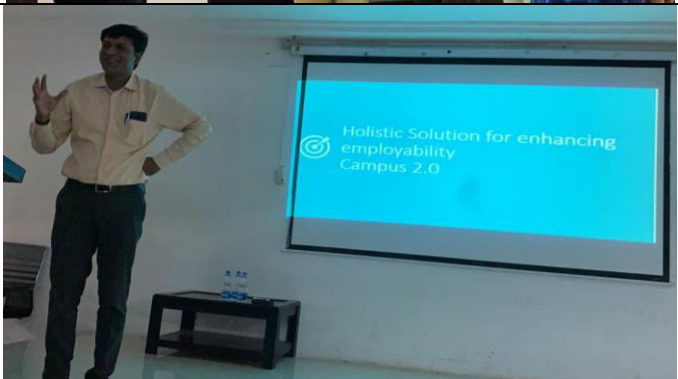
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DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2019-20 - CSI		
S.No.	Event Conducted Under CSI	Event Photo
1	<p>Guest Lecture on “REDHAT LINUX” On 24/02/2020 By Mr. Aneesh PV Manager, Prodevans Tech, Bangalore</p>	
2	<p>Coding competition <CODEIT> on 15/02/2020 in association with codechef</p>	
3	<p>A seminar on “Master Degree in Engineering and Computer Science” on 19/12/2019</p>	
4	<p>Seminar on “Holistic solution for enhancing employability campus 2.0” on 05/12/2019</p>	



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5	<p>International Conference on “Computational Intelligence and Data Engineering” (ICCIDE) – 2019 on 4th – 6th, July 2019.</p>	
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Academic Year: 2019-20 - ISTE		
S.No.	Event Conducted Under ISTE	Event Photo
1	<p>A Seminar on “Research Activities and Objectives” on 19/12/2019 by Dr. Salvatore Distefano, Italy</p>	
2	<p>Departments of IT 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>	






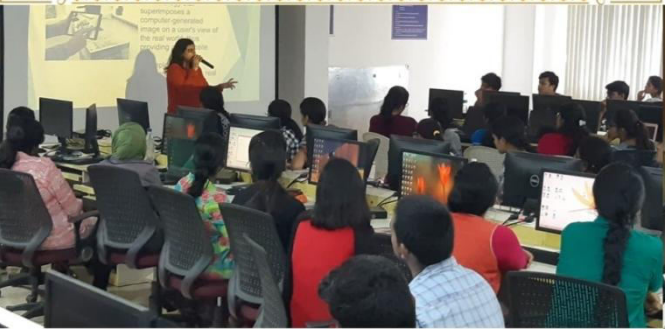
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Academic Year: 2018-19		
S.No.	Event Conducted Under CSI	Event Photo
1	Department of IT under CSI Chapter at VJIT has organized a one week National level Faculty Development Program(FDP)on “VIRTUALIZATION AND CLOUD COMPUTING” in association with NIT Warangal during 20 th - 25 th May 2019.	
2	Prometheus: An annually National level technical festival of IT Department of VJIT is interspersed with numerous technical events. The organization and execution of these events is handled by IT 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.	
3	A Seminar on “Bigdata Analytics” on 8/10/2018 by Mr. A Venkata Venugopal, IT Analyst, TCS Hyderabad.	
4	Two Day Hands on Workshop On “AUGMENTED REALITY AND VIRTUAL REALITY” on 28 th & 29 th September 2018 by Ms. Neha, Mr. Nikhil Eduridge Pvt. Ltd. Hyderabad	



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S.No.	Event Conducted Under ISTE	Event Photo
1	<p>Department of I.T at VJIT have organized A Two Day Workshop on “Ethical Hacking” on 2/02/2019</p> <p>By Mr. SRM Krishna, 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>	

Academic Year: 2017-18		
S.No.	Event Conducted Under CSI	Event Photo
1	<p>Guest lecture on “LINUX PROGRAMMING” on 29/10/ 2017 By Dr. J Sasi Kiran, Professor CSE, FIT Hyderabad.</p>	
2	<p>Seminar on “The Mission of CSI” for B.Tech II year Students on 30/08/ 2017 by Mr. Abdul Majeed, CSI Student Branch Coordinator (SBC), VJIT</p>	
S.No.	Event Conducted Under ISTE	Event Photo





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1	<p>A Two Workshop on “Game Development” on 2nd - 3rd March 2018 by Mr. Santosh Kumar, Manager, Ink wall</p>	
2	<p>Seminar on “Cloud Computing-A Hybrid cloud Approach” on 2/9/2017 by Mr. N Srinivasan Pantech, Hyderabad</p>	

4.5.2 Publication of Technical Magazines, Newsletters, etc. (5)

S. No.	Academic Year	Name of the News Letter	Frequency Quarterly/Yearly	Names of the Editor	Student Editorial Board
1	2020-2021	E-News	Half- Yearly	Mr. M Suresh Babu Assistant Professor	P Yashwanth (19911A1247) B Mohan (20915A1205) C Sindura (19911A12C6)
			Half- Yearly	Mr. M Suresh Babu Assistant Professor	Sai Nikhil(18911A1210) T Siddartha(19911A1256) P Harshitha(19911A1246)
2	2019-2020	E-News	Half- Yearly	Mr. M Suresh Babu Assistant Professor	K SaiVardhan(17911A1228) Akshat D(18911A1206) M Swapna(19911A1288)
			Half- Yearly	Mr. M Suresh Babu Assistant Professor	P Pallavi (17911A1241) B Anoj (18911A1213) K Kalyan (19911A1208)
3	2018-2019	E-News	Half- Yearly	Mr. M Suresh Babu Assistant Professor	K Himaja (16911A1224) K Somesh Sai(17911A1225) A Sai Nikhil (18911A1210)



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			Half- Yearly	Mr. M Suresh Babu Assistant Professor	P Anirudh(16911A1247) B Tarini (17911A1206) K M Nidhi (18911A1230)
4	2017-2018	E-News	Yearly	Mr. M Suresh Babu Assistant Professor	Sagar Tivari (15911A1248) Zeba Husna (16911A1260) R Nikhil (17911A1238)



4.5.3 Participation in Inter-institution Events by Students of the Program of Study (10)

Students' achievements Academic Year wise:

S.No	Academic Year	Number of the students	No of Awards
1	2020-21	25	-
2	2019-20	61	2
3	2018-19	41	2
4	2017-18	54	5



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Students' participation in various events:

Number of Students completed/attended	Academic	Academic Year	Academic Year	Academic
Online courses(Cisco, ISTE, Hacker Rank,	24	50	12	25
Workshop	2	3	7	23
Quiz	2	12	-	2
Hackathons	1	5	6	2
Papers Published	-	1	2	-
Coursera Certifications	2	118	-	-
Java J2EE Training	1	50	58	-
CISCO-Programming Essentials in Python	189	66	56	60
CISCO-Programming Essentials in CPP	-	58	-	-
IIT Bombay Spoken Tutorials -Linux	-	43	-	-
IIT Bombay Spoken Tutorials -C & CPP	-	14	-	-
IIT Bombay Spoken Tutorials -JAVA	-	-	30	-
IIT Bombay Spoken Tutorials -PHP &	-	-	16	-
IIT Bombay Spoken Tutorials -Drupal	-	-	15	-

Events within the State -Academic Year : 2020-21

S.No	Student Name	Event	Organizer/Venue	National/International	Date	Achievement
1	Y. Sai Manisha	Programming Essentials in Python	Indian Society for Technical Education	National	31 st -Mar-2020	Participated
2	Shaik Nayee-mah Gulfashan	Blue Prism Foundation Training	Blue Prism University	International	22 nd -Aug-2020	Participated
3	Balram Mishra	Data Science with Python	Skill Riders	National	30 th -Jan-2021	Participated
4	A Radha Sree	Programming with Python	Internshala Trainings	National	3 rd -Sep-2020	Participated
5	Shaik Nayee-mah Gulfashan	Professional – Level 1 in MS Word Short-	ARank Sheet Certificate	National	7 th -Oct-2020	Participated



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		cut Keys				
6	A Radha Sree	AI for Everyone – Deep learning	Coursera	International	24 th -Apr-2020	Participated
7	Vella Likhitha	Programming Solving (Basic)	Hacker Rank	National	9 th -Jun-2021	Participated
8	Suniganti Pravalika	Data Structures in C	Great Learning Academy	National	Aug 2021	Participated
9	Vella Likhitha	Python (Basic)	Hacker Rank	National	9 th -Jun-2021	Participated
10	Suniganti Pravalika	Free Microsoft Excel Training	Master of Project Academy	International	9 th -Aug-2021	Participated
11	Vella Likhitha	Data Science – Internship Programme	Exposys – Data Labs, Bangalore	National	16 th -May-2021 to 11 th -Jun-2021	Participated
12	A Radha Sree	Beginner Track – Through Google AI & Explore ML	Google	National	2 nd -Mar-2021	Participated
13	D. Kshitij	Programming Fundamentals through Google Developers	Google Developers	International	10 th -Dec-2020	Participated



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14	Yerra Sai Manisha	Professional – Level 2 in C	RankSheet	International	2 nd -Nov-2020	Participated
15	A RadhaSree	Intermediate Track – Google AI & Explore ML	Google	International	2th -Jul-2020	Participated
16	Gaikward Mohini	TCSION Career Edge young professionals	TCS	National	14 th -April 2021	Participated
17	G Mohini	Programming Essentials in Python	Indian Society for Technical Education	National	17 th -Feb 2021	Participated
18	A RadhaSree	Programming Essentials in Python	Indian Society for Technical Education	National	10 th -March-2020	Participated
19	Srivani	Information to cyber security	CISCO	International	21 st -June-2020	Participated
20	Srivani	Programming Essentials in C++	CISCO	National	13 th -March-2020	Participated

Events within the State -Academic Year : 2019-20

S.No	Student Name	Event	Organizer/Venue	National/International	Date	Achievement
1	A Sai Nikhil	Advance Ethical Hacking Workshop	Birla Institute of Technology, Hyderabad	National	27 th -Jan-2020	Winner
2	Akshat D	Advance Ethical Hacking Workshop	Birla Institute of Technology, Hyderabad	International	27 th -Jan-2020	Winner



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3	Akshat Dalmia	The New Era of Full Stack Development	IJERT	International	4 th - April-2020	Published
4	Abhishek Raj Chowdary	The New Era of Full Stack Development	IJERT	International	4 th - April-2020	Published
5	Shaik Nayee-mah Gulfashan	Chemistry in Everyday Life	Govt. Degree College for Women, Hyderabad	National	27 th -May-2020	Participated
6	Vella Likhitha	Introduction to IoT – Cisco Networking Academy	CISCO	International	23 rd -Mar-2020	Participated
7	D Kshitij	IT Basics Certification through	Google Developers	International	17 th -Apr-2020	Participated
8	Y. Sai Manisha	Programming Essentials in Python	CISCO	National	28 th -Oct-2019	Participated
9	A RadhaSree	Programming Essentials in Python	CISCO	National	28 th -Oct-2019	Participated
10	Vella Likitha	AI For Everyone	Coursera	International	25 th -May-2020	Participated
11	EmmadiSrivani	Programming Essentials in C	CISCO	National	14 th -Feb-2019	Participated
12	Shaik Nayee-mah Gulfashan	Cloud Security	IEEE Continuing Education	International	30 th -Apr-2020	Participated



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13	D Kshitij	C Advanced Certification through Google Developers	Google Developers	International	7 th -Mar-2020	Participated
14	D Kshitij	IUCEE AI	Google Developers	International	17 th -Apr-2020	Participated
15	Emmadi Sai Srivani	Programming for Everybody (Getting Started with Python)	Coursera	International	29 th -Apr-2020	Participated
16	Siddartha Thadikonda	Programming Essentials in C	CISCO	National	20 th -Apr-2020	Participated
17	Shaik Nayee-mah Gulfashan	Cryptography Fundamentals – IEEE Continuing Education, New York State	IEEE Continuing Education, New York State	National	30 th -Apr-2020	Participated
18	Emmadi Sai Srivani	Introduction to HTML5 - University of Michigan	Coursera	International	29 th -Apr-2020	Participated
19	SiddarthaThadikonda	Networking Essentials- Cisco Networking Academy	CISCO	International	29 th -Feb-2020	Participated
20	Vella Likitha	Introduction to HTML5 – Michigan University	Coursera	National	5 th -Jan-2020	Participated



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21	D Kshitij	HTML Certification through Google Developers	Google Developers	International	18 th -Apr-2020	Participated
22	Anvesh	Tasvir-Spikes20	Visakhapatnam	National	26 th -29 th Feb 2020	Participated
23	Shaik Nayee-mahGulfashan	Data Security in the Cloud – IEEE Continuing Education, New York State	IEEE Continuing Education, New York State	International	30 th -Apr-2020	Participated
24	D Kshitij	Social Media marketing Certification through Google Developers	Google Developers	International	26 th -Apr-2020	Participated
25	Y. Sai Manisha	Programming Essentials in C	CISCO	National	15 th -Feb-2019	Participated
26	Vella Likhitha	Programming Essentials in C++	CISCO	National	13 th -Mar-2020	Participated
27	SunigantiPravalika	PCAP: Programming Essentials in Python	Indian Society for Technical Education	International	30 th -Mar-2020	Participated
28	SridharthaThatikonda	Cisco NetAcad – ISTE National Level CODATHON-2020 –	CISCO	International	2020	Participated



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		EduSkills				
29	Shaik Nayee-mahGulfashan	What is the Internet of Things: An Introduction	IEEE Continuing Education	International	30 th -Apr-2020	Participated
30	Vella Likhitha	Write Professional Emails in English – Georgia Institute of Technology - Coursera	Coursera	International	29 th -Apr-2020	Participated
31	Vella Likhitha	Programming for Everybody (Getting started with Python) – Michigan University - Coursera	Coursera	International	27 th -Apr-2020	Participated
32	M. Anjali Reddy	Design & Technical Head Girl Up Deeksha	Girl Up	National	Jul-2020 to Jun-2021	Participated
33	Shaik Nayee-mah Gulfashan	Data Science Math Skills – Duke University	Coursera	International	30 th -Apr-2020	Participated
34	Suniganti Pravali	Master of Project Academy – FREE Ethical Hacker Training	Master of Project Academy	National	20 th -Aug	Participated



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35	Siddartha Thati-konda	Programming Essentials in Python	Indian Society for Technical Education	National	10 th -Mar-2020	Participated
36	Vella Likhitha	PCAP: Programming Essentials in Python – Indian Society for Technical Education	Indian Society for Technical Education	National	8 th -Mar-2020	Participated
37	Konduri Sai-vardhan	Cisco NetAcad - ISTE National Level CODATHON – 2020 - EduSkills	CISCO	International	20 th -Mar	Participated
38	Vella Likhitha	Cracking the Creative Code: Discovering Ideas- TechnionIsreal Institute of Technology	Coursera	International	16 th -May – 2020	Participated
39	Konduri Sai-vardhan	Architecting with Google Compute Engine	Google Cloud Training - Online	International	25 th -Sep-2019	Participated
40	Shaik Nayee-mah Gulfashan	Perfect Tenses and Modals – UCI Division of Continuing Education	Coursera	International	22 nd -May-2020	Participated
41	Yerra Sai Mani-sha	Programming Essentials in C++	CISCO	National	8 th -Apr-2020	Participated



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42	Vukkalker Nandini	Introduction to Cyber security – Cisco Networking Academy	CISCO	International	22 nd -Aug-2020	Participated
43	Shaik Nayee-mah Gulfashan	Space Communication & Technology	Kamala Institute of Technology & Science, Huzurabad	National	01 st -Jun-2020 to 04 th -Jun-2020	Participated
44	Anumu VenkataRamana	Python for Data Science – Cognitive class	Cognitive class	National	3 rd -Jun-2020	Participated
45	A RadhaSree	Cisco NetAcad – ISTE National Level CODATHON-2020	Cisco Networking Academy-EduSkills	National	22 nd March 2020	Participated
46	A RadhaSree	Introduction to Cyber Security	CISCO	National	15 th -Dec-2019	Participated
47	Yerra Sai Manisha	Operations/Support Engineering – Cloud Computing	AWS Educate Support	National	24 th -Sep-2019	Participated
48	Shaik Nayee-mah Gulfashan	Digital System Design	Holy Mary Institute of Technology & Science, Hyderabad	National	31 st -May-2020	Participated
49	Dantu Sweta	IUCEE AI for All – Indo Universal Collaboration for Engineering	IUCEE	International	September to November-2020	Participated



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		Education				
50	Shaik Nayee-mah Gulfashan	Electrical Safety	Joginpally B.R Engg. College, Hyderabad	National	28 th -May-2020	Participated
51	P. Mounika	EPAM India's IT Vacation Program – EPAM	EPAM	National	22 nd -Jun-2019	Participated
52	Srivani Emmadi	Programming Essentials in C++	CISCO	National	27 th Oct 2019	Participated
53	A Radha Sree	International Cyber Conflicts – The State University of New York	Coursera	International	5 th -May-2020	Participated
54	A Radha Sree	Cyber security and internet of things	Coursera	International	5 th -May-2020	Participated
55	A Radha Sree	Cyber security and internet of things	Coursera	International	5 th -May-2020	Participated
Events within the State -Academic Year : 2018-19						
S.No	K Himaja	IOT Challenge 2019	Anurag Group of Institutions	National	10th July-2018	Got selected to higher level



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1	K Himaja	Tekhac-AGI	Anurag Group of Institutions	National	7 th -9 th Jan-2019	Runner Up
2	Rebecca N	JASC-An Ubiquitous Smart Dumpster with User Interface Implemented using Sensors & Arduino Uno – JASC	KG Reddy College of Engineering & Technology, Hyderabad	National	20 th -21 st -Dec-2018	Paper Published
3	P. Mounika	JASC-An Ubiquitous Smart Dumpster with User Interface Implemented using Sensors & Arduino Uno – JASC	KG Reddy College of Engineering & Technology, Hyderabad	National	20 th -21 st -Dec-2018	Paper Published
4	K Himaja	JASC-An Ubiquitous Smart Dumpster with User Interface Implemented using Sensors & Arduino Uno	KG Reddy College of Engineering & Technology, Hyderabad	National	20 th -21 st -Dec-2018	Paper Published
5	Yugandhari B	JASC-An Ubiquitous Smart Dumpster with User Interface Implemented using Sensors	KG Reddy College of Engineering & Technology, Hyderabad	National	20 th -21 st -Dec-2018	Paper Published



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		&AuduinoUno				
6	P. Mounika	JASC- PARKFI: An Innovative Smart Secure and Systematic Parking Sys- tem using unique identi- fication im- plemented through IOT	KG Reddy Col- lege of Engineer- ing & Technolo- gy , Hyderabad	National	20 th – 21 st Dec- 2018	Paper Published
7	Rebecca N	JASC - PARKFI: An Innovative Smart Secure and Systematic Parking Sys- tem using unique identi- fication im- plemented through IOT	KG Reddy Col- lege of Engineer- ing & Technolo- gy , Hyderabad	National	20 th – 21 st Dec- 2018	Paper Published
8	K Himaja	JASC - PARKFI: An Innovative Smart Secure and Systematic Parking Sys- tem using unique identi- fication im- plemented through IOT	KG Reddy Col- lege of Engineer- ing & Technolo- gy , Hyderabad	National	20 th – 21 st Dec- 2018	Paper Published



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9	Yugandhari B	JASC - PARKFI: An Innovative Smart Secure and Systematic Parking System using unique identification implemented through IOT	KG Reddy College of Engineering & Technology, Hyderabad	National	20 th – 21 st Dec-2018	Paper Published
10	M Sneha	Youth speak forum-2018	Bits Pilani, Hyderabad	National	30 th -Sep-2018	Participated
11	Parepally Sugandhi	Ethical hacking	IIT Hyderabad	National	5 th & 6 th -Jan-2019	Participated
12	Vella Likhitha	Programming with Python	Internshala	National	06 Weeks	Participated
13	M. Surekha Reddy	PHP & MySQL test – Spoken Tutorial Project	IIT Mumbai	National	26 th -Jun-2019	Participated
14	D. Vedanth	NDG Linux Unhatched Course	CISCO	National	16 th -Apr-2019	Participated
15	Mohammed Adil	Introduction to Data Science	COGNITIVE CLASS	National	30 th -Jun-2019	Participated
16	P. Pravalika	NDG Linux Unhatched Course	CISCO	National	19 th -Apr-2019	Participated



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17	Polasani Mou-nika	Qlik Sense business Analyst	Qlik Q	National	Feb-2019	Participated
18	N. Rebecca	Python 3 Tutorial Course	SOLOLEARN	National	3 rd -Nov-2018	Participated
19	D. Vedanth	Tech Intern	Edubuk Trust	National	10 th Jan – Mar-2019	Participated
20	NalimelaMad-husha	NDG Linux Unhatched Course	CISCO	National	19 th -Apr-2019	Participated
21	Polasani Mou-nika	HTML5 Application Development Fundamentals	Microsoft	National	30 th -Jul-2018	Participated
22	M. Sneha	PWD Volunteer at Parliament Constituency General Elections LOK SABHA - 2019	District Election Officer, Hyderabad	National	11 th -Apr-2019	Participated
23	D. Vedanth	Excel & Advanced Excel	Rootcad Technologies	National	5 th Jan to 8 th Feb-2019	Participated
24	P. Pravalika	PHP and My and MySQL Test	IIT Bombay	National	26 th -Jun-2019	Participated
25	M. Surekha Reddy	HTML5 Application Development Fundamentals	Microsoft	National	30 th -Jul-2018	Participated



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26	Nalimela Madhusha	PHP and MySQL Test	IIT Bombay	National	26-Jun-2019	Participated
27	N. Rebecca	PHP and MySQL Test	IIT Bombay	National	26 th -Jun-2019	Participated
28	M. Surekha Reddy	Qlik Sense Business Analyst Qualification	Qlik Q	National	Feb-2019	Participated
29	D.Vedansh	Programming in C,C++	CISCO	National	25 th July-2017	Participated
30	D.Vedansh	Python A-Z full begin	Udemy	National	26 th May-2018	Participated
31	P Mounika	IOT Hackathon	CSI	National	28 th July-2018	Participated
32	P Sughandhi	Youth Speak	BITS PILANI Hyderabad	National	30 th Sep-2018	Participated
33	Y Priyanka	Youth Speak	BITS PILANI Hyderabad	National	30 th Sep-2018	Participated
34	Y Vaishnavi	Youth Speak	BITS PILANI Hyderabad	National	30 th Sep-2018	Participated
35	K.Himaja	Youth Speak	BITS PILANI Hyderabad	National	30 th Sep-2018	Participated



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36	P Hemanth	Youth Speak	BITS PILANI Hyderabad	National	30 th Sep- 2018	Partici- pated
37	M Sneha	Youth Speak	BITS PILANI Hyderabad	National	30 th Sep- 2018	Partici- pated
38	K Himaja	Internet-Of- Things	INBLUEDESK	National	10 th Ju- ly-2018	Partici- pated
39	K Himaja	Internet-Of- Things	INBLUEDESK	National	10 th Ju- ly-2018	Partici- pated

Events within the State -Academic Year : 2017-18

S.No	P Reethika	Quiz	Reliant Vision, Hyderabad	National	8 th Jan- 2018	Star Per- former
1	Alamder D	Quiz	Reliant Vision, Hyderabad	National	8 th Jan- 2018	Star Per- former
2	Niharika Thakur	Coder in Hackathon	Suntek Corp	National	4 th Dec- 2017	Outstand- ing Per- formance
3	M Rajitha	iMake:IOT Makers Space	Task&Hysea	National	Jun- 2016 to Nov- 2017	Outstand- ing Per- formance
4	M Haritha	ACode Mastu Event	Suntek Corp Hyderabad	National	4 th Dec- 2017	Outstand- ing Coder



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5	Naga Haarika Chowdhary	Airtel Hyderabad Marathon	Yo Grad	National	2017-2018	Team Leader
6	A Naga Haarika Chowdary	Street Cause	Radise , Hyderabad	National	1 st April, 2018	Participated
7	Ranjith K	Quest 2018	JNTUH	National	14 th -15 th Mar-2018	Participated
8	Sai Chandra Jainna	Quest 2018	JNTUH	National	14 th -15 th Mar-2018	Participated
9	Sai chandra Jainna	Web Development	Udemi	National	23 rd Feb-2018	Participated
10	Ranjith K	Web Development	Udemi	National	23 rd Feb-2018	Participated
11	Manisha Bukka	Workshop on Facebook	IIT Hyderabad	National	9 th -10 th Feb-2018	Participated
12	Niharika T	Workshop on Facebook	IIT Hyderabad	National	9 th -10 th Feb-2018	Participated
13	Haritha M	Workshop on Facebook	IIT Hyderabad	National	9 th -10 th Feb-2018	Participated
14	L Ramkumar	Workshop on Facebook	IIT Hyderabad	National	9 th -10 th Feb-	Participated



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					2018	
15	K Madhuri	Workshop on Facebook	IIT Hyderabad	National	9 th -10 th Feb-2018	Participated
16	Haarika Chowdhary	Workshop on Facebook	IIT Hyderabad	National	9 th -10 th Feb-2018	Participated
17	Prabhusai K	Cloud Computing - Elite - NPTEL	NPTEL	National	Feb - Mar-2018	Participated
18	Kadam Ranjith	Ethical Hacking & Cyber Security Workshop	Osmania University, Hyderabad	National	2 nd -3 rd Feb-2018	Participated
19	Haarika Chowdhary	Ethical Hacking & Cyber Security Workshop	Osmania University, Hyderabad	National	2 nd -3 rd Feb-2018	Participated
20	J Saichandra	Ethical Hacking & Cyber Security Workshop	Osmania University, Hyderabad	National	2 nd -3 rd Feb-2018	Participated
21	L Ramkumar	Ethical Hacking & Cyber Security Workshop	Osmania University, Hyderabad	National	2 nd -3 rd Feb-2018	Participated
22	K Madhuri	Ethical Hacking & Cyber Security Workshop	Osmania University, Hyderabad	National	2 nd -3 rd Feb-2018	Participated



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23	MohitChokda	SOLOLEARN	Udemi	National	16 th Jan-2018	Course Completion
24	E Sainath Reddy	Pointers in C	Udemy, DoEdu IT Educations	National	4 th Jan-2018	Participated
25	Mohd.Adil	Database Management-Certification Course	Udemi	National	30 th Dec-2017	Participated
26	E Sainath Reddy	Java New features	Udemy, DoEdu IT Educations	National	24 th Dec-2017	Participated
27	B.Yugandhari	Internship	OYO Campus Crew	National	25 th Nov-2017	Participated
28	Mohd.Adil	Published a Book on Amazon	Amazon	National	28 th Oct-2017	Published
29	E Sainath Reddy	Cambridge English Language Assessment	OFQUAL	National	26 th Oct-2017	Qualified
30	P. Mounika	Symposium on Emerging Technologies -	JNTU, Hyderabad	National	23 rd -Feb-2018	Participated
31	B.Yugandhari	Internshala	ELAN&NVISIO N°18, IIT Hyderabad	National	3 rd Oct-2017	Campus Ambassador
32	L Ram Kumar	Workshop on Automation using Cloud Computing	IIT Hyderabad	National	23 rd -24 th Sep-	Participated



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		and A.I			2017	
33	Ravikanti Santhosh	Save the Young Heart 5K Run	Hyderabad	National	24 th Sep-2017	Participated
34	K Himaja	ELAN&NVISION	IIT Hyderabad	National	23 rd -24 th Sep-2017	Participated
35	Vidhi Shah	ELAN&NVISION	IIT Hyderabad	National	23 rd -24 th Sep-2017	Participated
36	P Reethika	Step Up at Deloitte	Hyderabad	National	22 nd Sep-2017	Participated
37	B.Yugandhari	Tech Fest 2017	JNTU, Hyderabad	National	17 th -18 th Sep-2017	Participated
38	B.Yugandhari	Data Intense Text Processing using BIGDATA	JNTU, Hyderabad	National	17 th -18 th Sep-2017	Participated
39	A Naga Haarika Chowdhary	Technolites-17	Vardhaman College of Engineering, Hyderabad	National	15 th -16 th Sep-2017	Participation
40	R Santhosh	Hyderabad Marathon	Hyderabad	National	19 th & 20 th Aug 2017	Participated
41	Ravikanti Santhosh	YO!Grad	Hyderabad	National	22 nd Aug-2017	Team Leader



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42	M Hari Krishna	JNTU Excite 2K17	JNTU Hyderabad	National	20 th May-21 st Jul-2017	Presented
43	M Rajitha	JNTU Excite 2K17	JNTU Hyderabad	National	20 th May-21 st Jul-2017	Presented
44	Mohammed Adil	IBM Block Chain Essentials – IBM	IBM, Hyderabad	International	25 th -Jun-2018	Participated
45	Himaja K	Symposium on Emerging Technologies	Hyderabad	National	23 rd -Feb-2018	Participated
46	Sai vardhan	Street cause	Hyderabad	National	1 st April-2018	Participated
47	M Haritha	Sunteek Corp I.T Training	Sunteek	National	27 th Nov-8 th Dec 2017	Participated

A. Events outside the State -Academic Year : 2020-21						
S.No	Student Name	Event	Organizer/Venue	National/International	Date	Achievement
1	Gaikwad Mohini	I-Connect Leadership Development Program	Online AISSMS Institute of Management, Pune	National	3 rd -Jul-2021	Participated
2	Balram Mishra	Data Science with Python	IIT Delhi	National	06 th -Jul-2021 to 26 th Aug-2021	Participated
3	Balram Mishra	Data Science with Python	IIT Delhi	National	06 th Jul-2021 to 26 th Aug-2021	Participated
4	A RadhaSree	Data Science-Exposys	Data Labs, Bangalore	National	16 th -May-2021 to 11 th	Participated



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					-Jun-2021	
5	Dantu Sweta	Capture the Flag	Hult Prize IIM, Calcutta	National	16 th -Jul-2021	Participated
Events outside the State -Academic Year : 2019-20						
S.No	Student Name	Event	Organizer/Venue	National/ International	Date	Achievement
1	Shaik Nayeemah Gulfashan	Covid-19 Awareness Quiz	KLE College of Engineering & Technology, Chikodi, Karnataka	National	22 nd -May-2020	Participated
2	Shaik Nayeemah Gulfashan	Information Communication Technology Quiz	MIT Arts, Commerce & Science College, Pune	National	16 th -May-2020	Participated
3	Shaik Nayeemah Gulfashan	Online Quiz on Digital Learning Resources	MIT Arts, Commerce & Science College, Pune	International	5 th -Jun-2020	Participated
4	Shaik Nayeemah Gulfashan	Communication Skills	Govindrao Wanjari College of Engineering & Technology, Nagpur	National	30 th -May-2020	Participated
5	Shaik Nayeemah Gulfashan	Cellular Mobile Communications	Potti Sri Ramulu Chalavadi Mallikarjuna College of Engineering & Technology, Vijayawada	National	20 th -Jun-2020	Participated
6	Gaikwad Mohini	Covid-19 Awareness Program	Thiagarajar College of Engineering, Madurai	National	7 th -Jun-2020	Participated
7	Shaik Nayeemah Gulfashan	COVID-19 Pandemic General Awareness	Chandigarh Group of Colleges, Mohali, Punjab	National	25 th -Apr-2020	Participated
Events outside the State -Academic Year : 2018-19						
S.No	Student Name	Event	Organizer/Venue	National/ International	Date	Achievement
1	Amith Reddy Mandumula	HACKIN-CITY	Ataal bihar Vajpayee IIT Gwalior, Madhya Pradesh	National	8 th -Feb-2019	Participated
2	P.Anirudh	Hackathon	ABV-IIITM, Gwalior	National	7 th -Feb-2019	Participated
Events outside the State -Academic Year : 2017-18						
1	Prabhusai K	Mechanica, Campus Am-	IIT Madras	National	2017-2018	Participated



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		bassador				
2	LaxmanSahith	ISF-Street Cause	Vadodara, Gujarat	National	6 th Jan-2018	Organizer
3	Anirudh P	5 th Indian student Forum (SPEED)	Vadodara ,Gujarat	National	4 th -6 th Jan-2018	Participated
4	M Amith Reddy	5 th Indian student Forum (SPEED)	Vadodara ,Gujarat	National	4 th -6 th Jan-2018	Participated
5	SagarTivari	5 th Indian student Forum (SPEED)	Vadodara ,Gujarat	National	4 th -6 th Jan-2018	Participated
6	B.Yugandhari	Internshala	Delhi Technological University	National	18 th Oct-2017	Campus Ambassador
7	M Haritha	Cambridge English Language Assessment	Bangalore	National	26 th -Oct 2017	Qualified

B. Prizes/awards received in Events- Academic Year 2019-20

S.NO	Name of the Award/Recognition received	National/ International	Name of the Student
1	Winner -Advance Ethical Hacking Workshop	National	A Sai Nikhil
2	Winner -Advance Ethical Hacking Workshop	National	D Akshat

Prizes/awards received in Events- Academic Year 2018-19

S.NO	Name of the Award/Recognition received	National/ International	Name of the Student
1	Runner -Tekhack, Anurag Group of Institutions	National	K Himaja
2	Outstanding Performer - IOT Challenge	National	K Himaja

Prizes/awards received in Events- Academic Year 2017-18

S.NO	Name of the Award/Recognition received	National/ International	Name of the Student
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1	Star Performer in Reliant Vision	National	P Reethika
2	Star Performer in Reliant Vision	National	Alamder D
3	Outstanding Coder in Suntek Corp - A Code Mas-tu Event	National	M Haritha
4	Outstanding Coder in Hackathon	National	Niharika Thakur
5	Outstanding Coder in iMake : IOT Makers Space, Task & Hysea	National	M Rajitha

- Mr. Karnekota Tharun Kumar bearing Roll No 19911A1234 started his own page in Github, created 17 repositories.

github.com/tharunkarnkota

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- react-practical-notes** (Public)
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using python
Python ☆ 1
- cart-react-redux** (Public)
cart using react redux concept
JavaScript ☆ 2
- zigrocks** (Public)
A company website using html css js jquery bootstrap
HTML ☆ 1
- voice-assistent-telugu** (Public)
using python
Python ☆ 1

166 contributions in the last year

Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct

Mon

Wed



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Title of the Paper Published	Name of the journal	National/ International	Name of the Student
The New Era of Full Stack Development Introduction of Cloud and It's Impacts	International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 9 Issue 04, April-2020	International	Akshat Dalmia
		International	Abhishek Raj Chowdary

Published by :
<http://www.ijert.org>

International Journal of Engineering Research & Technology (IJERT)
ISSN: 2278-0181
Vol. 9 Issue 04, April-2020

The New Era of Full Stack Development

Intoduction of Cloud and It's Impacts

1st Akshat Dalmia
Information Technology Department
Vidya Jyothi Institute of Technology
Hyderabad, India

2nd Abhishek Raj Chowdary
Information Technology Department
Vidya Jyothi Institute of Technology
Hyderabad, India

Abstract—This is a concise study of the evolution of the full stack development due to advancement of technology and the introduction of cloud. It helps give you a better understanding of what full stack development was and how full stack development evolved, it shows a take on the fact that full stack development is not dead and has just evolved to better accommodate the user's needs.

A. Keywords
Full Stack Development, Cloud Computing, Networking Model, Full Stack Developer, Front-end Development, Back-end Development, Stack, Cloud, API, Development

B. Abbreviations and Acronyms
Graphical User Interface(GUI), Hypertext Markup Language (HTML),Cascading Style Sheets (CSS), Syntactically Awesome Style Sheet (SASS), Application Program Interface (API), Personal Home Page(PHP), Representational State Transfer (REST), Transmission Control Protocol/Internet Protocol (TCP/IP), Hypertext Transfer Protocol (HTTP), Open System's Interconnection (OSI), Linux, Apache, MySQL, PHP (LAMP), Windows, Apache, MySQL, PHP (WAMP), Cross Platform, Apache, MariaDB, PHP, Pearl (XAMPP), International Organization for Standardization (ISO), Hypertext Transfer Protocol Secure (HTTPS), Transmission Control Protocol (TCP),

Intranet. The web development process includes web design, web content development, client-side/server-side scripting and network security configuration, among other tasks. It could involve the development of static webpages to various applications for a website.

A. Front-end Development

Front-end development is how design gets implemented on the web. The pages of a website are a sum of layers—structure, data, design, content, and functionality. In other words, Front-end is the part of the website where users can see and interact with the graphical user interface (GUI) and the command line which includes the design, navigation menus, texts, images, videos, etc.

Some of the Front-end Languages include HTML, CSS, JavaScript, etc. and some of the Front-end Frameworks and Libraries include AngularJS, React.js, jQuery, SASS, etc. [1]

B. Back-end Development

Back-end Development refers to server-side development. It is the term used for the behind-the-scenes activities that occur when performing any action on a website.

In other words, it is the portion of software that does not come



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Title of the Paper Published	Name of the journal	National/ International	Name of the Student
PARKFI: An Innovative Smart Secure and Systematic Parking System using unique identification implemented through IOT	JASC JOURNAL,VOLUME VI ISSUE II,FEB-2019 , ISSN NO: 1076-5131, Page No:893-897 https://m.box.com/shared_item/https%3A%2F%2Fapp.box.com%2Fs%2Fr6m3veijdfwgbjd1oycsuhzlv7ifgqh6	National	K Himaja
		National	P Mounika
		National	B Yugandhari
		National	N Rebacca
An Ubiquitous Smart Dump-	JASC JOURNAL,VOLUME VI,	National	K Himaja



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ster with User Interface Implemented using Sensors and Arduino UNO	ISSUE II,FEB-2019, ISSN NO: 1076-5131, Page No:898-901 https://m.box.com/shared_item/https%3A%2F%2Fapp.box.com%2Fs%2Fvb2m7w94q5gepfx6pl6u3umig4bb9m7y	National	P Mounika
		National	B Yugandhari
		National	N Rebacca

JASC: Journal of Applied Science and Computations

ISSN NO: 1076-5131

PARKFI: An Innovative Smart Secure And Systematic Parking System Using Unique Identification Implemented Through IOT

Himaja.K^{#1}, Mounika.P^{#2}, Rebecca.N^{#3}, Yugandhari.B^{#4}.

Information Technology Department^{#1-4}, Vidya Jyothi Institute of Technology^{#1-4}.

¹iamhimaja@gmail.com

²mounikapolasani@gmail.com

³nrebeccaishwarya@gmail.com

⁴byugandhari1@gmail.com

Abstract— In the era of modernization, smart city is the buzz which is easily achievable through Internet of Things. Smart solutions for dwelling problems are being proposed by the upcoming engineers. The life style of citizens has changed drastically over past few years. Miles of distances have become minutes apart. Many efficient vehicles are being manufactured daily, to bring the cities close to each other. Providing security to such efficient vehicles is the need of the hour. Protection not only in presence of the chauffeur but



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An Ubiquitous Smart Dumpster with User Interface Implemented Using Sensors and ARDUINO UNO

Himaja.K^{#1}, Mounika.P^{#2}, Rebecca.N^{#3}, Yugandhari.B^{#4}, Lavanya.K^{#5}.
*Information Technology Department^{#1-4}, Vidya Jyothi Institute of Technology^{#1-4}.
Computer Science and Engineering^{#5}, MLR Institute of Technology^{#5}.*

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²mounikapolasani@gmail.com

³nrebeccaishwarya@gmail.com

⁴byugandhari1@gmail.com

⁵lav.k.2496@gmail.com

Abstract— In this growing world having a check on minute details in our vicinity is at task. However, they need to be acknowledged and problems need to be solved. The most diseases borne area in our vicinity is an open garbage bin. Though we find garbage bins in every nook and corner of the city that maintain the city clean, the question is how well they are maintained, how quickly they are emptied, when full. This can be successfully achieved through Internet of Things(IoT) in an economical and an efficient way. In this paper we present a simple yet efficient IoT based solution –‘The Smart Dumpster’to the problem faced by overflowing of a garbage bin. The proposed solution automates the garbage bin when full, which will inhibit the diseases spreading from an overflowing garbage bin. The paper also discusses the flaws in the existing IoT based dumpsters and an easy fix for them. The possible



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An ISO : 7021 - 2008 Certified Journal

ISSN NO: 1076-5131 / web : <http://j-asc.com/> / e-mail : submitjasc@gmail.com

Address : H.NO: C-72, Gali No: 3, Hardev Nagar, Jharoda, Burari, New Delhi - 110084

CERTIFICATE OF PUBLICATION

This is to certify that the paper entitled

“PARKFI: AN INNOVATIVE SMART SECURE AND SYSTEMATIC PARKING SYSTEM USING UNIQUE IDENTIFICATION IMPLEMENTED THROUGH IOT”

Authored by

Yugandhari. B

From

Vidya Jyothi Institute of Technology

Has been published in

JASC JOURNAL, VOLUME VI, ISSUE II, FEBRUARY- 2019



N. Balasubramanian
Dr. N. BALASUBRAMANIAN
Editor-In-Chief
JASC
<http://j-asc.com/>





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5. FACULTY INFORMATION AND CONTRIBUTIONS (200)

2020-2021

S. No.	Name	PAN No.	Qualification	Area of	Designation	Date of receiving Degree	Date of Joining	Date on which Designated as Professor/ Associate	No Of Papers	Currently Associated (Y/N)	Nature of Association	If contractual mention Full time	Date of Leaving (In case Currently Associated is "No")
1.	Dr.Siddhartha Ghosh	AFTPG2788M	P.hD	CSE	Professor	06/06/2011	01/02/2012	01/02/2012	-	Y	Regular	Full time	-
2	Dr.M.Nagabhushana Rao	AFLPM4205M	P.hD	CS	Professor	25/04/2007	02/03/2020	02/03/2020	1	Y	Regular	Full time	-
3	Dr.SRM Krishna	CHGPS0516Q	P.hD	CSE	Professor	30/08/2017	20/12/2018	20/12/2018	-	N	Regular	Full time	29.06.2021
4	Dr.A.Obulesh	AARPO5102A	P.hD	CSE	Assoc. Prof	11/03/2019	01/06/2019	01/06/2019	-	Y	Regular	Full time	-
5	B .Eswar Babu	AAPKE5287F	M.Tech	SE	Asst .Prof	01/12/2010	24/07/2006	24/07/2006	-	Y	Regular	Full time	-
6	K.Mallikarjuna Rao	AIWPK8941L	M.Tech	CSE	Asst .Prof	09/12/2013	01/08/2006	01/08/2006	-	Y	Regular	Full time	-



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7	D. Anil	ALUPD3136D	M.Tech	SE	Asst .Prof	06/02/2012	18/08/2008	18/08/2008	-	Y	Regular	Full time	-
8	T .Devi	AZNPB4723H	M.Tech	SE	Asst .Prof	10/10/2012	08/09/2008	08/09/2008	-	Y	Regular	Full time	-
9	G. Indira Priyadarshini	ATNPG8590P	M.Tech	CSE	Asst .Prof	24/10/2013	29/06/2009	29/06/2009	-	Y	Regular	Full time	-
10	M..Vijaya Shanthi	ATWPM6516A	M.Tech	CSE	Asst .Prof	27/09/2011	27/08/2011	27/08/2011	1	Y	Regular	Full time	-
11	A. Devakishan	ASZPA7897C	M.Tech	SE	Asst .Prof	01/09/2009	23/06/2014	23/06/2014	2	Y	Regular	Full time	-
12	M .Suresh Babu	BINPM8123Q	M.Tech	SE	Asst .Prof	30/08/2012	06/08/2008	06/08/2008	-	Y	Regular	Full time	-
13	J.Bramarambha	AWOPJ6969K	M.Tech	CSE	Asst .Prof	09/11/2013	02/07/2012	02/07/2012	-	Y	Regular	Full time	-
14	C.Rama Krishna	AJVPC5875B	M.Tech	CSE	Asst .Prof	10/03/2014	10/04/2015	10/04/2015	-	Y	Regular	Full time	-
15	D.Anuradha	CQUPD3316G	M.Tech	CSE	Asst .Prof	02/01/2012	01/07/2016	01/07/2016	-	Y	Regular	Full time	-
16	G.Chencha Rao	BIHPG1618N	M.Tech	CSE	Asst .Prof	31/12/2012	04/02/2020	04/02/2020	-	Y	Regular	Full time	-
17	M. Sharwani	FKMPS0561M	M.Tech	CSE	Asst .Prof	05/10/2019	07/02/2020	07/02/2020	-	Y	Regular	Full time	-
18	D.Sravanthi	BICPD5978H	M.Tech	SE	Asst .Prof	05/01/2012	29/02/2020	29/02/2020	-	Y	Regular	Full time	-



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2019-2020

S. No.	Name	PAN No.	Qualification	Area of Specialization	Designation	Date of receiving Degree	Date of Joining	Date on which Designated as Professor/ Associate Professor	No Of Papers Published	Currently Associated (Y/N)	Nature of Association (Regular/Contract/ Adjunct)	If contractual mention Full time or Part time	Date of Leaving (In case Currently Associated is "No")
1.	Dr.Siddhartha Ghosh	AFTPG2788 M	P.hD	CSE	Professor	06/06/2011	01/02/2012	01/02/2012	10	Y	Regular	Full time	-
2	Dr.SRM Krishna	CHGPS0516 Q	P.hD	CSE	Professor	30/08/2017	20/12/2018	20/12/2018	-	Y	Regular	Full time	-
3	Dr.A.Obulesh	AARPO5102 A	P.hD	CSE	Assoc. Prof	11/03/2019	01/06/2019	01/06/2019	-	Y	Regular	Full time	-
4	B .Eswar Babu	AAPKE5287 F	M.Tech	SE	Asst .Prof	01/12/2010	24/07/2006	24/07/2006	4	Y	Regular	Full time	-
5	K.Mallikarjuna Rao	AIWPK8941 L	M.Tech	CSE	Asst .Prof	09/12/2013	01/08/2006	01/08/2006	-	Y	Regular	Full time	-
6	D. Anil	ALUPD3136 D	M.Tech	SE	Asst .Prof	06/02/2012	18/08/2008	18/08/2008	-	Y	Regular	Full time	-
7	T .Devi	AZNPB4723 H	M.Tech	SE	Asst .Prof	10/10/2012	08/09/2008	08/09/2008	1	Y	Regular	Full time	-



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8	G. Indira Priyadarshini	ATNPG8590 P	M.Tech	CSE	Asst .Prof	24/10/2013	29/06/2009	29/06/2009	-	Y	Regular	Full time	-
9	M..Vijaya Shanthi	ATWPM651 6A	M.Tech	CSE	Asst .Prof	27/09/2011	27/08/2011	27/08/2011	1	Y	Regular	Full time	-
10	A. Devakishan	ASZPA7897 C	M.Tech	SE	Asst .Prof	01/09/2009	23/06/2014	23/06/2014	2	Y	Regular	Full time	-
11	M .Suresh Babu	BINPM8123 Q	M.Tech	SE	Asst .Prof	30/08/2012	06/08/2008	06/08/2008	5	Y	Regular	Full time	-
12	J.Bramarambha	AWOPJ6969 K	M.Tech	CSE	Asst .Prof	09/11/2013	02/07/2012	02/07/2012	2	Y	Regular	Full time	-
13	C.Rama Krishna	AJVPC5875 B	M.Tech	CSE	Asst .Prof	10/03/2014	10/04/2015	10/04/2015	-	Y	Regular	Full time	-
14	D.Anuradha	CQUPD3316 G	M.Tech	CSE	Asst .Prof	02/01/2012	01/07/2016	01/07/2016	1	Y	Regular	Full time	-



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2018-2019

S. No.	Name	PAN No.	Qualification	Area of Specialization	Designation	Date of receiving Degree	Date of Joining	Date on which Designated as Professor/ Associate Professor	Publishe	Currently Associated (Y/N)	Association (Regular/Contract/ If contractual	ment Full time or Part time	Date of Leaving (In case Currently Associated is "No")
1.	Dr.Siddhartha Ghosh	AFTPG2788M	P.hD	CSE	Professor	06/06/2011	01/02/2012	01/02/2012	5	Y	Regular	Full time	-
2	Dr.S.V. Naga Sreenivasu	ANPQS8267G	P.hD	CSE	Professor	13/06/2014	06/03/2012	06/03/2012	-	Y	Regular	Full time	15.05.2019
3	B .Eswar Babu	AAPKE5287F	M.Tech	SE	Asst. Prof	01/12/2010	24/07/2006	24/07/2006	-	Y	Regular	Full time	-
4	K.Mallikarjuna Rao	AIWPK8941L	M.Tech	CSE	Asst .Prof	09/12/2013	01/08/2006	01/08/2006	-	Y	Regular	Full time	-
5	D. Anil	ALUPD3136D	M.Tech	SE	Asst .Prof	06/02/2012	18/08/2008	18/08/2008	-	Y	Regular	Full time	-
6	T .Devi	AZNPB4723H	M.Tech	SE	Asst .Prof	10/10/2012	08/09/2008	08/09/2008	-	Y	Regular	Full time	-
7	G. Indira Priyadarshini	ATNPG8590P	M.Tech	CSE	Asst .Prof	24/10/2013	29/06/2009	29/06/2009	-	Y	Regular	Full time	-
8	M..Vijaya Shanthi	ATWPM6516A	M.Tech	CSE	Asst .Prof	27/09/2011	27/08/2011	27/08/2011	1	Y	Regular	Full time	-



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9	A. Devakishan	ASZPA7897C	M.Tech	SE	Asst .Prof	01/09/2009	23/06/2014	23/06/2014	1	Y	Regular	Full time	-
10	M .Suresh Babu	BINPM8123Q	M.Tech	SE	Asst .Prof	30/08/2012	06/08/2008	06/08/2008	-	Y	Regular	Full time	-
11	J.Bramarambha	AWOPJ6969K	M.Tech	CSE	Asst .Prof	09/11/2013	02/07/2012	02/07/2012	-	Y	Regular	Full time	-
12	C.Rama Krishna	AJVPC5875B	M.Tech	CSE	Asst .Prof	10/03/2014	10/04/2015	10/04/2015	-	Y	Regular	Full time	-
13	D.Anuradha	CQUPD3316G	M.Tech	CSE	Asst .Prof	02/01/2012	01/07/2016	01/07/2016	-	Y	Regular	Full time	-

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

$S:F$ ratio = N/F ; N =No. of students= $3x$ where x is (approved intake + 20% lateral entry intake+ separate division, if any)

F = No. of faculty = $(a + b - c)$ for every assessment year

a: Total number of full-time regular Faculty serving fully to 2nd, 3rd and 4th year of the this program

b: Total number of full-time equivalent regular Faculty(considering fractional load) serving this program from other Program(s)

c: Total number of full time equivalent regular Faculty(considering fractional load) of this program serving other program(s)

- Fulltime on roll with prescribed pay scale. An employee on contract for period of more than two years AND drawing consolidated salary more than applicable gross salary shall only be counted as a regular employee.
- Prescribed pay scales means pay scales notified by the AICTE/Central Government and implementation as prescribed by the State Government prescribes lesser consolidated salary for a particular cadre then same will be considered as reference while counting faculty as a regular faculty.

Marks to be given proportionally from a maximum of 20 to a minimum of 10 for average SFR between 15:1 to 20:1, and zero for average



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SFR higher than 20:1.

Information Technology						
Year of Study	CAY		CAYm1		CAYm2	
	(2020-21)		(2019-20)		(2018-19)	
	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students
2nd Year	180	14	60	6	60	0
3rd Year	60	6	60	0	60	0
4th Year	60	0	60	0	60	0
Sub-Total	300	20	180	6	180	0
Total	320		186		180	

Description	CAY(2020-21)	CAYm1 (2019-20)	CAYm2 (2018-19)
Total No. of Students in the Department(S)	320 Sum total of all (UG+PG) students	186 Sum total of all (UG+PG) students	180 Sum total of all (UG+PG) students



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No. of Faculty in theDepartment(F)	18	14	13
Student Faculty Ratio(SFR)	17.78 SFR1=S1/F1	13.29 SFR2=S2/F2	13.85 SFR3=S3/F3
Average SFR	14.97 SFR=(SFR1+SFR2+SFR3)/3		
F=Total Number of Faculty Members in the Department (excluding first year faculty)			

Average SFR for Years assessment years: 14.97

Assessment SFR:20

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
2020-2021	1	3	3	1	10	14
2019-2020	1	2	2	1	6	11
2018-2019	1	2	2	0	6	11
Average Numbers	RF1=1.00	AF1=2.33	RF2=2.33	AF2=0.67	RF3=7.33	AF3=12

Cadre Ratio Marks= $[[AF1/RF1]+[(AF2/RF2)*0.6]+[(AF3/RF3)*0.4]*10]$ =20

5.3. Faculty Qualification (20)

$FQ = 2.0 \times [(10X + 6Y)/F]$ 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 1:20 Faculty Student ratio (no. of faculty and no. of students required are to be calculated as per 5.1)

	X	Y	F	$FQ=2.0x[(10X+6Y)/F]$
2020-2021	4	14	15	12.80
2019-2020	3	11	9	16.44
2018-2019	2	11	9	14.22
Average Assessment				14.49

Average Assessment: 14.49



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5.4. Faculty Retention (10)

Description	2020-2021	2019-2020
No. of Faculty Retained	12	12
Total No. of Faculty	13	13
% of Faculty Retained	92	92

Average: 92

Assessment Marks:10

5.5. Faculty Competencies in Correlation to Program (10)

It is long held that the most important resource that any institution of higher education has, is its faculty members who teach knowledge and skills to students. The Engineering Institute faculty members are currently faced with increasing demands to be creative and effective teachers and mainly facilitators of the meeting between the student and knowledge. These demands have been derived from contemporary curriculum development and competitive industry needs. It is also emphasized that such changes entailed faculty members to acquire new knowledge, diverse skills, and abilities in many aspects including, managing multiple roles and new responsibilities, being mentors and integrate technology into teaching, learning & research while mastering new ICT proficiency in teaching.

In order to prepare tomorrow's professionals for challenging and rewarding careers, the role of faculty in higher education is of exceptional importance. A professional teacher should possess essential competencies that develop as a result of changing needs of our educational community, diversity of student groups and rapid industrial growth.



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Department of Information Technology, the faculty members, is motivated to participate in workshops, FDPs in order to deal with the rapid changes and shifting paradigms in engineering education. The FDPs organized by the management have proven to be successful for further refining the teaching skills. Apart from participation faculty enhances knowledge through MOOC courses, Certification Courses through various platforms listed below. The institution supports the faculty members to do research by awarding special incentives in the form of cash and special leave. The faculty members and students of the institute published research papers in various national and international peer reviewed, Scopus, SCI Indexed and UGC recognized journals. Innovations of faculty members and their findings in research are published in patents.

The knowledge and expertise gained by the faculty members through various program specific competencies are utilized in teaching learning, guiding them to hackathons, research and in writing research publications.

A.Specialization

S. No	Specialization	Name of Faculty	Course Competencies	Number of Publications
1	Data Science	1.Dr.M. Nagabhushana Rao 2.Dr.A. Obulesh 3.Devakishan Adla 4.D. Anuradha 5.J Bramaramba 6.D.Anil	Python Programming Machine Learning, Operating Systems, Design and Analysis of Algorithms Database Management Systems Big Data Analytics	69
2	Networking	1.Dr.S.R.M. Krishna 2.B. Eswar Babu 3.Devakishan Adla	Computer Networks, Information Security, Python Programming,	25



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			Web Technologies	
3	Artificial Intelligence	1.Dr. Siddhartha Ghosh 2. Dr.S.V. Naga Sreenivasu 3.M. Vijayashanthi	Artificial Intelligence, Natural Language Processing, Programming for Problem Solving	30
4	Data Mining	1.P Lakshmi Sony 2.T. Devi 3.G.Chencha rao	Data Warehousing and Data Mining, Artificial Intelligence, Data Base Management Systems, Java Programming	13
5	Image processing	1.M. Vijayashanthi 2. C.Rama Krishna 3.Dr. Siddhartha Ghosh	Java Programming, Python Programming, Artificial Intelligence, Machine Learning	10
6	Cloud Computing	1.M Suresh Babu 2.G.Indira Priyadarshini 3.Laxmi Hugar	Cloud Computing, Operating Systems, Big Data Analytics	12



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B.Research Publications:

S.No	Name of the Faculty	Title of the paper	Journal
2020-2021			
1	M. Nagabhushana Rao	Prediction Of Chronic Diseases at An Early Phase Using Machine Learning Approach	Turkish journal of Physiotherapy & Rehabilitation
2	Obulesu A.	MRI Image Segmentation Using Bat Optimization Algorithm with Fuzzy C Means (BOA-FCM) Clustering	Journal of Medical Imaging and Health Informatics
3	Devakishan Adla	Applications of Raspberry Pi and Arduino to Monitor Water Quality Using Fuzzy Logic	Advances in Intelligent Systems and Computing
4	Devakishan Adla	Deep learning-based computer aided diagnosis model for skin cancer detection and classification	Distributed and Parallel Databases
5	A. Obulesh et al.	Central Nervous System Tumor Classification Using Residual Neural Network	Purakala (UGC Care Journal)
6	M.Vijaya Shanthi	Predicting Distribution of Fall armyworm Pest in India for Rice Crop using Climate features with Max Entropy Modelling	High Technology Letters Volume 26 Issue 10



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2019-2020			
7	Siddhartha Ghosh	Sales Analysis and Performance of super store using Qlik Geo Analytics	Advance in Computational Intelligence and Informatics.
8	Siddhartha Ghosh	Analysis Of Agricultural Data for Maximum Benefit of Farmer	The International journal of analytical and experimental modal analysis
9	Siddhartha Ghosh	Application of Data Analysis in Health Care	The International journal of analytical and experimental modal analysis
10	Siddhartha Ghosh	Parking System for Smart Cities	International Journal of Recent technology and Engineering
11	Siddhartha Ghosh	Automatic Parallel Car Parking System using Sensors and Adriano UNO	International Journal of Recent Technology and Engineering
12	Siddhartha Ghosh	Strengthening Industry Institute collaboration and its outcome	Journal of Engineering Education Transformations
13	B.Ehwar Babu	Dynamic Channel Allocation Using Integer Linear Programming in Cellular Networks	IEEE CONECCT 2019
14	B.Eswar Babu	Modern Network Security: Issues and Challenges	International Journal of Scientific Research in Engineering and Management



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15	B.Eswar Babu	Optimized Secured Mobile Ad-Hoc Network with CCM-OMF Model	The International journal of analytical and experimental modal analysis
16	A.Obulesh	Facial expression classification using Cross Diagonal Neighborhood Pattern, IOP Conf. Series	Journal of Physics: Conf. Series
17	A.Obulesh	A Scheme to Identify Suspicious Activity on Video	International Journal of Recent Technology and Engineering
18	B.Eswar Babu	Cooperative Channels Allocation in LTE-U Spectrum for 5G Cellular Network	The International journal of analytical and experimental modal analysis
19	M. Suresh Babu	Privacy Preservation Data Mining Techniques in Data Sanitization using Firefly Algorithm	The International journal of analytical and experimental modal analysis
20	S.R.M Krishna	Optimal secured reliable routing paths identification in MANET through Intelligent Probability Statistic Model	Springer, LNEE series
21	S.R.M Krishna	Optimized Secured Mobile Ad-Hoc Network with CCM-OMF Model	The International journal of analytical and experimental modal analysis
22	A.Obulesh	Image Re-ranking Based on Topic Diversity,	International Journal of Management, Technology and Engineering
2018-2019			
23	A.Obulesh	A Comparative Study of Medical Image Classification Using Machine Learning Methods	International Journal of Engineering Research in Computer Science and



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			Engineering
24	Siddhartha Ghosh	Aviation Safety Analysis using Data Analytics	Journal of Applied Science and Computations
25	Siddhartha Ghosh	Use of Natural User Interface in E-Learning	International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM)
26	A.Obulesh	Classification of Lung Patterns based on Transition Neighborhood Pattern (TNP)	Jour of Adv Research in Dynamical & Control Systems
27	Siddhartha Ghosh	Student Performance and Academic Pattern Analysis	International journal of Scientific Research in Science Engineering & Technology
28	M. Nagabhushana Rao	Low-Cost Geo Distributed Data Centres with Big Data Process	Journal of Advanced Research in Dynamical and Control Systems
29	M. Nagabhushana Rao	A Comprehensive Study of IOT: Security Issues and Challenges	International Journal of Emerging
30	M.Vijayashanthi	Survey on Recent Advanced in Content Based Image Retrieval Techniques	Journal of Innovation in Computer Science and Engineering



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31	A.Obulesh	A Literature Survey on Emotion Recognition System Using Facial Expressions	International Journal of Engineering Research in Computer Science and Engineering
32	M. Nagabhushana Rao	Quick Identification of Specific Activity by Processing of Large-Size Videos Using Advanced Spotter	International Journal of Emerging

C. Course Development

S.No	Faculty Name	Course	Link
1	Dr.M.Nagabhushana Rao	Basics for R Programming Language for buddies	https://www.udemy.com/user/m-n-rao/
2	Dr.M.Nagabhushana Rao	Basics of R for Data Sciences	https://www.udemy.com/user/m-n-rao/
3	B.Eswar Babu	Data Structures Binary Tree Traversals Stack implementation using LL infix to postfix	https://youtu.be/UE4HxQJB_Fw https://youtu.be/AhLpSsHoP6Q https://youtu.be/e2d3XlzMD8s https://youtu.be/emLMg_BaCb4
4	B.Eswar Babu	Information Security	https://youtu.be/E_-3MV6nEp0 https://youtu.be/ofFEHER118k



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D.Other Relevant Points

1. Faculty Certifications

S.No.	Name of the Faculty	Course Name	Certification
2020-2021			
1	T.Devi	IUCEE Online Teaching Course	IUCEE
2019-2020			
1	M.Vijayashanthi	Introduction to Tensorflow for Artificial Intelligence, Machine Learning and Deep Learning	Coursera
2	M.Vijayashanthi	Python Basics for beginners: Learn python Fundamentals by Coding	e-Box
3	M.Vijayashanthi	Getting started with AWS Machine Learning	Coursera
4	Devakishan Adla	Cyber Crimes and it's preventive measures	Udemy
5	B.Eswar Babu	Cyber Crimes and it's preventive measures	Udemy
6	G. Indira Priyadarshini	Introduction to Internet of Things and Embedded Systems	Coursera
7	G. Indira Priyadarshini	Introduction to HTML5	Coursera
8	B.Eswar Babu	Introduction to HTML5	Coursera
9	Devi Borra	Introduction to HTML5	Coursera



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10	Degala Anil	Introduction to HTML5	Coursera
11	C. Ramakrishna	Introduction to HTML5	Coursera
12	Bramaramba	Getting Started with AWS Machine Learning	Coursera
13	B.Eswar Babu	AWS Fundamentals: Going cloud Native	Coursera
14	B.Eswar Babu	Python Basics	Coursera
15	B.Eswar Babu	Python Programming for Everyone	Udemy
16	Sravanthi Dubasi	Programming for Everybody - Getting Started with Python	Coursera
17	M.Vijayashanthi	Introduction to Data Science in Python	Coursera
18	G. Chench Rao	Programming for Everybody - Getting Started with Python	Coursera
19	B.Eswar Babu	Machine Learning A-Z™ Hands-on Python & R in Data Science	Udemy
20	Devakishan Adla	Machine Learning A-Z™ Hands-on Python & R in Data Science	Udemy
21	B.Eswar Babu	Intel® Network Academy - Network Transformation 102	Coursera
22	B.Eswar Babu	Machine Learning Algorithms: Supervised Learning Tip to Tail	Coursera
23	Devakishan Adla	AWS Fundamentals going Cloud-Native	Coursera
24	Devakishan Adla	Intel® Network Academy - Network Transformation 102	Coursera



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25	Devakishan Adla	Machine Learning Algorithms: Supervised Learning Tip to Tail	Coursera
26	Devi Borra	Introduction to Internet of Things and Embedded Systems	Coursera
27	B.Eswar Babu	Photoshop, Web Design & Profitable Free Lancing	Udemy
28	M.Suresh Babu	Intel® Network Academy - Network Transformation 102	Coursera
29	M.Suresh Babu	Cloud computing basics (Cloud 101)	Coursera
30	P. Lakshmi Sony	Introduction to Cloud Identity	Coursera
31	P. Lakshmi Sony	Introduction to Tensorflow for Artificial Intelligence, Machine Learning and Deep Learning	Coursera
32	Sravanthi Dubasi	Programming Fundamentals	Coursera
33	Laxmi Hugar	Programming Fundamentals	Coursera
34	Laxmi Hugar	Introduction to Tensorflow for Artificial Intelligence, Machine Learning and Deep Learning	Coursera
35	Sravanthi Dubasi	Introduction to IOT	CISCO
36	Sravanthi Dubasi	programming essential in Python	CISCO
37	Sravanthi Dubasi	NDG LINUX	CISCO
38	Sravanthi Dubasi	C Programming	CISCO
39	B. Eswar babu	NPTEL	SWAYAM – NPTEL



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2018-2019

1	M. Suresh babu	NPTEL –Elite and Silver	SWAYAM - NPTEL
2	G. Indira Priyadarshini	NPTEL –Elite and Silver	SWAYAM - NPTEL
3	M. Vijayashanthi	NPTEL –Elite and Silver	SWAYAM - NPTEL
4	D. Anuradha	NPTEL –Elite	SWAYAM - NPTEL
5	D. Anuradha	OCJP CERTIFICATION	JAVA
6	D. Anuradha	ISTQB CERTIFICATION	TESTING
7	Dr.SRM Krishna	Cisco Networking Academy Orientation Course	CISCO

2.Interaction with Outside world

2020-21

S.No	Faculty Name	Event
1	Dr.M.N.Rao	Seminar on Big Data & Hadoop Dt: 29 th Jan 2021 at Ramachandra College of Engineering
2	M.Suresh Babu	Guest lecture on Cloud Computing Dt: 21 st Nov 2020 at KG Reddy College of Engineering
2019-20		
1	Dr.SRM Krishna	Session Chair for ICISA (2019) which is organized in South Korea on 16 th & 17 th Dec 2020 organized by IEEE, Springer.



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2	T.Devi	Guest lecture on Big Data in the year of 29 th Jan2020 at Lords College of Engineering
3	B.Eswar Babu	Seminar on Network Security on 19 th Dec 2019 at CMR College of Engineering
2018-19		
1	Dr.Siddhartha Ghosh	Chaired for ICCACMCE on 20 & 21 December 2018 at KG Reddy College of Engineering

3.Faculty Development Programs /Workshop Organized

S.No	Title of the professional development program organized for teaching staff	From date	To Date	Number of participants (Teaching staff)
2020-2021				
1	3 day FDP on “Applications of Machine Learning & Data Science in Emerging areas”	18.02.2021	20.02.2021	39
2	A webinar on “Intellectual property rights with emphasis on patents”	07.01.2021	07.01.2021	67
3	NAAC awareness workshop	02.01.2021	03.01.2021	38



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4	A Workshop on ICT Tools	10.10.2020	10.10.2020	14
5	One Week Online FDP on Recent Trends and Advancements in Computer Science by Eminent Academicians	22.07.2020	28.07.2020	39
2019-2020				
1	4-Day Online Global FDP on Advanced Artificial Intelligence and Data Engineering	08.06.2020	11.06.2020	39
2	A workshop on C and C++ Collaboration with IIT Bombay	29.02.2020	29.02.2020	42
3	A-Z hands on Python & R in Data Science	21.01.2020	22.01.2020	23
2018-2019				
1	FDP on Virtualization and Cloud Computing	20.05.2019	25.05.2019	22



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2	FDP on Bigdata Analytics	15.11.2018	17.11.2018	18
3	A Two -Day Workshop on Artificial Intelligence and Deep Learning	27.04.2019	28.04.2019	43

4.Workshops attended by Faculty in their respective domains

S.No.	Name of the faculty	Title	Date	Duration	Organized by
A.Y: 2020-2021					
1	Dr. M Nagabhushana Rao	JNTUH-TEQIP-III supported Faculty Development Programme (FDP) on “Application of Machine Learning & Data Science in the Emerging Areas”	18 th to 20 th February 2021	3 days	JNTUH-TEQIP-III at VJIT
2	Dr.S.R.M Krishna	FDP on "CYBER SECURITY"	28 th May to 1 st June 2020	5 Days	Sreenidhi Institute of Science and Technology in association with Supraja Technolgy
3	B Eswar Babu	FDP on "CYBER SECURITY"	28 th May to 1 st June 2020	5 Days	Sreenidhi Institute of Science and Technology in association with Supraja Technolgy



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4	J Bramaramba	JNTUH-TEQIP-III supported Faculty Development Programme (FDP) on “Application of Machine Learning & Data Science in the Emerging Areas”	18 th to 20 th February 2021	3 days	JNTUH-TEQIP-III at VJIT
5		FDP On Recent Advances In Big Data Analytics Of Iot-Devices Using Fog Computing	14 th to 26 th December 2020	2 weeks	Malla Reddy College of Engineering & Technology
6		FDP on Quantum Computing and Machine Learning	30 th November to 05 th December 2020	6 days	JNTUA College of Engineering, Pulivendhula
7	A.Devakishan	JNTUH-TEQIP-III supported Faculty Development Programme (FDP) on “Application of Machine Learning & Data Science in the Emerging Areas”	18 th to 20 th February 2021	3 days	JNTUH-TEQIP-III at VJIT
8	D.Anuradha	FDP On Recent Advances In Big Data Analytics Of Iot-Devices Using Fog Computing	14 th to 26 th December 2020	2 weeks	Malla Reddy College of Engineering & Technology
2019-2020					
1	Dr.S.R.M.Krishna	Hands on Work Shop on Cisco Global IPD Session	18 th to 20 th February 2021	3 days	JNTUH-TEQIP-III at VJIT
2		FDP on "CYBER SECURITY"	28th May - 1st June 2020	5 Days	Sreenidhi Institute of Science and Technology in association with Supraja Technolgy
3	B.Eswar Babu	Hands on Work Shop on Cisco Global IPD Session	18 th to 20 th February 2021	3 days	JNTUH-TEQIP-III at VJIT



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4		FDP on "CYBER SECURITY"	28th May - 1st June 2020	5 Days	Sreenidhi Institute of Science and Technology in association with Supraja Technology
5	J. Bramaramba	FDP on - Intelligent Computing In Data Science (Icds- 2020)	16th to 20th June 2020	5 days	Aditya Institute of Technology and Management, Tekkali
6	A Devakishan	Hands on workshop on "Artificial Intelligence and Deep Learning" conducted by leadingindia.ai, a nationwide initiative by Bennett University	27th & 28th April 2019	2 Days	VJIT
2018-2019					
1	M.Suresh Babu	Virtualization and Cloud Computing	20 th to 25 th May 2019	6 Days	Vidya Jyothi Institute of Technology
2	M.Vijayashanthi	FDP on New Trends in Image and Video Processing Approaches for Forensic/Surveillance Applications	29 th to 3 rd May 2019	5 Days	Anurag Groups of Institution
3	D.Anuradha	Workshop on AI & Deep Learning	27 th to 28 th April 2019	2 Days	Vidya Jyothi Institute of Technology



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5.Patents

S.No.	Name of the Faculty	Topic	Obtained / Published / Filed	Product/Area Please mention area of the work
1	B.Eswar Babu	AdHoc Routing Protocol Validation and Verification Process Based on Begle Bone-X15 Black Bit	2021100773 Granted 07/04/2021	Networking
2	A.Devakishan	MTV- Framework for Traffic Classification and Taking Appropriate Actions on Vehicles Using IOT- Based Technology	202111008829 Published	Machine Learning
3	Dr.M.Nagabhushan a Rao	MCHO-Block Chain	23/09/2020 05/11/2020 2020102115(IP Australian Patents) Granted	Block Chain Technology
4	Dr.M.Nagabhushan a Rao	AML –Data Cleaning Automatic Data Cleaning Using Machine Learning	07/10/2020 25/01/2021 2020102190(IP Australian Patents)Granted	Machine Learning
5	Dr.M.Nagabhushan a Rao	Honey-Pots Security System	24/08/2020 25/09/2020 202011036309 (IPR INDIA- Published)	Cyber Security



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6	Dr.M.Nagabhushan a Rao	Intelligent Voice Based-Email	07/09/2020 25/09/2020 202041038460 (IPR- INDIA- Published)	Software Email
7	Dr.M.Nagabhushan a Rao	Adhoc Routing Protocol Validation & Verification Based in Beagle	19/01/2021 2021100773 (IP Australian Patents) Applied	Networks
8	Dr.M.Nagabhushan a Rao	Modern Education System	22/01/2021 202131007251 (IPR- INDIA- Applied)	Automation
9	Dr.M.Nagabhushan a Rao	Patients Monitoring system using machine learning.	23/01/2021 2021100985 (IP Australian Patents) Applied	Machine Learning
10	Dr.M.Nagabhushan a Rao	Non Recyclable packing convert in to a useful products.	23/01/2021 2021100983 (IP Australian Patents) Applied	Products
11	P.Lakshmi Sony	Intelligent Women Security using Street Light and Auto run Unmanned Aerial Vehicle Using IOT based Technology	Filed on 2 nd October 2020 202041042891 Published	IOT based Technology



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12	G.Indira Priyadarshini	RDAB-Health Notification:IOT based Health Notification and Real time Doctor Availability checking in Hospital Using Machine Learning	Filed on 24 th September 2020 202041041351 Published	IOT based Technology



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

A.The methods practiced in Teaching Learning Process:

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

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
2. Assignments are made available through Google doc
3. Seminar by students for specific topic are made available

The commonly practiced innovative teaching and learning methods are

- **Use of ICT**



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- Classrooms are provided with LCD projectors and Wi-Fi connection. Faculty uses ICTs as presentation tool, faculty encourages the students to make use of tools like videos, websites and presentations. This allows the learners to experiment and to 'learn by doing'.
- Use of '**Smart Classrooms**' which help to capture students' attention by integrating teaching methods with technology. The idea behind SMART classrooms is to engage students in a lesson by presenting material through intriguing visuals to chalkboard counterpart. Not only this, technology is user friendly and is designed to blend into the architecture so that it becomes a part of the classroom.
- Institute has the **E-learning** facility that helps teachers to provide opportunities for mutual discussion, access to online resources. Online Databases available in institution:

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

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

➤ INNOVATIVE TEACHING METHODS ADAPTED BY THE FACULTY



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S.No	Faculty Name	Course	Innovative methods adopted	Goals	Availability of Work in the institutional website	Availability of review and critique	Reproducibility and Reusability
1	M.Suresh Babu	Data warehousing and Data Mining	Think-Pair-Share	Active Learning	Yes	Yes	Yes
2	D.Anuradha	Database Management Systems	Case Based Learning	Collaborative Learning	Yes	Yes	Yes
3	T.Devi	Big Data Analytics	Case Based Learning	Collaborative Learning	Yes	Yes	Yes
4	B.Eswar Babu	Web Technologies	Project Based Learning	Real Time Learning	Yes	Yes	Yes
5	A. Devakishan	Design & Analysis of Algorithms	Role Play	Active Learning	Yes	Yes	Yes
6	Dr Siddhartha Ghosh	Software Engineering	Interactive Learning	Active Learning	Yes	Yes	Yes



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7	D.Anuradha	Database Management Systems	Role Play	Active Learning	Yes	Yes	Yes
8	J.Bramaramba	Computer Network	Role Play	Active Learning	Yes	Yes	Yes
9	Dr Siddhartha Ghosh	Software Engineering	Think-Pair-Share	Active Learning	Yes	Yes	Yes
10	M.Vijayashanthi	Programming for Problem Solving-I	Learning by Doing	Active Learning	Yes	Yes	Yes
11	T.Devi	Programming for Problem Solving-II	Project Based Learning	Real time Learning	Yes	Yes	Yes



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B. Availability of work on the Institute Website

All the Innovations adopted in the Teaching methodology is available at the Institute website <https://vjit.ac.in/it/> under resources tab.

← → ↺ 🏠

vjit.ac.in/it

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Departments 3

Information Technology "

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Roll of Honors

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Resources

Teaching & Learning

Faculty	Topic	Subject	Approach used
G.Indira Priyadarshini	Real Time Application	Mobile Application Development	Project Based Learning & Case Study
B.EswarBabu	Application Development	Python Programming	Project Based Learning& Case Study
T.Devi	Inter Process Communication	Linux Programming	Project Based Learning & Case Study



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D.Reproducibility and Reusability by other scholars for further development

Students have utilized Canvas, Moodle, Google Classroom as process of learning to improve their Technical and Professional Skills.

➤ CANVAS

S.No	Faculty Name	Course	Link
1	Dr.M.Nagabhushana Rao	Database Management Systems	https://canvas.instructure.com/enroll/T6GHM4
2	T.Devi	Formal Language and Automata Theory	https://canvas.instructure.com/enroll/ELG7L4
3	D.Anuradha	Operating Systems	https://canvas.instructure.com/enroll/8T9W64
4	T.Devi	Compiler Design	https://canvas.instructure.com/enroll/ELG7L4
5	Dr.M.Nagabhushana Rao	Python Programming	https://canvas.instructure.com/enroll/XLGXKM
6	B.Eswar	Python Programming	https://canvas.instructure.com/enroll/ADND4G



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7	A.Devakishan	Data Structures	https://canvas.instructure.com/enroll/67RPH7
8	Dr.M.N.Rao	Computer Organisation	https://canvas.instructure.com/enroll/Y76N4G
9	D.Anuradha	Design & Analysis of Algorithms	https://canvas.instructure.com/enroll/49XT8X



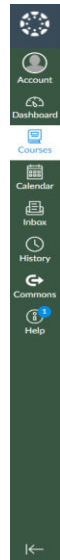
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Unit-I	✓	+	⋮
Notes.docx	✓		⋮
Introduction	✓		⋮
Pseudo code of an alg	✓		⋮
Performance analysis	✓		⋮
Time complexity	✓		⋮
Asymptotic notation	✓		⋮
Notations	✓		⋮
Divide & Conquer	✓		⋮
Binary search	✓		⋮
DAA Complete notes.pdf	✓		⋮
DAA_UNIT-1.docx	✓		⋮
Assignment-1 May 10 5 pts	✓		⋮
Quick sort	✓		⋮
Merge sort	✓		⋮
Find and Union	✓		⋮

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Unit-II	✓	+	...
Greedy Method	✓
knapsack problem	✓
Job Sequencing with deadline	✓
Minimum Cost Spanning Tree	✓
Single Source shortest Path	✓	...	...
Greedy method .pptx	✓	...	...
Revision	✓	...	...
daa g.pptx	✓	...	...
DAA_UNIT-2 Greddy Method.docx	✓

Unit-III	✓	+	...
Dynamic Programming	✓
0/1 knapsack	✓
0/1 Knapsack	✓
Dyanamic	✓

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The screenshot shows a Moodle course interface. On the left is a dark green sidebar with navigation icons for Account, Dashboard, Courses, Calendar, Inbox, History, Commons, and Help. The main content area displays a list of course items. The first section, '0/1 Knapsack', includes items like 'Dynamic', 'atrix chain multiplication', 'Dynamic Programming.pdf', 'Matrix chain multiplication.pdf', 'dynamicprogramming.pptx', and 'UNIT 3.pdf'. Below this is a section for 'unit-4' containing 'UNIT 4-2.pdf', 'UNIT 4-1.pdf', 'Back Tracking.pptx', and 'DAA chapter 7.pdf'. At the bottom is a section for 'Unit-V' with 'Unit 5 daa.pdf'. A small tooltip on the right says 'Activate Window: Go to Settings to activate'.

➤ MOODLE

S.No	Faculty Name	Course	Online course material	Online quiz	Moodle site
1	T.Devi	Big Data Analytics	Yes	Yes	https://bda2020.gnomio.com



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The screenshot shows the Bigdata course interface. The left sidebar contains a menu with options: Bigdata, Participants, Badges, Competencies, Grades, General, Introduction, week1, week2, Topic 4, Dashboard, Site home, Calendar, Private files, Content bank, My courses, and Site administration. The main content area displays the course structure under the heading 'Introduction'. It includes sections for 'Introduction', 'Quiz on basics', 'week1', and 'week2'. Each section has a 'Mark as done' button. The 'Introduction' section is marked as done. The 'Quiz on basics' section is marked as done. The 'week1' section has two assignments, 'Assignment-1' and 'Assignment2', both marked as done. The 'week2' section has a quiz, 'Quiz-1', marked as done. The user's name 'Devi Borra' is visible in the top right corner.

The screenshot shows the Bigdata course interface with the 'Participants' tab selected. The table lists the following participants:

First name / Surname	Email address	Roles	Groups	Last access to course	Status
17911A1237 Aarthi Myadam	aarthimyadam25@gmail.com	Student	No groups	Never	Active
17911A1251 Abhishek	tankasalaabhishek55@gmail.com	Student	No groups	Never	Active
17911A1201 Addi Sanjana	sanjanareddy0511@gmail.com	Student	No groups	Never	Active
17911A1202 Amundla sagar	amundlasagar333@gmail.com	Student	No groups	Never	Active
17911A1233 Anil reddy	mareddyaniireddy143@gmail.com	Student	No groups	Never	Active
17911A1203 Anumu Venkataramana	anumuvenkataramana933@gmail.com	Student	No groups	Never	Active
17911A1259 Aparna Yandapalli	ayandapalli45@gmail.com	Student	No groups	Never	Active
17911A1205 Beeram priya	priyareddy8840@gmail.com	Student	No groups	Never	Active
17911A1206 BEERUKA TARINI	tarinimudiraj@gmail.com	Student	No groups	Never	Active
Devi Borra	devi@vjit.ac.in	Teacher	No groups	43 secs	Active
17911A1230 Chikitha reddy	reddychikitha7799@gmail.com	Student	No groups	Never	Active
17911A1208 Deshineni Pranitha	pranitha.deshineni@gmail.com	Student	No groups	Never	Active
17911A1209 E S Sanjana	ekkaladevisanjana@gmail.com	Student	No groups	Never	Active
17911A1216 G.Manish Kumar	manishkumaryadav108@gmail.com	Student	No groups	Never	Active
17911A1212 GANJI NAGA SAI MAHITH	mahith.ganji@gmail.com	Student	No groups	Never	Active
17911A1213 Giddalapati Vaishnavi	giddalapativashnavi3005@gmail.com	Student	No groups	1 year 28 days	Active



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➤ GOOGLE CLASS ROOM

S.No	Faculty Name	Course	Link
1	T.Devi	Programming for Problem Solving	https://classroom.google.com/u/1/c/NDc4MTUyOTEyOTda



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← → C classroom.google.com/u/1/r/NDc4MTUyOTEyOTda/sort-last-name ☆ 6

PPS Mech-8 Stream Classwork **People** Grades

<input type="checkbox"/>	 Keesari Archith goud	⋮
<input type="checkbox"/>	 Rahulreddy Baikadi	⋮
<input type="checkbox"/>	 Vamshi Bhukya	⋮
<input type="checkbox"/>	 Saiprasad Reddy Bollaram	⋮
<input type="checkbox"/>	 Vamshi Borra	⋮
<input type="checkbox"/>	 Sushanth Bunga	⋮
<input type="checkbox"/>	 Yash Chaturvedi	⋮
<input type="checkbox"/>	 Shiva datha	⋮
<input type="checkbox"/>	 tupakula deeraj	⋮
<input type="checkbox"/>	 Kaushik G	⋮
<input type="checkbox"/>	 19-3A4 Ganesh	⋮
<input type="checkbox"/>	 A.SUNNY GOUD	⋮
<input type="checkbox"/>	 Mushtaq Hussain	⋮
<input type="checkbox"/>	 is9705748@gmail.com (invited)	⋮
<input type="checkbox"/>	 Vinay Joshi	⋮

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The screenshot displays the Canvas LMS interface for a class named "PPS Mech-B". The top navigation bar includes links for "Stream", "Classwork", "People", and "Grades". The class header shows the name "PPS Mech-B" and the class code "jhrpgk". Below the header, there are several sections: "Upcoming" (No work due soon), "Announce something to your class", "My class by devi tadikonda" (May 13, 2020) with a reference document "Data structures.docx", and "Add class comment". A recent assignment titled "My class by devi tadikonda posted a new assignment: Stack" is shown, due on May 17, 2020, at 11:59 PM. The assignment details include "Posted May 13, 2020 (Edited May 13, 2020)", "Answer all Questions", and a rubric with 1 criterion and 5 points. The assignment is titled "Assignment 2" and is a Google Form. The interface also shows a "Select theme" and "Upload photo" option in the top right corner.



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

- A Faculty scores maximum five points for participation
- Participation in 2 to 5 days Faculty development program: 3 Points
- Participation >5 days Faculty development program: 5 points

Name of Faculty	Max 5 per Faculty		
	2019-2020	2018-2019	2017-18
Dr.Siddhartha Ghosh	3	5	3
Dr.SRM Krishna	3	-	-
Dr.A.Obulesh	3	-	-
Dr.S.V.Naga Sreenivasu	-	3	3
G. Indira Priyadarshini	5	5	3
B .Eswar Babu	5	5	5
D. Anil	5	3	3
M..Vijaya Shanthi	5	5	5
T .Devi	5	5	5
A. Devakishan	5	5	3
K.Mallikarjuna Rao	3	3	3
M .Suresh Babu	5	5	5
D.Anuradha	5	5	5
J.Bramaramba	5	5	3
C.Rama Krishna	3	3	3
Sum	60	57	53



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RF = Number of Faculty required to comply with 20:1 Student-Faculty ratio as per 5.1	16	9	9
Assessment = $3 \times (\text{Sum}/0.5RF)$ (Marks limited to 15)	22.05	38.00	35.33

Average assessment over four years (Marks limited to 15) =15

5.8. Research and Development (75)

5.8.1. Academic Research (20)

A.Number of Quality Papers Published

Sl. No.	Academic Year	Number of Papers Published
1	2020 – 2021	7
2	2019 - 2020	17
3	2018 - 2019	14

Paper Published by Faculty (A.Y: 2020-2021)

Paper Published by Faculty (A.Y: 2020-2021)

S.No	Name of the Author	Title	Journal	Scopus/UGC	Volume	Page_NO	ISSN NO
1	Dr. M. Nagabhushana Rao	Prediction of Chronic Diseases at an Early Phase Using Machine Learning Approach	Turkish Journal of Physiotherapy and Rehabilitation	SCOPUS	Volume 32 Issue 3, 2021	769-777	2651-4451



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2	Dr.V.Venkata Krishna R.Dharma Reddy M.Vijaya Shanthi	Predicting Distribution of Fall armyworm Pest in India for Rice Crop using Climate features with Max Entropy Modelling	High Technology Letters	SCOPUS	Volume 26 Issue 10 , 2020	123-132	1006- 6748
3	Jai Shankar, B. Murugan, K. Obulesu A. Finney Daniel Shadrach, S.Anitha	MRI Image Segmentation Using Bat Optimization Algorithm with Fuzzy C Means (BOA-FCM) Clustering	Journal of Medical Imaging and Health Informatics	SCI	Volume 11, Number 3, March 2021,	661- 666(6)	2156- 7018
4	Padmalaya Nayak, Chintakindi Praneeth Reddy Devakishan Adla	Applications of Raspberry Pi and Arduino to Monitor Water Quality Using Fuzzy Logic	Advances in Intelligent Systems and Computing	SCOPUS	Volume 11, 25	135-144	2194- 5357
5	Nara Sreekanth, J SasiKiran , A ObulesuA. Mallikarjuna Reddy	Key Frame Extraction for Content Based Lecture Video Retrieval and Video Summarisation Framework	European Journal of Molecular & Clinical Medicine	SCOPUS	Volume 7, Issue 11, 2020,	496-507	2515- 8260
6	A. Obulesh et al.	Central Nervous System Tumour Classification Using Residual Neural Network	Purakala	UGC CARE JOURNAL	Volume 31 Issue 21 May 2020		0971- 2143
7	Devakishan Adla G. Venkata Rami Reddy Padmalaya Nayak G. Karuna	Deep learning-based computer aided diagnosis model for skin cancer detection and classification	Distributed and Parallel Databases	SCI	2021		



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Paper Published by Faculty (A.Y: 2019-2020)

S.No	Name of the Author	Title	Journal	Scopus/UGC	Volume	Page_NO	ISSN NO
1	B.Eshwar Babu A.Devakishan M. Suresh Babu	Dynamic Channel Allocation Using Integer Linear Programming in Cellular Networks	IEEE CONECCT 2019	SCOPUS	Feb 2020	32-37	978-1-7281-2472-8
2	J.Bramaramba B.Eshwar Babu T.Devi	Modern Network Security :Issues andChallenges	International Journal of Scientific Research in Engineering and Management	UGC	Volume 04 Issue 01, January 2020	1-5	2582-3930
3	Dr.S R M Krishna M. Suresh Babu	Optimal secured reliable routing paths identification in MANET through Intelligent Probability Statistic Model	Springer, LNEE series	SCOPUS	Jan-20	621	978-981-15-1465-4_2
4	Dr. Siddhartha Ghosh A.Padmaja YP Kumar	Applications of C in Data Analytics	Journal of Engineering Education Transformations	SCOPUS	Volume 33 January 2020	600-603	2394-1707
5	Dr. Siddhartha Ghosh A.Padmaja YP Kumar	Strengthening Industry Institute collaboration and its outcome	Journal of Engineering Education Transformations	SCOPUS	Volume 33 January 2020	595-599	2394-1707
6	Dr. Siddhartha Ghosh	Sales Analysis and Performance of super store using Qlik Geo Analytics	Advance in Computational Intelligence and Informatics.	UGC	XXVI, 2020	419	2367-3370



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7	Dr. Siddhartha Ghosh	Analysis Of Agricultural Data For Maximum Benefit of Farmer	The International journal of analytical and experimental modal analysis	UGC	Volume XI, Issue IX, September/2019	49-52	0886-9367
8	Dr.S R M Krishna Suresh Babu M Dr.K.V.Ranga Rao B.EswarBabu	Optimized SecuredMobile Ad-HocNetwork with CCM-OMFModel	The International journal of analytical and experimental modal analysis	UGC	Volume XI, Issue IX, Sep 2019	25-30	0886-9367
9	B.Eswar Babu A.Devakishan	Cooperative Channels Allocation in LTE-U Spectrum for 5G Cellular Network	The International journal of analytical and experimental modal analysis	UGC	Volume XI, Issue IX, Sep 2019	21-24	0886-9367
10	Suresh Babu M D.Anuradha	Privacy Preservation Data Mining Techniques in Data Sanitization using Firefly Algorithm	The International journal of analytical and experimental modal analysis	UGC	Volume XI, Issue IX, Sep 2019	174-187	0886-9367
11	M.Vijayashanthi J.Bramaramba	Local Binary Patterns and its variants–A Survey	The International journal of analytical and experimental modal analysis	UGC	Volume XI, Issue IX, Sep 2019	90-94	0886-9367
12	Fatima Begum,Azra Amreen, Ayesha Afreen,Dr. Siddhartha Ghosh	Application of Data Analysis in Health Care	The International journal of analytical and experimental modal analysis	UGC	Volume XI 01-09-2019	11 - 15	0886-9367
13	V. Sai Ganesh, Soma Ram Ganesh, Mir Faraazuddin Hamza, Dandu Sandeep, Siddhartha Ghosh	Wi-Fi Enabled IoT Based Smart Greenhouse	International Journal of Recent Technology and Engineering (IJRTE)	SCOPUS	Volume-8, Issue-2S11, Sep - 2019	3539-3543	2277-3878
14	Mir Faraazuddin Hamza, Soma Ram Ganesh, V. Sai Ganesh, Dandu Sandeep, Siddhartha Ghosh	Parking System For Smart Cities	International Journal of Recent technology and Engineering	SCOPUS	Volume-8, Issue-2S11, Sep - 2019	3535-3538	2277-3878



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15	Soma Ram Ganesh, V.Sai Ganesh, Mir Farazuddin Hamza, Ahmed Ahtesham , Siddhartha Ghosh	Automatic Parallel Car Parking System using Sensors and Adriano UNO	International Journal of Recent Technology and Engineering	SCOPUS	Volume-8 Issue-2S11, September 2019.	3531-3534	2277-3878
16	Siddhartha Ghosh, Kandula Neha	Social Media Analytics using Qlik Connectors	International Journal of Recent Technology and Engineering(IJRTE)	SCOPUS	Volume-8, Issue-2S11, September 2019	3527-3530	2277-3878
17	Siddhartha Ghosh, Kandula Neha YP Kumar	Data Wrangling using Python	International Journal of Recent Technology and Engineering(IJRTE)	SCOPUS	Volume-8, Issue-2S11, September 2019	3531-3534	2277-3878

Paper Published by Faculty (A.Y: 2018-19)

S.No	Name of the Author	Title	Journal	Scopus/UGC	Volume	Page_NO	ISSN NO
1	Dr.K.V.Ranga Rao,G.Ravi kumar,R.Kumaraiah,Sudipta Ghosh	Gas Leakage Alerting System	Journal of Mechanics of Continua and Mathematical Sciences	WEB OF SCIENCE	Vol.-14, No.2 April-2019	174-184	0973-8975
2	Kosalundar.Eethamakula , V.Sreedhar,Dr.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	WEB OF SCIENCE	Vol.-14, No.2 April-2019	39-57	0973-8975
3	Dr.K.V.Ranga Rao S.K. Sameerunnisa	Applied classification scheme for large data position category	Journal of International Pharmaceutical Research.	SCOPUS	VOL.46, NO.1 April-2019	42-47	1674-0440
4	Dr. Siddhartha Ghosh	Aviation Safety Analysis using Data Analytics	Journal of Applied Science and Computations	UGC	Volume VI, Issue 11, February 2019	871-877	1076 - 5131



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5	Dr. Siddhartha Ghosh	Self Learning& Placements	International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM)	UGC	Volume 54, Issue 1, 24th & 25th January 2019.	18-22	2320-6608
6	Dr. Siddhartha Ghosh	Use of Natural User Interface in E-Learning	International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM)	UGC	Volume 54, Issue 1, 24th & 25th January 2019.	13-17	2320-6608
7	Ch Ramesh Babu and Dr.K.V. Ranga Rao	Cooperative Coalitional Game Model for Channel Assignment among Cognitive Radio	Journal of Adv Research in Dynamical & Control Systems.	SCOPUS	Vol.10, No. 9 August-2018	195-211	1943-023X
8	Dr.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 ISSN	UGC	Vol 07: Issue 12 November-2018	1-6	2456-5083.
9	Dr. K. V. Ranga Rao, V. Shiva Narayana Reddy	E-Bidding Process System	Global Journal of Engineering Science and Researches	GOOGLE SCHOLAR	Online May-2019	100-104	2348-8034
10	Dr. K. V. Ranga Rao, V. Shiva Narayana Reddy	Webpage Previsitation Leveraging Humans's Natural Recall Process	Global Journal of Engineering Science and Researches	GOOGLE SCHOLAR	Online May-2019	124-126	2348-8034
11	Venkat Ritesh Ghanta, Dr.K.V. Ranga Rao, A. Ravikumar, . Kumaraiah	Detection and Decoding of ASK signals using An SDR receiver in COMPUSOFT	An international journal of Advanced Computing.	SCOPUS INDEXED	Vol 07: Issue 9 September-2018	2807-2813	2320-0790



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12	M.Vijayashanthi Krishna VVenkata Reddy	Survey on Recent Advanced in Content Based Image Retrieval Techniques	Journal of Innovation in Computer Science and Engineering	GOOGLE SCHOLAR	Volume- 7 Issue-2 June-2018	41-48	2278- 0947
13	Dr K.V Ranga Rao Mekala Geetha	A Disparate Position Approach for Label based Image Recovery	International Journal of Innovative Technology and Research	GOOGLE SCHOLAR	Volume- 6 Issue- 6 November- 2018	34-37	2320 – 5547
14	Dr Siddhartha Ghosh, Kandula Neha & Mrs Ballari Saha	Measuring Health Status at workplace	Global Journal of Engineering Science and Researches	GOOGLE SCHOLAR	Volume- 5 Issue-9 September- 2018	261-266	2348 – 8034

B .Number of Ph.D. awarded/guided during assessment Period - NIL

PhD. Registered and Pursuing

SI.No	Name of Faculty	University	Status
1	M.Vijayashanthi	JNTUH	RRM 1 Completed
2	A.Devakishan	JNTUH	RRM 1 Completed
3	M Suresh Babu	KLU	Review 2 Completed
4	D.Anuradha	KLU	Review 2 Completed
5	B.Eswar Babu	SATYABAMA University	Review 1 Completed
6	J.Bramaramba	SR University	Working on Literature Survey
7	P.Lakshmi Sony	SR University	Working on Literature Survey



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5.8.2. Sponsored Research (20)

A.Y:2019-20

Project Title	Duration	Funding Agency	Amount
Prerana	2019-2020	AICTE	8,49,000.00

A.Y:2018-19

Project Title	Duration	Funding Agency	Amount
NIL	NIL	NIL	NIL

A.Y:2017-18

Project Title	Duration	Funding Agency	Amount
Mobile Phone Hardening Principal Investigator: Dr.Siddhartha Ghosh	2 Years 2016-2018	RCI DRDO	10,00,000.00
Inspire Internship Program	2017-2018	DST	9,75,000.00



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5.8.3 Development activities (15)

A.Product Development

Sl No	Product Name	Objectives of the Product
1	Pumpkin Shooter Game	Angry Pumpkins will randomly pop up from graves in this best Halloween game and you have to quickly aim and burst those angry pumpkins to finish levels. The students can understand the Predictability, problem solving strategies.
2	Tic-Tac-To 2.0	This classical game contributes to the student's developmental growth in understanding of Predictability, reasoning, problem solving & Strategies.
3	AR Siksha	By Using the Augmented Reality, the student can observe 3D diagrams and can acquire the required Knowledge for better performance.
4	Patient Health Monitoring System	The software aim is to monitor the Patients Health and suggest the remedies.
5	College Enquiry Chat Bot	This chat bot is useful to the students to enquire about the queries regarding the academics.



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B. Research laboratories

The following are the research laboratories established with a concern to disseminate knowledge and to provide a facility, they are

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• 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
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
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 4th – 6th , July 2019.• National level Faculty Development Program (FDP) on "Virtualization and Cloud Computing" in association with NIT Warangal during 20th -25th May 2019



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C.Instructional materials

1. Lecture notes related to all subjects are readily available in the form of course files and are also uploaded along with PPT in the college website.
2. Lab manuals.
3. Development of course material for competitive exams.

The Department has developed the following Instructional Materials for Higher Education

S.NO	Examination	Name of Faculty
1	GATE	M Vijay Shanthi A Deva Kishan
2	PGCET	G Indira Priyadarshini T Devi B Eswar Babu

The Department has developed the following Instructional Materials for Academic Projects and Placements

Sl. No	Material Created	Purpose
1	Big Data	In House Training for Staff/Students



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2	Cloud Computing	Project development
3	Python	Project development
4	Android	Project development
5	Testing	Placement Assistance
6	C Programming	Placement Assistance
7	Java Programming	Placement Assistance

D.Working models.

S. No	Working Model
1	EDU-AR app
2	Smart duster
3	IOT based crop management system
4	Gesture Control Robotic Car
5	Smart Dumpster
6	ParkFi-The SSS Parking
7	Attendance using Face Recognition
8	Personal Diary



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- Charts/Monograms etc

Faculty Name	Subject	Charts
A.Devakishan	Data Structures	Red Black Trees
B.Eswar Babu	Python Programming	Modules and Packages
G.Indira Priyadarishini	Java Programming	Object Oriented Concepts
P.Laksmi Sony	Database Management Systems	ACID Properties
M.Suresh Babu	Computer Networks	OSI and TCP/IP Layers

5.8.4 Consultancy (from Industry) (20)

(Provide a list with Project Title, Funding Agency, Amount and Duration)

A.Y:2020-2021

Project Title	Duration	Funding Agency	Amount
NTA - NEET	1 Year	NTA - NEET	226530



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Tata Consultancy Services Ltd.	1 Year	TCSION	350,646
JEE	1 Year	JEE	23,900
NIELIT	1 Year	NIELIT	244000
NSEIT	1 Year	NSEIT	68260
Orlando, UP (IAF)	1 Year	Orlando, UP (IAF)	63490
Orlando, UP (ICG)	1 Year	Orlando, UP (ICG)	53080
TOTAL			10,29,906

A.Y:2019-20

Project Title	Duration	Funding Agency	Amount
Tata Consultancy Services Ltd.	1 Year	TCS ION	3,11,312
TSLPRBT-Supreethi(JNTUH)	1 Year	TSLPRBT	1,22,950
Total			4,34,262



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A.Y:2018-19

Project Title	Duration	Funding Agency	Amount
Tata Consultancy Services Ltd	1 Year	TCS ION	1,31,724
NSE IT Limited	1 Year	NSE IT Limited	28,175
SATVAT INFOSAL Pvt Limited	1 Year	SATVAT INFOSAL Pvt Limited	96,021
Total			2,55,920

A.Y:2017-18

Project Title	Duration	Funding Agency	Amount
IT Limited	6 Months	IT Limited	33,050
Tata Consultancy Services Ltd	1 Year	TCS ION	2,16,396
APTECH Ltd	1 Year	APTECH Ltd	81000
ICAR unit National Academy of AGRI	6 Months	ICAR unit National Academy of AGRI	1,94,300



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NSE IT	1 Year	NSE IT	56570
NIELIT	1 Year	NIELIT	106300
SATVAT	6 Months	SATVAT	26,250
ACER 2026	6 Months	ACER 2026	24,000
Total			7,35,166



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5.9. Faculty Performance Appraisal and Development System (FPADS) (10)

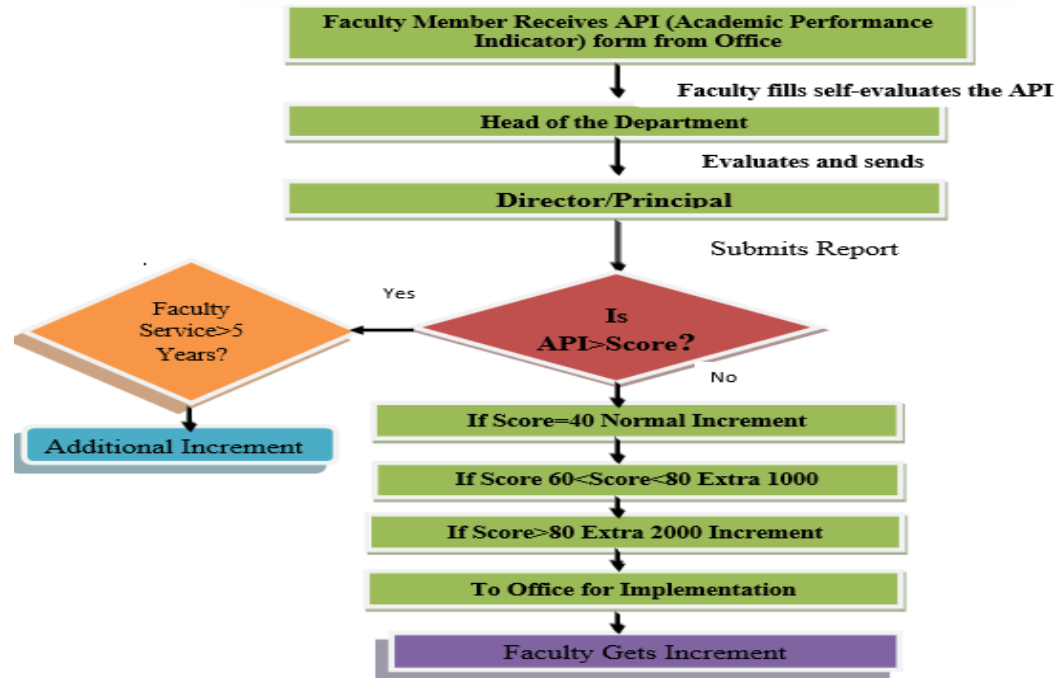


Fig: Faculty Performance Appraisal and Development System



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The performance of the faculty members is evaluated based on the following criteria:

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

- Faculty with five years of continuous service in the college, are eligible for one additional increment.
- 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 have 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.



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Below format is Given by the Institute

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				



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2.	2 nd Sem	Subject-1				
		Subject-2				
		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				



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Score based on Students feedback: >9%-15 8-9%-10 7-8% - 5

3. Interactive class room teaching approach (As per NBA):

API Score: Max 10

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)



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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)

- a. Participation & presentation (per presentation- 7.5)
b. For participation (per participation- 5)

7. **Examination duties assigned and performed (other then invigilation duty)**

S.NO	Type of examination duty assigned	Extent to which assigned work was carried	API Score(Max 5)
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		out	

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



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5.10 Visiting/Adjunct/Emeritus Faculty etc. (10)

Sl. No	Academic Year	Name & Organization
1	2020-21	1.Balaji Utla, CEO, Kria Health Care Pvt. Ltd. , Hyderabad 2.Hari Krishna Sagar, Director, Mythree Academy, Hyderabad
2	2019-20	1.Balaji Utla, CEO, Kria Health Care Pvt. Ltd. , Hyderabad 2.Hari Krishna Sagar, Director, Mythree Academy, Hyderabad
3	2018-19	1.Balaji Utla, CEO, Kria Health Care Pvt. Ltd. , Hyderabad 2.Hari Krishna Sagar, Director, Mythree Academy, Hyderabad

ADJUNCT FACULTY (AY-2020-21)

Sl. No	Faculty Name	Company Name	Subject	Year	Semester	No. of Hours taken
1	Balaji Utla, CEO	Kria Health Care Pvt. Ltd. , Hyderabad	Web Technology	III	II	29
2	Hari Krishna Sagar, Director	Mythree Academy, Hyderabad	Aptitude	II	II	28



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3	Hari Krishna Sagar, Director	Mythree Academy, Hyderabad	QMLR	III	I	26
4	Balaji Utla, CEO	Kria Health Care Pvt. Ltd. , Hyderabad	Python	II	I	29

ADJUNCT FACULTY (AY-2019-20)

Sl. No	Faculty Name	Company Name	Subject	Year	Semester	No. of Hours taken
1	Balaji Utla, CEO	Kria Health Care Pvt. Ltd. , Hyderabad	Web Technology	III	II	28
2	Hari Krishna Sagar, Director	Mythree Academy, Hyderabad	Aptitude	II	II	29
3	Hari Krishna Sagar, Director	Mythree Academy, Hyderabad	QMLR	III	I	31
4	Balaji Utla, CEO	Kria Health Care Pvt. Ltd. , Hyderabad	Data Structures	II	I	30



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3	Hari Krishna Sagar, Director	Mythree Academy, Hyderabad	QMLR	III	I	27
4	Balaji Utla, CEO	Kria Health Care Pvt. Ltd. , Hyderabad	Data Structures	II	I	29



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6 FACILITIES AND TECHNICAL SUPPORT (80)

6.1 Adequate and Well Equipped Laboratories and Technical Manpower (40)

SL. NO	LAB Number	Name of the laboratory	Number of Students Per set up (Batch size)	Name of the important Equipment	Weekly utilization status(all the courses for which the lab is utilized) Hrs	Technical Manpower Support		
						Name of the Technical Staff	Designation	Qualification
1	IT LAB-I (C 201)	Database Management Systems Lab & Mobile Application Development lab	33	Dell Vostro 3670 i3 8th Generation @ 3.6GHz, RAM: 8GB,, HDD-1TB	21	K Nagara ju	Programmer	B.Tech
2	IT LAB II (C 202)	Web Technologies Lab	30	Dell Vostro 3670 i3 8th Generation @ 3.6GHz, RAM: 8GB, , HDD-1TB	21	K Nagara ju	Programmer	B.Tech
3	IT LAB-III (C 207)	Java Programming & Big Data Analytics lab	30	Dell Vostro 3671 i3 9th Generation @ 3.6GHz, RAM: 8GB, , HDD-1TB.	21	K. Raju	Programmer	M. Sc (Computers)
4	IT LAB-IV (C208)	Data Mining & Case Tools lab	30	Dell Vostro 3671 i3 9th Generation @ 3.6GHz, RAM: 8GB, , HDD-1TB	21	K. Raju	Programmer	M. Sc (Computers)
5	IT LAB-V (S-202A)	Data Structures & Python programming lab	30	Lenovo desktop@Corei3/4gb/320gb,Acer 18.5"	21	V.Mallikarjun	Programmer	M.Tech
6	IT LAB-VI (S-202B)	Operating Systems & Computer Networks Lab	30	Lenovo desktop@Corei3/4gb/320gb,Acer 18.5"	21	CH. Naga Jyothi	Programmer	M.Tech



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7	IT LAB VII (N208)	Internet of Things lab	30	Intel(R) Core(TM)i3-4160@3.60GHz RAM:4GB HDD: 500GB.	21	V.Mallikarjun	Programmer	M.Tech
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6.2 Laboratories: Maintenance and Overall Ambiance (10)

Maintenance

S. No	Type of Maintenance	Description	Activities
1	Protective Maintenance	Regular monitoring, clean up and replacement of worn parts are done which helps in prevention of failures and ensuring in efficient working and long life of the systems and UPS	<ul style="list-style-type: none">Repair and replace the cables which are worn out.Maintenance
2	Routine Maintenance	This is done periodically for efficient lab maintenance.	<ul style="list-style-type: none">Computer Lab rules sheets are displayed.Firewall setup is provided.Antivirus software is installed.Hardware cleanup such as defragmentation etc.

- Check lists are maintained for efficient lab maintenance and are inspected frequently at departmental and Institutional level.

Overall Ambiance:

- All laboratories are well furnished and Equipped with ACs.
- 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.



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AC



CCTV



Fire Extinguishers



CCTV inside lab



Do's & Don'ts



MCB



Projector

6.3 Safety Measures in Laboratories (10)

S.No	Laboratory Name	Safety Measures
1	IT LAB-I IT LAB-II	<ul style="list-style-type: none"> ● Installed Fire Extinguishers ● First Aid Boxes are kept in the laboratory ● All power cables are insulated to prevent electric shock and power interruptions. ● All Laboratories are under CCTV surveillance. ● Anti Virus Software is Installed ● The Lab programmers are instructed to switch off MCB's before leaving
2	IT LAB-III IT LAB-IV	<ul style="list-style-type: none"> ● Installed Fire Extinguishers ● First Aid Boxes are kept in the laboratory ● All power cables are insulated to prevent electric shock and power interruptions. ● All Laboratories are under CCTV surveillance. ● Anti Virus Software is Installed ● The Lab programmers are instructed to switch off MCB's before leaving
3	IT LAB-V IT LAB-VI	<ul style="list-style-type: none"> ● Installed Fire Extinguishers ● First Aid Boxes are kept in the laboratory ● All power cables are insulated to prevent electric shock and power interruptions. ● All Laboratories are under CCTV surveillance. ● Anti Virus Software is Installed
4	IT LAB-VII	<ul style="list-style-type: none"> ● Installed Fire Extinguishers ● First Aid Boxes are kept in the laboratory ● All power cables are insulated to prevent electric shock and power interruptions. ● All Laboratories are under CCTV surveillance. ● Anti Virus Software is Installed



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6.4 Project Laboratories (20)

Project Laboratory

Laboratory Name	Equipments	No of Systems and Access	Software's	Technical Staff
IoT lab	Intel(R) Core(TM)i3-4160@3.60GHz RAM:4GB HDD: 500GB.	<ul style="list-style-type: none"> • 30 systems • Projector • Printer • Public address system 	Python JDK, MySQL, Dev c++, Eclipse, WEKA, ArgoUML Android	S.Preethi Reddy

Utilization:

- B.Tech. Mini & Major projects are carried out by the students in this lab
- Research scholars and Faculty members also make use of this laboratory
- Laboratory is opened to the students beyond college working hours

Domain Analysis of projects:

Best Projects (2019-2020):

Sl. No.	Project Title	Roll Number	Name	Relevance to POs & PSOs
1	Campus Zone – INTERACT	16911A1235	M.V.Roshan	PO1-PO12 PSO1, PSO 2
		16911A1257	V.ShivaKrishna	
		16911A1212	E.Shiva Kumar	
2	A Smart Emergency Alert System using Internet of Thing	16911A1242	N.RebeccaAiswarya	PO1-PO12 PSO1, PSO 2
		16911A1250	P.Mounika	
3	Detection and Classification of Rice Leaf Diseases Using Multiclass Deep Convolutional Neural Networks	16911A1219	G.Anuhya	PO1-PO12 PSO1, PSO 2
		16911A1224	K.Himaja	
		16911A1205	B.Divya	
4	College Enquiry Chat Bot	16911A1248	P.ShivaTeja	PO1-PO12 PSO1, PSO 2
		16911A1213	G.Siddharth	
		16911A1252	S.SaiSiddhartha	



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Best Projects (2018-2019):

Sl. No.	Project Title	Roll Number	Name	Relevance to POs & PSOs
1	Attendance using Face Recognition	15911A1227	K KAravind	PO1-PO12 PSO1, PSO 2
		15911A1249	N.Sai Prasad	
		15911A1258	VidhiAlpesh Kumar Shah	
2	Live Meeting	15911A1233	K.PrabhuSai	PO1-PO12 PSO1, PSO 2
3	Driver Drowsiness Monitoring System using Virtual Behaviour and Machine Learning	15911A1237	M.Vijay Chand	PO1-PO12 PSO1, PSO 2
		15911A1238	K.Manideep	
		15911A1250	S.Nikhilesh Kumar	

Best Projects (2017-2018):

Sl. No.	Project Title	Roll Number	Name	Relevance to POs & PSOs
1	Smart Home using IoT	14911A1208	B.Ramyasri	PO1-PO12 PSO1, PSO 2
2	A Credibility Analysis system for accessing Information on Twitter	14911A1204	A.AbhishekChowhan	PO1-PO12 PSO1, PSO 2
		14911A1212	D.Nikhil Reddy	
		14911A1241	R.Santosh	
3	Towards Detecting Compromised account Social Networks	14911A1211	B.K Keerthi	PO1-PO12 PSO1, PSO 2



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Student's utilization Laboratory:

Events	Academic Year 2020-21	Academic Year 2019-20	Academic Year 2018-19	Academic Year 2017-18
Online courses(CISCO, Hacker Rank, Rank Sheet Google Developers)	24	50	12	25
Hackathon	-	5	6	2
Papers Published	-	1	2	-
Coursera Certifications	2	118	-	-
CISCO-Programming Essentials in Python	-	55	22	-
CISCO-Programming Essentials in CPP	-	43	-	-
IIT Bombay Spoken Tutorials -Linux	-	43	-	-
IIT Bombay Spoken Tutorials -C & CPP	-	14	-	-
IIT Bombay Spoken Tutorials -JAVA	-	-	30	-
IIT Bombay Spoken Tutorials -PHP & MySQL	-	-	16	-
IIT Bombay Spoken Tutorials -Drupal	-	-	15	-

Title	Name of the journal	National/ International	Name of the Student
The New Era of Full Stack Development Introduction of Cloud and It's Impacts	International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 9 Issue 04, April-2020	International	Akshat Dalmia
		International	Abhishek Raj Chowdary

Mr. Karnekota Tharun Kumar bearing Roll No 19911A1234 started his own page in Github created 17 repositories.



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List of Students won in different events for the evaluated period

1. Academic Year 2019-20

Name of the Award/Recognition received	National/ International	Name of the Student
Winner -Advance Ethical Hacking	National	A Sai Nikhil
Winner -Advance Ethical Hacking	National	D Akshat

Academic Year 2018-19

Name of the Award/Recognition received	National/ International	Name of the Student
Runner -Tekhack, Anurag Group of Institutions	National	K Himaja
Outstanding Performer - IOT Challenge	National	K Himaja



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Title of the Paper Published	Name of the journal	National/ International	Name of the Student
PARKFI: An Innovative Smart Secure and Systematic Parking System using unique identification implemented through IOT	JASC JOURNAL, VOLUME VI ISSUE II, FEB-2019, ISSN NO: 1076-5131, Page No: 893-897 https://m.box.com/shared_item/https%3A%2F%2Fapp.box.com%2Fs%2Fr6m3vcijdfwgbjd1oycsuhzlv7ifgqh6	National	K Himaja
		National	P Mounika
		National	B Yugandhari
		National	N Rebacca
An Ubiquitous Smart Dumpster with User Interface Implemented using Sensors and Arduino UNO	JASC JOURNAL, VOLUME VI, ISSUE II, FEB-2019, ISSN NO: 1076-5131, Page No: 898-901 https://m.box.com/shared_item/https%3A%2F%2Fapp.box.com%2Fs%2Fvb2m7w94q5gepfx6pl6u3umig4bb9m7y	National	K Himaja
		National	P Mounika
		National	B Yugandhari
		National	N Rebacca

Academic Year 2017-18

Name of the Award/Recognition received	National/ International	Name of the Student
Star Performer in Reliant Vision	National	P Reethika
Star Performer in Reliant Vision	National	Alamder D



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Outstanding Coder in Suntek Corp - A Code Mastu Event	National	M Haritha
Outstanding Coder in Hackathon	National	Niharika Thakur
Outstanding Coder in iMake : IOT Makers Space, Task & Hysea	National	M Rajitha



7. CONTINUOUS IMPROVEMENT (75)

7.1. Actions taken based on the results of evaluation of each of the Cos, POs & PSOs (30)

Identify the areas of weaknesses in the program based on the analysis of evaluation of COs, POs & PSOs attainment levels. Measures identified and implemented to improve POs & PSOs attainment levels for the assessment year including curriculum intervention, pedagogical initiatives, support system improvements, etc. Actions to be written as per table in 3.3.2

Examples of analysis and proposed action Sample 1- Course outcomes for a laboratory course did not measure up, as some of the lab equipment did not have the capability to do the needful (e.g., single trace oscilloscopes available where dual trace would have been better, or, non-availability of some important support software etc.). Action taken-Equipment up-gradation was carried out (with details of up-gradation)

Sample 2- In a course on EM theory student performance has been consistently low with respect to some COs. Analysis of answer scripts and discussions with the students revealed that this could be attributed to a weaker course on vector calculus.

Action taken-revision of the course syllabus was carried out (instructor/text book changed too has been changed, when deemed appropriate).

Sample 3- 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 – CAYm1 only

POs Attainment Levels and Actions for improvement – (2017-21)

POs	Target Level	Attainment Level	Observations
PO1: Engineering Knowledge			
PO1	2.26	2.52	The Attainment Level is reached
Actions: <ol style="list-style-type: none"> 1. Foundation of science and mathematics, which the students’ study during their first-year course however faculty will put additional effort in teaching the fundamental concepts of the subjects 2. Students will be asked viva questions relating to the basic concepts to refresh their fundamentals in laboratory sessions. 			
PO2: Problem Analysis			
PO2	2.26	2.39	The Attainment Level is



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			reached
Actions: <ol style="list-style-type: none"> 1. Industry visits will be arranged for the students addressing the core areas of the program so as to enhance their knowledge through practical observation 2. Conduct Expert lectures, Seminars and Guest lecture to help students in identifying & analyzing the real time problems. 			
PO3: Design/development of solutions			
PO3	2.26	2.37	The Attainment Level is reached
Actions: <ol style="list-style-type: none"> 1. Students are encouraged and motivated to take up project works that include and pertain to public health and safety, and the cultural, societal, and environmental considerations. 2. Students were encouraged to participate in external inter college technical competitions, coding contests and hackathons. 			
PO4: Conduct investigations of complex problems			
PO4	2.26	2.26	The Attainment Level reached to the Target Level
Actions: <ol style="list-style-type: none"> 1. Encouraging students for preparation of more case study for the relevant topic 2. Motivating and guiding the students to solve real world problems. 3. Co-curricular activities are scheduled in the area of information security, cyber security, AI & ML 4. In the laboratory classes, students will need to collect data and then analyze, interpret and draw valid conclusion 			
PO5: Modern tool usage			
PO5	2.26	2.22	The Attainment Level is closer to the Target Level
Gap Identified: The attainment level of the course Advanced Communication is identified as low and the following plan of action is taken on the same Actions: <ol style="list-style-type: none"> 1. A certification program is planned to conduct. 2. Conducting Seminars for proving awareness on latest tools 3. Assignments designed based on modern software tools will be given to students. 4. Workshops using advanced technologies 			
PO6: The engineer and society			
PO6	2.12	2.00	The Attainment Level is not reached



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Observation: The students are found to be less active as far as social activities were concerned; also, they were unaware about the basic health and safety issues with engineering point of view.

Actions:

1. Encouraging students in developing community projects.
2. To understand the safety concerns and social aspects, students visited industry to expand their practical knowledge with the effect of improved practices in engineering.
3. Awareness programs on road safety, yoga etc. has been organized in college.

PO7: Environment and sustainability

PO7	2.12	1.88	The Attainment Level is not reached
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Gap Identified: The attainment level of the course “Cloud Computing” is identified as low and the following plan of action is taken on the same

Actions:

1. A workshop on “Cloud Computing” is planned to conduct.
2. Students are encouraged to indulge in mini projects/projects where societal and environmental issues can be addressed.
3. Courses, that deal with environmental and sustainability issues, have been introduced with the aim of understanding the impact of professional engineering solutions in societal and environmental contexts and understanding the need for bringing about sustainability in overall development
4. Best Practices like Rain water harvesting, Sewage treatment plants, proper waste management procedure is employed at our college.

PO8: Ethics

PO8	2.12	1.88	The Attainment Level is not reached
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Gap Identified: The attainment level of the course “Big Data analytics” is identified as low and the following plan of action is taken on the same

Actions:

1. A workshop on “Big data analytic” is planned to conduct.
2. Projects/ mini projects will be scrutinized, code reviews will be conducted, plagiarism check will be done to determine the originality of the project to ensure professional ethics.
3. Interactive sessions with distinguished alumni to be arranged to inculcate ethics and values in the students.

PO9: Individual and team work

PO9	2.26	2.20	The Attainment Level is closer to the Target Level
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Actions:

1. Planned to conduct an internal hackathon in the institute level also motivating



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<p>students to participate in SIH.</p> <ol style="list-style-type: none"> Students were encouraged to participate in external inter college technical competitions, coding contests and hackathons. Department encourages formation of student clubs, participation in technical events/Business ideas/ app development. 			
PO10: Communication			
PO10	2.12	2.16	The Attainment Level is reached
Actions: <ol style="list-style-type: none"> Target will be retained and will be observed for next academic year Soft skills training was imparted to the students to enhance communication through group discussions and presentations. Project and seminar presentations assisted the students to communicate effectively and efficiently. To enhance the employability skills of the students, training programs will be conducted on the topics: how to face the interview, career development, higher studies, entrepreneurship development. 			
PO11: Project management and finance			
PO11	2.26	2.18	The Attainment Level is closer to the Target Level
Actions: <ol style="list-style-type: none"> Mini projects which is part of the curriculum has helped the students to perform better in placement interviews and higher studies Involving students in in-house projects Encouraging students to become entrepreneurs with the help of EDP cell Students are encouraging to prepare project proposals with the guidance of faculty for government funding agencies 			
PO12: Life-long learning			
PO12	2.12	2.20	The Attainment Level is reached
Actions: <ol style="list-style-type: none"> Students will be motivated to register for GRE/TOEFL/GATE and other competitive examinations. 			

PSOs Attainment Levels and Actions for improvement – (2017-21)

PSOs	Target Level	Attainment Level	Observations
PSO1: Use mathematical abstractions and algorithmic design along with programming tools to solve complexities involved in efficient			



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Programming.			
PSO1	2.26	2.23	The attainment level very near to target
Gap Identified: The attainment level for the course “Financial Institution and market” is identified as low and The following plan of action is taken Actions: 1: One day workshop on entrepreneur journey is planned and the same I conducted by Mr. Sri Charan, CEO, StuMagz . 2: More emphasis was given on algorithms in solving complex problems.			
PSO2: To provide software skills and documentation ability for graduates to become employable/ Higher studies/ Entrepreneur/Researcher.			
PSO2	2.26	1.93	The attainment level is near to the Target Level
Actions: 1. More emphasis on industry-oriented workshops to improve Documentation and Coding skills 2. Students will be giving guidance on Higher Studies 3. Conducting Guest Lecture/ Seminars on Research and Entrepreneurship			

POs Attainment Levels and Actions for improvement – (2016-20)

POs	Target Level	Attainment Level	Observations
PO1: Engineering Knowledge			
PO1	2.25	2.52	The Attainment Level is reached
The Attainment level can be further improved by: 1. Students solving the assignments and case studies. 2. Students were encouraged to participate various workshops and seminars. 3. Practical approach of teaching programming was adopted to help students to understand the basics of programming.			
PO2: Problem Analysis			
PO2	2.25	2.37	The Attainment Level is reached
The Attainment level can be further improved by: 1. Solving more problems during class. 2. Adopting active learning methodologies. 3. Involving students in solving the real-world problems. 4. Motivating students for online certification courses.			



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PO3: Design/development of solutions			
PO3	2.25	2.36	The Attainment Level is reached
<p>The Attainment level can be further improved by:</p> <ol style="list-style-type: none"> 1. Organized industry-oriented workshops. 2. Students are involved in in-house projects. 3. Students were encouraged to participate in external inter college technical competitions, coding contests and hackathons. 			
PO4: Conduct investigations of complex problems			
PO4	2.25	2.23	The Attainment Level is closer to the Target Level
<p>Action:</p> <ol style="list-style-type: none"> 1. Motivating and guiding the students to solve real world problems. 2. Encourage students for industry internships. 3. National/ international conferences are scheduled to promote research culture among students. 4. Students were informed to refer IEEE journal papers / Scopus to enhance their research knowledge, analysis and interpretation of data. 			
PO5: Modern tool usage			
PO5	2.25	2.17	The Attainment Level is closer to the Target Level
<p>Action:</p> <ol style="list-style-type: none"> 1. Organize Seminars for proving awareness on latest tools. 2. Students will be motivated to register for webinars/seminars regarding modern tool usage. 3. Adopting active learning methodologies. 4. Organize Workshops using advanced technologies. 			
PO6: The engineer and society			
PO6	2.10	1.98	The Attainment Level is not reached
<p>Action:</p> <ol style="list-style-type: none"> 1. Encouraging students in developing community projects. 2. Organize various guest lecturers to create awareness to create awareness on Engineering and Society. 3. Students will be encouraged to carry out inter domain projects so that they would realize the importance of a project involving society, safety, health, and the legalities. 			



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PO7: Environment and sustainability			
PO7	2.10	1.83	The Attainment Level is not reached
Action: <ol style="list-style-type: none"> 1. Students will be motivated to take up multidisciplinary projects. 2. Best Practices like Rain water harvesting, proper waste management procedure is employed at our college to create awareness among students. 3. Students will be motivated to develop environment sustainable Products. 4. Best practices like social media are used for intra department communication to eliminate the need of papers. 			
PO8: Ethics			
PO8	2.10	1.86	The Attainment Level is not reached
Action: <ol style="list-style-type: none"> 1. Organize guest Lectures on personality development & life skills. 2. Organize workshops under HEARTFULLNESS organization. 3. Students will be encouraged to participate in many social service activities like street cause to enhance their social ethics. 4. Organize workshops related to Ethical hacking/Data Security. 5. Organize Awareness programs on software piracy. 			
PO9: Individual and team work			
PO9	2.25	2.14	The Attainment Level is closer to the Target Level
Action: <ol style="list-style-type: none"> 1. More focus on mini and major projects. 2. Students will be giving chance to work as a team in different college and department level activities. 3. Organize activities under professional bodies & department clubs. 4. Students will be encouraged to participate in external inter college technical competitions, coding contests and hackathons. 5. Department will encourage students for formation of student clubs, participation in technical events/Business ideas/ app development. 			
PO10: Communication			
PO10	2.10	2.12	The Attainment Level is reached
The Attainment level can be further improved by: <ol style="list-style-type: none"> 1. Students will be encouraged to participate in certification course like BEC (Business English Certificate: Course offered by Cambridge English). 2. To enhance the employability skills of the students, training programmes will be conducted on the topics: how to face the interview, career development, higher 			



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DEPARTMENT OF INFORMATION TECHNOLOGY

<p>studies, and entrepreneurship development.</p> <p>3. Motivating Students to participate in student forums like SPEED: RSF/ISF & GSF.</p> <p>4. 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			
PO11	2.25	2.08	The Attainment Level is closer to the Target Level
<p>Action:</p> <ol style="list-style-type: none"> 1. Involving students in in-house projects. 2. Encouraging students to become entrepreneurs with the help of EDP cell. 3. Students will be encouraged to prepare project proposals with the guidance of faculty for government funding agencies. 			
PO12: Life-long learning			
PO12	2.10	2.18	The Attainment Level is reached
<p>The Attainment level can be further improved by:</p> <ol style="list-style-type: none"> 1. Students are encouraged to participate in technical clubs and professional chapters. 2. Creating awareness of self-learning. 3. Students will be motivated to register for GRE/TOEFL/GATE and other competitive examinations. 4. Students are motivated to publish research papers to enhance the knowledge in their area of specialization and intern it provided a path way to life- long learning. 			

PSOs Attainment Levels and Actions for improvement – (2016-20)

PSOs	Target Level	Attainment Level	Observations
PSO1: Use mathematical abstractions and algorithmic design along with programming tools to solve complexities involved in efficient Programming.			
PSO1	2.25	2.27	The attainment level is reached
<p>Action:</p> <ol style="list-style-type: none"> 1. Conducting more workshops on latest technologies using modern tools. 2. More emphasis was given on algorithms in solving complex problems. 			
PSO2: To provide software skills and documentation ability for graduates to become employable/ Higher studies/ Entrepreneur/Researcher.			
PSO2	2.25	2.09	The attainment level is near to the Target Level



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Action:

1. more emphasis on industry-oriented workshops to improve Documentation and Coding skills
2. Students will be giving guidance on Higher Studies
3. Conducting Guest Lecture/ Seminars on Research and Entrepreneurship

POs Attainment Levels and Actions for improvement – (2015-19)

POs	Target Level	Attainment Level	Observations
PO1: Engineering Knowledge			
PO1	2.2	2.48	The Attainment Level is reached
Actions: Action 1: Trained to gain knowledge in Engineering fundamentals by conducting Bridge course			
PO2: Problem Analysis			
PO2	2.2	2.35	The Attainment Level is reached
Actions: Action 1: Encouraged to develop their attitude in problem solving ability through tutorial classes Action 2: Advised to practice a greater number of complex problems by home assignments			
PO3: Design/development of solutions			
PO3	2.2	2.32	The Attainment Level is reached
Actions: Action 1 : Students are encouraged and motivated to take up project works that include and pertain to publichealth and safety, and the cultural, societal, and environmental considerations. Action 3: Students were encouraged to participate in external inter college technical competitions, coding contests and hackathons.			
PO4: Conduct investigations of complex problems			
PO4	2.2	2.17	The Attainment Level is closer to the Target Level
Actions: Action 1: The attainment level can be increased by motivating the students to attend seminars, workshop,symposium, conferences and to do projects in latest research areas			
PO5: Modern tool usage			



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PO5	2.2	2.15	The Attainment Level is closer to the Target Level
Observation: It is noted that use of modern software tools and other such facilities is very limited amongst the students. Actions: Action 1: The higher attainment level can be achieved by developing the mini and major projects using various tools like Python- PyCharm, Anaconda Navigator			
PO6: The engineer and society			
PO6	2.2	1.94	The Attainment Level is not reached
Actions: Action 1: Awareness programs on road safety, yoga etc. has been organized in college Action 2: To understand the safety concerns and social aspects, students visited industry to expand their practical knowledge with the effect of improved practices in engineering.			
PO7: Environment and sustainability			
PO7	2.2	1.82	The Attainment Level is not reached
Actions: Action 1: Best Practices like Rain water harvesting, Sewage treatment plants, proper waste management procedure is employed at our college.			
PO8: Ethics			
PO8	2.2	1.85	The Attainment Level is not reached
Actions: Action 1: Projects/ mini projects will be scrutinized, code reviews will be conducted, plagiarism check will be done to determine the originality of the project to ensure professional ethics. Action 2: Interactive sessions with distinguished alumni to be arranged to inculcate ethics and values in the students.			
PO9: Individual and team work			
PO9	2.2	2.15	The Attainment Level is closer to the Target Level
Actions: Action 1: Students were encouraged to participate in external inter college technical competitions, coding contests and hackathons. Action 2: Department encourages formation of student clubs, participation in technical events/Business ideas/ app development.			
PO10: Communication			
PO10	2.2	2.08	The Attainment Level is reached



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Actions:

Action 1: Soft skills training was imparted to the students to enhance communication through group discussions and presentations.

Action 2: Project and seminar presentations assisted the students to communicate effectively and efficiently.

PO11: Project management and finance

PO11	2.2	2.15	The Attainment Level is closer to the Target Level
------	-----	------	--

Action 1: Involving students in in-house projects

Action 2: Encouraging students to become entrepreneurs with the help of EDP cell

Action 3: Students are encouraging to prepare project proposals with the guidance of faculty for government funding agencies

PO12: Life-long learning

PO12	2.2	2.17	The Attainment Level is reached
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Action 1: Students will be motivated to register for GRE/TOEFL/GATE and other competitive examinations.

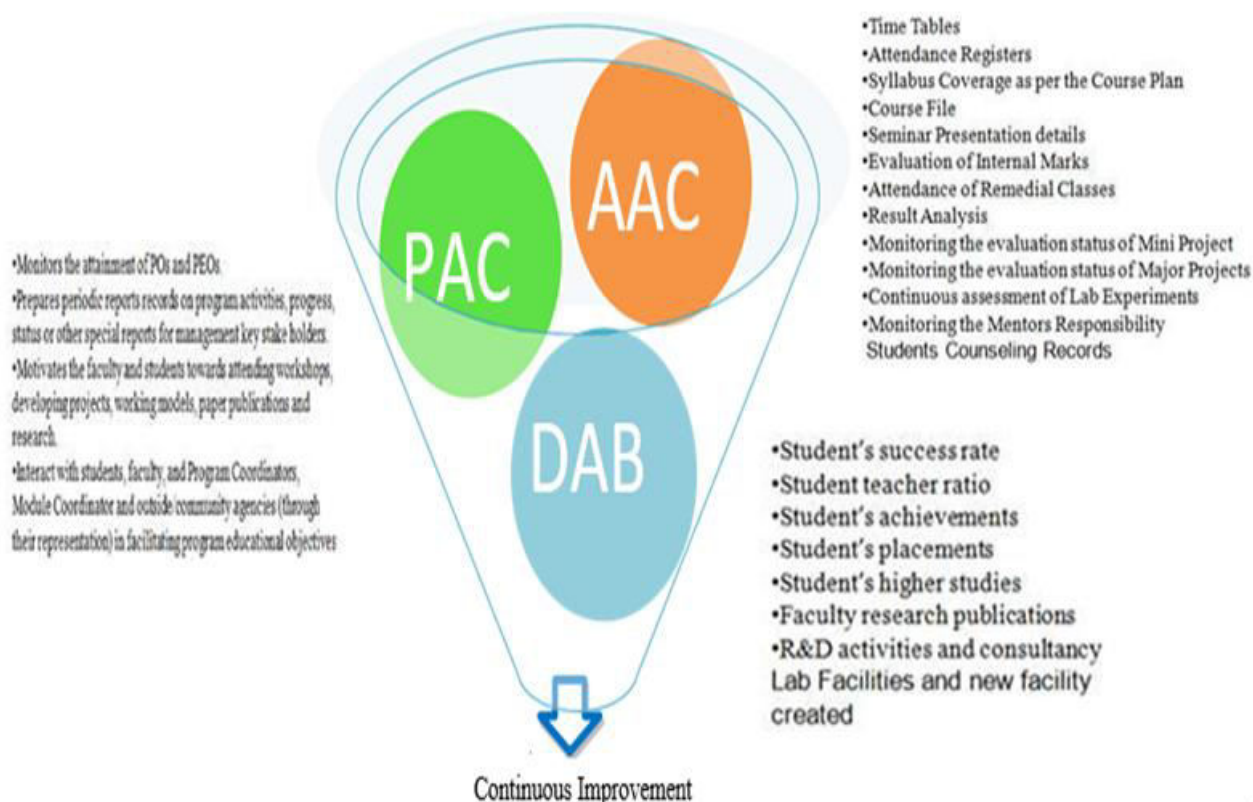
PSOs Attainment Levels and Actions for improvement – (2015-19)

PSOs	Target Level	Attainment Level	Observations
PSO1: Use mathematical abstractions and algorithmic design along with programming tools to solve complexities involved in efficient Programming.			
PSO1	2.2	2.69	The attainment level is reached
Actions:			
Action 1: Conducting more workshops on latest technologies using modern tools.			
Action 2: More emphasis was given on algorithms in solving complex problems.			
PSO2: To provide software skills and documentation ability for graduates to become employable/ Higher studies/ Entrepreneur/Researcher.			
PSO2	2.2	2.0	The attainment level is near to the Target Level
Gap Identified:			
The attainment level for the course Human Values and Self Development is identified as low and the following plan of action is taken			
Action1: A Seminar on Professional development is planned and the same is conducted by Mr.Zuber Mohammad			
Action 2: Students will be giving guidance on Higher Studies			
Action 3: Conducting Guest Lecture/ Seminars on Research and Entrepreneurship			



7.2.Academic 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 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.





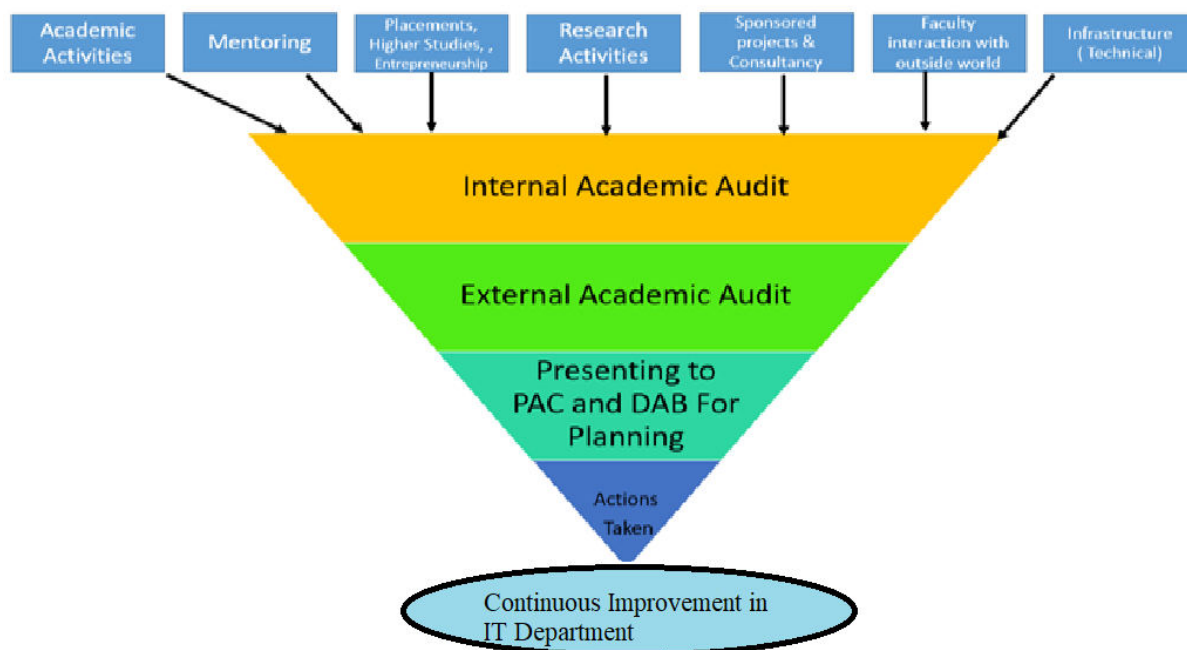
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The following documents are made available during department Academic Audit.

- Time Tables
- Attendance Registers
- Syllabus Coverage as per the Course Plan
- Course File
- Seminar Presentation details
- Evaluation of Internal Marks
- Attendance of Remedial Classes
- Result Analysis
- Monitoring the evaluation process of Mini Project
- Monitoring the evaluation process of Major Projects
- Continuous assessment of Lab Experiments
- Monitoring the Mentors Responsibility
- Students Counseling Records

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



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DEPARTMENT OF INFORMATION TECHNOLOGY

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Department of Information Technology

Course File Inspection Proforma for Theory

Name of the Audit Faculty:

Dept. of Faculty:

Name of the Course:

Academic Year:

Department for which course is offered:

Year: Sec: A / B / C

S.	Parameter	Remarks
1.	Student Roll list	
2.	Schedule of Classes (Time Table)	
3.	Syllabus	
4.	Course Objectives & outcomes (As per Blooms Taxonomy	
5.	CO – PO Mapping (Justification if Required)	
6.	Teaching Schedule	
7.	Academic Calendar	
8.	Course Handout	
9.	Assignment Questions (According to OBE/Blooms Taxonomy	
10.	MID Question papers 1 & 2 with key	
11.	Previous Question Papers	
12.	Sample Copies (Best/Average/Worst) of Assignment	
13.	Sample Copies (Best/Average/Worst) of Midterm Exams	
14.	Assessment Sheet – CO wise (Direct Attainment)	
15.	Course end Survey form	
16.	Calculation of Indirect attainment	
17.	Topics covered under Content beyond Syllabus (Gap Analysis)	
18.	Innovations in Teachings	
19.	Course Closure Report	

Any other Suggestions:

Signature of Faculty
Chair

Signature of Academic Audit Committee

Date:



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DEPARTMENT OF INFORMATION TECHNOLOGY

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

Department of Information Technology

Course File Inspection Proforma for LAB

Name of the Faculty:

Dept. of Faculty:

Name of the Course:

Academic Year:

Department for which course is offered:

Year: Sec: A / B / C

S.	Parameter	Remarks
1.	Student Roll list	
2.	Schedule of Classes (Time Table)	
3.	Syllabus (List of Experiments)	
4.	Course Objectives& outcomes (As per Blooms Taxonomy	
5.	CO – PO Mapping (Justification if Required)	
6.	Lab Course handout	
7.	Teaching Schedule (As per Lab Experiment Conducted)	
8.	Lab Assessment Sheet (Booklet)	
9.	Lab Assessment Rubrics	
10.	Lab Manual	
11.	Sample Observation Books (Best/Average/Worst)	
12.	Sample Lab Records (Best/Average/Worst)	
13.	Assessment Matrix – CO wise (Direct Attainment)	
14.	Course end Survey form	
15.	Calculation of Indirect attainment	
16.	Topics covered under Content beyond Syllabus (Gap Analysis)	
17.	Innovations in Teachings	
18.	Course Closure Report (Experiment Wise)	

Signature of Faculty
Chair

Signature of Academic Audit Committee

Date:

The functioning of the department is properly reviewed by

- Department advisory board (DAB)
- Academic Review Committee

Internal Quality Assurance committee 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.



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The process of Academic audit intends to monitor and enhance the quality of technical education through proper guidelines for both teaching faculty and students keeping in view Outcome Based Education.

These are the parameters to be evaluated at the time of academic review committee for continuous improvement:

- Student Mentoring
- Student Projects
- Result Analysis
- Laboratory activities and Maintenance
- Teaching and Learning Process
- Improvements in the Faculty Research Publications
- Placements
- Higher Studies
- Alumni
- Research and Development
- Curricular Improvements

DAB reviews the academic audit cell report and after its recommendations, it is sent to Academic Review Committee for finalization.

Internal Audit:

- Faculty Publications are good but should improve in students' publications.
- Research project from different agencies need to be obtained.
- Professional bodies to be strengthened.
- Placements are good and need to be improved further.
- Alumni interaction is good and need to be strengthened.
- Training for higher studies to be improved
- Mentoring is to be done rigorousl

Action Taken There of: The above changes will be updated and submitted for further approval.

External Audit:

- The placements to be focused on elite corporate companies jobs.
- Alumni connections and collaboration to be augmented.
- Need Initiation of acquiring research projects from different agencies.
- Reinforce the activities under all the professional bodies
- Counseling and Training towards higher studies to be enriched
- Mentoring is to be improved



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- National and International publications by faculty are good and also encourage on student publications

Action Taken There of: The above changes will be incorporated and major action plans will be submitted to PAC and DAB for further approval.

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EXTERNAL ACADEMIC AUDIT (2019 - 20)																							
Date of Academic Audit : 16/10/2020																							
1.	Name of the Department																						
2.	Year of Establishment																						
3.	Names of Programmes offered (Mention with Intake)																						
4.	<div> <div>A) Number of Teachers</div> <table border="1"> <thead> <tr> <th>Designation</th> <th>Existing</th> </tr> </thead> <tbody> <tr> <td>Professor</td> <td>2</td> </tr> <tr> <td>Associate Professors</td> <td>7</td> </tr> <tr> <td>Asst. Professors</td> <td>8</td> </tr> <tr> <td>Others</td> <td></td> </tr> </tbody> </table> <div>B) Teaching Experience of the Faculty in the Institute</div> <table border="1"> <thead> <tr> <th>Tenure</th> <th>No. of Teachers</th> </tr> </thead> <tbody> <tr> <td>More than 5 Years</td> <td>10</td> </tr> <tr> <td>More than 3 Years</td> <td>3</td> </tr> <tr> <td>Between 2 to 3 Years</td> <td>3</td> </tr> <tr> <td>Between 1 to 2 Tears</td> <td>1</td> </tr> <tr> <td>Below 1 Year</td> <td></td> </tr> </tbody> </table> </div>	Designation	Existing	Professor	2	Associate Professors	7	Asst. Professors	8	Others		Tenure	No. of Teachers	More than 5 Years	10	More than 3 Years	3	Between 2 to 3 Years	3	Between 1 to 2 Tears	1	Below 1 Year	
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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: 1 b). Number of Faculty Development Grants: NIL c). Research Grants received: NIL d). Faculty Development Grants received: NIL																																			
	<table border="1"> <thead> <tr> <th>Name of funding agencies</th> <th>Category of the funding Agency (GOVT/Non GOVT funding agencies/ individuals)</th> <th>Name of the Faculty</th> <th>Purpose of the Grant Research/ FDP/ STTP/ Workshop</th> <th>Funds/Grants received (INR in lakhs)</th> <th>Collaboration (National / Inter National)</th> </tr> </thead> <tbody> <tr> <td>RCI DRDO</td> <td>Govt</td> <td>Dr. Siddantha Gosh</td> <td>Research</td> <td>10,00,000</td> <td>National</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>						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)	RCI DRDO	Govt	Dr. Siddantha Gosh	Research	10,00,000	National																		
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7.	Special research laboratories sponsored by / created by industry or corporate bodies			NIL																																
8.	Publications (List is to be attached)																																			
	Number of Papers published in Journals					18																														
	Number of Papers published in Book Chapters/Conferences					0																														
	Number of Books with ISBN					-																														
	Average Citation Index					NIL																														
	Average Impact Factor					6.3																														
	h-index					-																														

9.	Details of patents			
	Name of the Faculty	Topic	Obtained / Published / Filed	Product
	Dr. M. Nagabhushana Rao	Honey - POTS Security System	24/08/2020 25/07/2020 20201103639 IPR - INDIA	Cyber Security

10.	Areas of consultancy and income generated	
	Areas of consultancy	Income generated
	Supreethi, TCS Online	122450 + 243908 + 23500
	TCS Online	15000 + 14904
		Total 434262

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

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
	A. Naga Hanika Chowdary	IELTS
	B. Kalyan Reddy	GRE, IELTS
	L. Ram Kumar	IELTS
	V. V. V. V. V.	IELTS



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13.	Faculty recharging strategies (Orientation programs, workshops, training programs and similar programs)**		
	1. FDPs attended by the faculty (i) National: 52 (ii) International: -		
	2. Conferences attended (i) National: 05 (ii) International: 04		
	3. Workshops attended (i) National: 04 (ii) International: -		
	4. Short Term Training attended (i) National: 02 (ii) International: -		
	**Attach a separate sheet for details		
14.	Student projects		
	Percentage of students who have done in-house projects including inter-departmental projects	45%	
	Percentage of students doing projects in collaboration with other universities/industry/institute	55%	
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
	NIL		
16.	Faculty Guiding Research		
	Faculty Guiding Research	Registered This Year	Active
	From the host institution / university	-	
	From other institutions / universities	-	

17.	Infrastructure And Laboratory Details:															
	Number of Class Rooms With ICT Facilities	5														
	Number of Class Rooms Without ICT Facilities	-														
	Number of Tutorial Rooms	-														
	Number of Student Laboratories With Names and Stock Verification	6														
	<table border="1"> <thead> <tr> <th>Room No</th> <th>Name of the Lab</th> </tr> </thead> <tbody> <tr> <td>C-201</td> <td>IT LAB 1</td> </tr> <tr> <td>C-202</td> <td>IT LAB 2</td> </tr> <tr> <td>C-203</td> <td>IT LAB 3</td> </tr> <tr> <td>C-204</td> <td>IT LAB 4</td> </tr> <tr> <td>S-202A</td> <td>IT LAB 5</td> </tr> <tr> <td>S-202B</td> <td>IT LAB 6</td> </tr> </tbody> </table>		Room No	Name of the Lab	C-201	IT LAB 1	C-202	IT LAB 2	C-203	IT LAB 3	C-204	IT LAB 4	S-202A	IT LAB 5	S-202B	IT LAB 6
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S-202B	IT LAB 6															
18.	Number of Research Laboratories															
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2.																
3.																
4.																
5.																
	Number of Softwares Available															
	<table border="1"> <thead> <tr> <th>Name and details of the Software</th> <th>No of Users</th> </tr> </thead> <tbody> <tr> <td>Python 3, Dev C++</td> <td>53, 53</td> </tr> <tr> <td>Cloudera, J2ME</td> <td>50, 50</td> </tr> <tr> <td>jdk 1.8</td> <td>58</td> </tr> <tr> <td>MySQL</td> <td>58</td> </tr> <tr> <td>Xampp, Weka 3.7.5</td> <td>50, 50</td> </tr> <tr> <td>Argo UML - 0.35</td> <td>50</td> </tr> </tbody> </table>		Name and details of the Software	No of Users	Python 3, Dev C++	53, 53	Cloudera, J2ME	50, 50	jdk 1.8	58	MySQL	58	Xampp, Weka 3.7.5	50, 50	Argo UML - 0.35	50
Name and details of the Software	No of Users															
Python 3, Dev C++	53, 53															
Cloudera, J2ME	50, 50															
jdk 1.8	58															
MySQL	58															
Xampp, Weka 3.7.5	50, 50															
Argo UML - 0.35	50															
	Number Of Computers In Student Laboratories	242														
	Number Of Computers For Faculty And Office	10														
	Books In Department Library	217														
	Internet Facilities	yes														



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Placement Activities :			
No. of companies Visited	67		
No. of Placements offered	36		
Average Salary offered	3.5 LPA		
Off campus placements (%)	25%		
On campus Placements (%)	64.28%		
Existence of training & Placement Office in the Institute :	Yes		
19.	Quality Improvement		
S.No	Parameter	Status (YES/NO)	File Name/File No
a).	Minutes of the Department Meetings	Yes	NBACI (PAC, DAIS) - VJIT-IT
b).	Best practices implemented	Yes	VJIT - IT - BP
c).	Innovations by faculty/ students	Yes	VJIT - IT - INF
d).	Student Mentoring	Yes	VJIT - IT - SM
e).	Strengths, Weaknesses, Opportunities and Challenges (SWOC)	Yes	VJIT - IT - SWOC
COMMENTS OF THE AUDITORS:			
Auditors		Signature	
Auditor-1 Name: M. Ravi Designation: Asst. Professor Department: IT, VJIT Date:			
Auditor-2 Name: Dr. D. Aruna Kumari Designation: professor Department: CEE, MAIT Date:			
Auditor-3 Name: Designation: Department: Date:			

Academic Audit on continuous improvement for Academic Year 2020-21

S.No	Academic Practices	Observations 2020-21	Observations 2019-20	Actions/guidelines/suggestion
1	Faculty research publications	7	18	Involvement of faculty in research and publications to be improved.
2	Placements	32	36	number of placements to be improved
3	Higher Education	2	4	Number is needed to be increased and motivation continued.



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Academic Audit on continuous improvement for Academic Year 2019-20

S.No	Academic Practices	Observations 2019-20	Observations 2018-19	Actions/guidelines/suggestion
1	Faculty research publications	18	6	Involvement of faculty in research and publications are improved but still improvement is required.
2	Placements	36	32	improved number of placements
3	Higher Education	4	9	Number is to be ncreased and motivation continued.

Academic Audit on continuous improvement for Academic Year 2018-19

S.No	Academic Practices	Observations 2018-19	Observations 2017-18	Actions/guidelines/suggestion
1	Faculty research publications	6	6	Involvement of faculty in research and publications to be improved
2	Placements	32	27	improved number of placements
3	Higher Education	9	6	Number is slightly increased and motivation continued.

Academic Audit on continuous improvement for Academic Year 2017-18

S.No	Academic Practices	Observations 2017-18	Observations 2016-17	Actions/guidelines/suggestion
1	Faculty research publications	6	17	Involvement of faculty in research and publications to be improved.
2	Placements	27	27	number of placements to be improved
3	Higher Education	6	3	Number is slightly increased and motivation continued.



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7.3. Improvement Placement, Higher Studies and Entrepreneurship (10)

Sn o	Academic Year	Number of Final Year Students	Placements	Higher Studies	Entrepre neurship	Total	%
1	2021-2022	59	35	-	-	35*	59%
2	2020-2021	50	32	6	1	39	78%
3	2019-2020	56	36	5	0	40	71.4%
4	2018-2019	56	32	9	1	42	75.0%
5	2017-2018	48	27	6	0	35	72.9%

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.

Item		2021-22	2020-21	2019-20	2018-19	2017-18
National Level Entrance Examination	No of students admitted	-	0	0	0	0
	Opening Score/Rank	-	0	0	70657	0
	Closing Score/Rank	-	0	0	231024	0
State/ University/ Level Entrance Examination/ Others	No of students admitted	193	179	175	60	60
	Opening Score/Rank	18306	14307	16162	14903	15644
	Closing Score/Rank	120169	85895	99108	94193	101034
Name of the Entrance Examination for Lateral Entry or lateral entry details	No of students admitted	14	14	06	0	0
	Opening Score/Rank	805	805	23	0	0
	Closing Score/Rank	3450	3450	4547	0	0



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Average CBSE/Any other board result of admitted students (Physics, Chemistry&Maths)		85.25	85.72	85.06	83.6	82.56



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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	M A 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	-



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Mrs.Jasti .Sreedevi	AZLPJ8012F	M.A	10/05/1997	English	Assistant Professor	21/10/2016	100	100	100	YES	Regular	-
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	M A 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	M A 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	Thermodynamic s & 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.MandalaParthiNagala	AHOPC8555H	M.Sc	15/07/1999	Applied	Associate	03/09/2015	100	100	100	YES	Regular	-



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kshmi Anuradha				Mathematics	Professor							
Mrs.Chakrala Sridevi	ARWPV8749E	MSc	06/06/2006	Mathematics	Assistant Professor	25/06/2014	100	100	100	YES	Regular	-
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, M. Phil, 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,	20/05/1997	Bio Technology	Professor	02/01/2012	100	100	100	YES	Regular	-



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		Ph.D										
Mrs. Annapurna Paturi	AGRPA2024K	M.Sc	25/07/1983	Chemistry	Associate Professor	29/08/2011	100	100	100	YES	Regular	-
Mrs. Ramyasudha Pemmada	BGCPP1354F	M.Sc	02/06/2007	Chemistry	Assistant Professor	08/10/2009	100	100	100	YES	Regular	-
Mr. Rachala Muralidhar Reddy	AUPPR1320P	M.Sc	15/05/2008	Organic Chemistry	Assistant Professor	24/06/2013	100	100	100	YES	Regular	-
Mr. Baikani Narsimlu	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	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	NO	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	02/07/2015	100	100	100	YES	Regular	-



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					Professor							
Dr.Sathyanarayana Reddy Bussa	AEQPB4177F	M.Sc, Ph.D	06/06/1989	Botany	Professor	29/09/2009	0	100	100	NO	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	
Dr.MohammadNazeerunni sa	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	MSc Ph.D	12/04/2010	Chemistry	Associate Professor	14/07/2014	0	100	100	NO	Regular	25/01/2020
Dr. Kondaiah Gari Chalapathi	AWXPK1276B	MSc Ph.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	-



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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 Professor	08/08/2019	100	100	0	YES	Regular	-
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.Praveenkumar	BBNPP5769N	M E/M.Tech,	22/12/2016	EPS	Assistant Professor	02/01/2017	100	100	100	YES	Regular	-
Mr. P.Hemanthkumar	CAOPP6530N	M E/M.Tech,	22/12/2016	EPS	Assistant Professor	02/01/2017	100	100	100	YES	Regular	-
Mr. P.Satheesh	BTMPP8984J	M E/M.Tech,	01/08/2015	EPS	Assistant Professor	04/01/2017	100	100	100	YES	Regular	-
Mrs. G.Prasanna	BPCPP9584N	M E/M.Tech,	22/12/2013	PE & PS	Assistant Professor	02/07/2018	100	100	100	YES	Regular	-
T Sarada	AKYPT7975M	M E/M.Tech,	20/11/2012	Soil Mechanics and foundation Engineering	Assistant Professor	01/06/2016	100	100	100	YES	Regular	-



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A D Sandeep Kumar	CTYPK6029E	M E/M.Tech,	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	-
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	ME.MTech	30/09/1995	Production Engineering	Assistant Professor	09/07/2010	0	100	100	NO	Regular	30/06/2020
S. Suneel Kumar	BTQPS1324B	ME.MTech	30/09/2005	Advanced Manufacturing Systems	Assistant Professor	30/05/2011	0	100	100	NO	Regular	30/06/2020
Mrs. PasunuruSreevani	BLTPS6564G	ME.MTech	01/11/2019	CAD CAM	Assistant Professor	20/02/2020	100	0	0	YES	Regular	-
Mr.Saif Bin Abdullah	BITPA5865P	ME.MTech	01/11/2019	CAD CAM	Assistant Professor	26/02/2020	100	0	0	YES	Regular	-



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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 = $(5 \times 20) / \text{FYSFR}$ (Limited to Max. 5)
2018-19	1020	80	13	5
2019-20	1200	84	14	5
2020-21	1200	75	16	5
Average	1140	79	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) Institute Marks: 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



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2019-20	17	58	60	4
2020-21	18	58	60	4
Average Assessment: 4				

8.3. First Year Academic Performance (10)

Institute Marks :6.44

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)	7.02	6.84	6.35
Total Number of successful students(Y)	172	55	58
Total Number of students appeared in the examination(Z)	175	60	60
API[X*(Y/Z)]	6.89	6.27	6.13

Average API[AP1+AP2+AP3)/3] : 6.44

Assessment =1.5* Average API :9.65



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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)

Institute Marks: 5

S.No.	Assessment tool	It's impact on course delivery/content	Relevance towards attainment of Course outcomes
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 15marks Internal Practical Examination will be conducted for 10 marks. The weightage of internal lab examinations is 25marks. External lab Examination will be conducted for 50marks.	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



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8.4.2. Record the attainment of Course Outcomes of all first-year courses (5)

Institute Marks: 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
				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



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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
<i>CO Attainment</i>	$(\text{Mid-1} + \text{Mid-2}) / 2 = a_1$	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.



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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
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% End Exam (75M)	
		ASM - I (5)	PART-A				PART-B				ASM - II (5)	PART-A				PART-B				MID-II
			Q1(2M)	Q2(2M)	Q3 A (1M)	Q3 B (1M)	Q4(5M)	Q5(5M)	Q6(4M)			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	36
2	15911A0103	5	2	2	1	1	2	2	3	18	5	2	2	1	1	4	5	4	24	55
3	15911A0105	5	2	2	0	1	4	4	3	21	5	2	2	1	1	4	5	5	25	52
4	15911A0106	3	2	1	1	1	2	2	2	14	4	2	2	1	1	2	4	4	20	41
5	15911A0107	2	1	1	1	1	2	2	1	11	2	0	2	1	1	1	2	2	11	44
6	15911A0108	5	2	2	1	1	4	3	3	21	3	2	2	1	1	2	3	3	17	40
7	15911A0109	3	2	2	1	1	2	3	2	16	5	2	2	1	1	2	3	3	19	48
8	15911A0111	4	2	2	1	1	4	4	4	22	5	2	2	1	1	4	5	5	25	58
9	15911A0112	3	2	2	1	1	3	3	2	17	4	1	1	1	1	4	4	4	20	48
10	15911A0113	4	2	2	1	1	3	3	2	18	5	2	2	1	1	4	5	4	24	49
11	15911A0115	4	2	2	1	1	4	4	3	21	5	2	2	1	1	4	3	5	23	61
12	15911A0117	5	2	2	1	0	3	3	3	19	5	2	2	1	1	4	4	4	23	58
13	15911A0120	4	2	2	1	1	5	5	4	24	5	1	1	1	1	4	4	3	20	26
14	15911A0121	4	2	2	1	1	3	3	2	18	4	2	2	1	1	4	4	4	22	51
15	15911A0122	5	2	2	0	0	3	2	3	17	3	1	1	1	1	2	3	3	15	32

Image of Direct Assessment Sheet

In the process of Direct Assessment Evaluation,

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



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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			
	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			
	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			
	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			
	MID II - PART A - Q2	3.0				
	MID II - PART A - Q3 B	3.0				
	MID II - PART B - Q6	3.0				



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Indirect Assessment Evaluation:

Assessment Tools	Assessment Frequency	Assessed by	Reviewed by	Assessing CO'S
Course End Survey	At the end of the Course	Course Coordinators &IAC	IAC	CO1 – CO5

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)

Institute Marks: 10



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PO Attainment:

Course	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
A21002 Mathematics I	2.38	2.38	2.38	2.38	2.38	2.22	-	-	1.59	1.59	1.59	1.59
A21003 Applied Physics	1.84	1.53	1.53	1.07	1.53	1.53	0.96	-	-	1.07	0.77	2.30
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	2.20	2.20	2.20	1.47	1.61	1.47	0.73	-	-	1.47	1.47	2.20
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	2.14	2.14	1.94	1.36	1.94	2.33	-	-	-	-	-	1.55
A21081 ELS Lab	3.00	3.00	-	2.00	-	2.33	-	2.00	2.00	3.00	1.00	3.00
A21501	2.24	2.24	2.24	2.24	2.24	1.49	-	1.49	2.24	2.24	0.75	2.24



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PPS I												
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	2.24	2.24	2.24	2.24	2.24	2.09	-	-	0.75	1.49	1.49	1.49
A22008 Chemistry	2.30	1.69	1.53	1.53	2.11	1.84	1.53	1.53	-	1.23	-	1.84
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	-	2.28	1.95	2.93	-	2.44	1.95	1.95	1.95	2.93	0.98	2.93
A22084 ECS Lab	-	2.00	-	2.33	2.00	2.00	-	3.00	2.67	3.00	1.00	3.00
A22502 PPS II	2.28	2.28	2.28	2.28	2.28	0.76	-	1.52	2.28	2.28	0.76	2.28
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	2.41	2.22	2.23	2.06	2.06	1.91	1.42	1.86	1.97	2.02	1.22	2.35



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Attainment Level :

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.41	2.22	2.23	2.06	2.06	1.91	1.42	1.85	1.97	2.02	1.22	2.35
CO Attainment	2.41	2.22	2.23	2.06	2.06	1.91	1.42	1.85	1.97	2.02	1.22	2.35

PSO Attainment:

Course	PS01	PS02
A21002 Mathematics I	2.38	1.59
A21003 Applied Physics	1.38	1.53
A21082 Applied Physics Lab	1.80	1.80
A21201 BEE	1.76	1.76
A21281 BEE Lab	2.00	2.00
A21301 EGM	-	1.75



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A21081 ELS Lab	-	1.00
A21501 PPS I	0.75	0.75
A21581 PPS Lab I	1.00	1.00
A22006 Mathematics II	2.24	1.49
A22008 Chemistry	1.53	1.38
A22086 Chemistry Lab	1.80	1.60
A22005 English	-	1.30
A22084 ECS Lab	-	1.50
A22502 PPS II	0.76	0.76
A22582 PPS Lab II	1.00	1.00
A22382 EWS	1.00	3.00
Average	1.49	1.48



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PSO Attainment Level:

Course	PSO1	PSO2
Direct Attainment	1.49	1.48
CO Attainment	1.49	1.48



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8.5.2. Actions taken based on the results of evaluation of relevant POs (5)

Institute Marks: 10

(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	Observations
PO1: Engineering Knowledge			
PO1	2.22	2.41	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 for the overall development of the students.Explicit attention is paid to the students by assigning the topics chosen for improvement.			
PO2: Problem Analysis			
PO2	2.03	2.22	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	2.23	Target Level attained.
<ul style="list-style-type: none">The students are offered the basic and key steps to designing concepts.			



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<ul style="list-style-type: none"> Experiential design solutions are encouraged through science activities to address the societal needs. 			
PO4: Conduct investigations of complex problems			
PO4	1.87	2.06	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	2.06	Target Level 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 English to heighten the competency of the students. 			
PO6: The engineer and society			
PO6	1.74	1.91	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			
PO7	1.26	1.42	Target Level attained.
<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	1.86	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. 			



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PO9: Individual and team work			
PO9	1.72	1.97	Attainment level is almost nearer to the target level.
<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	2.02	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	1.22	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	2.35	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: Use mathematical abstractions and algorithmic design along with programming tools to solve complexities involved in efficient programming.			
PSO1	1.4	1.49	Target Level attained.



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<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: To provide software skills and documentation ability for graduates to become employable/ Higher studies/ Entrepreneur/Researcher.			
PSO2	1.35	1.48	Target Levelattained.
<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.			



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9. STUDENT SUPPORT SYSTEMS (50)

9.1.1 Mentoring system to help at individual level (5)

Type Of Mentoring	: All round development of students
Number of Faculty Mentors	: All Faculty Members
Number of Students per mentor	: 15-30
Frequency of Mentoring	: Need based, in addition to helping the students at any time on individual basis, providing personal mentoring and Professional guidance/career advancement.

Mentoring Process:

Mentoring is for over all development of the student. Counselling books are maintained by faculty where in all details of the students of his/her group is recorded. The same details are maintained in the counselling book of each student:

- Personal Information.
- Mentoring Regularity of the students.
- Monitoring Performance of the students.
- Personal Counselling for Career Guidance
- The parents of poorly performing students are informed through SMS and call.
- Students are encouraged to participate in technical events.

Sample mentoring sheet to counsel the students




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Aziznagar Gate, Himayathnagar (V), C.B. Post, Hyderabad 500075
Phone: 91-8413-235300/399
www.vjit.ac.in

STUDENT'S ACADEMIC RECORD

Name: Akshat
Roll No.: 18911A1206
Branch: IT

STUDENT'S ACADEMIC RECORD

Name of the Student: Akshat Dalmia
Branch & Section: IT
Roll No.: 18911A1206
Category: Convener Quota (OC/BC/SC/ST/SPORTS/NCC/PH)/ Management quota
Parent's Details:
Father's Name: Pankaj Dalmia Occupation: Business
Mother's Name: Mahima Dalmia Occupation: Business
Contact No.: 9440089794 Email ID: dalmiapankaj@yahoo.com

Office Address with contact No.:		Residential Address with contact No.:	
		<u>Dayakar Residency,</u> <u>West maredpally, Lions club</u> <u>Lane, Picket,</u> <u>Secundrabad</u> <u>500026</u>	

Past Academic Performance:

S. No.	Class	Year of Pass	% of Marks/ Grade	School/ College
1	10 th / Equivalent	2016	10	D.A.V Public School
2	12 th / Equivalent	2018	78.2%	P. obul Reddy Public School

JEE/ EAMCET Ranking details: (if any)
1) 25646
2)

Signature of Student: Akshat
Signature of the Parent: Pankaj

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Figure: 9.1.1 Samplementorbooktorecordthestudents'detailsfromthefirstyeartofinalyear



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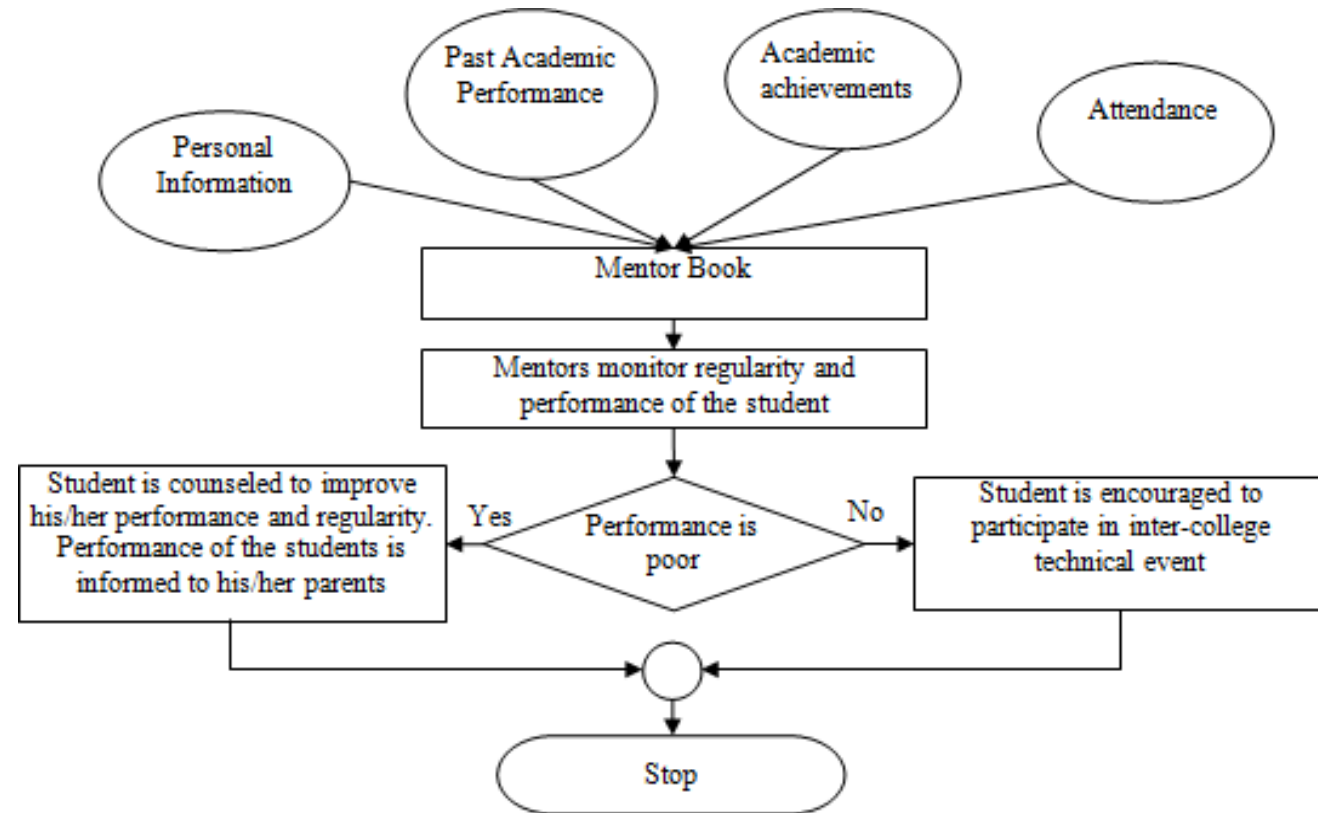


Figure 9.1.2 Flowchart of Mentoring Process

By Implementing mentoring system in the Institute, the following parameters are improved



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Efficacy of mentoring system

S.No	Parameters	Outcomes
1.	Regulation 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 (10)

Feedback collected for all the courses : YES
Average percentage of students' 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



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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.

Feedback



Developed By Md.Munazzar CSE 2019



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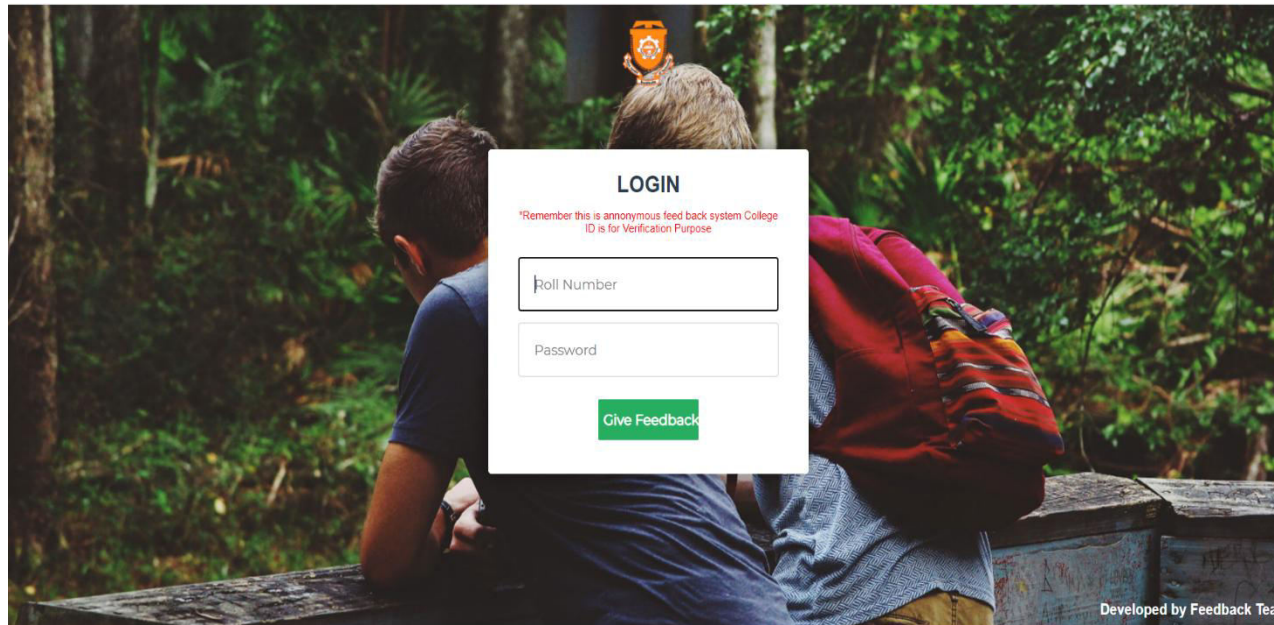


Figure9.2.1Feedback-formlogin

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, (CSE and IT) students 2019 batch. In this form the current semester theory and laboratory courses are displayed along with faculty details with photograph. The students have to fill the form and he/she gives feedback points from 1 (low) to 10 (high) for measuring ten attributes mentioned.



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System of Reward:

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 (5)

Assessment is based on student feedback collection, analysis and corrective action taken.

The questionnaire is intended to collect information on students' satisfaction towards facilities and services provided within the college campus. The information thus gathered is treated confidential and is to be used as important feedback for quality improvement of the program. The feedback template is as follows: Based on the suggestions a time.

Student feedback forms 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



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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					
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.



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Action Taken for Student Feedback on Facilities

Academic Year: 2019-20

The analysis of student's feedback on facilities is taken. In this feedback analysis, it is clear that students are satisfied with redress of grievances/problems, but they suggested prompt/quicker problem-solving.

This feedback analysis is discussed with the principal and the management. Necessary action is taken by the management by providing complaint and suggestion boxes in each department. The committee collects complaints and suggestions every 15 days and takes the necessary action.

In charge

Head of the Department

Principal

9.4 Self Learning (5)

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
- Coursera online course



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- Webinars
- Virtual labs
- Technical Clubs

Apart from all these modes, we have student “Technical CLUBS. It is a platform 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.

A. Scope for Self Learning:

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.

B. Scope for Self Learning- Facilities& Utilization

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



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2. Internet facility:

Name of the Internet Service Provider	Pioneer, Apollo Online, BSNL
Available band width	500Mbps
Wi-Fi availability	Yes
Internet access in labs, classrooms, library and to all the departments	Yes
Security arrangements	Yes

3. E-learning Resources for Students

S.No	Medium for self learning	Available Place	Purpose
1	NPTEL Video Courses, NPTEL web courses.	Central & Department library	Self-learning
2	E-Books (McGraw-Hill, Springer, Taylor and Francis, Cambridge, IS, Oxford)	Central & Department library	Self-learning
3	Journals, ICTE-INDEST, IEEE, ASME, ASCE, DELNETN-LIST (INFLIBNET)	Central & Department library	Self-learning
4	Books are available for competitive exams	Central	Self-



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	likeGATE, IESGRE, TOEFEL and GMAT	& Department library	learning
5	Previous project reports	Central & Department library	To extend the already existing project and getting new innovative ideas in developing new projects
6	Digital Library	Central library	Self learning

4. Digital Library:

Established digital library with 30 computers and around 1805 CD Rom's are available

- Availability of e-Journals 5133 & e-books from NLIST 1,25,000
- Subject question papers JNTU/Autonomous for all the courses
- PDF books for all the courses
- Support to students for self learning through NPTEL videos

All library facilities are supported by expert assistance and available for students and staff from 9:00 am to 6:00 pm on all working days.



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5. List of Webinars

List of Webinars Conducted 2020-21

Webinar Title	Expert	Organization/Industry	Date
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. Raghavendrakumar Ch.	Principal quality assurance engineer, Prokarma, USA.	18 th December 2020

List of Webinars Conducted 2019-20

Webinar Title	Expert	Organization/Industry	Date
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



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SAP migration services to AWS	Mr.P.Manikanta	SAP ABAP Senior Consultant,Capgemini.	8 th August 2019
Artificial Intelligence	Dr.JothiPeriasamy	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
Introduction to Internet of things	<u>Dr. Tanveer Ahmed</u>	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,BennetUniversity, 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	17 th



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		Engineer, Prokarma, Hyd	September 2018
Practical Oriented Approach for Engineering Course	SowjanyaDundhigal	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

6. 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.

7. Subject Specific Lectures are arranged for each course to outreach the syllabus.

8. Technical Seminars by students in each semester are organized by the department to understand the correlation between theoretical concepts to practical approach with a positive mindset and reap the maximum benefits in terms of academic marks as well as personal knowledge enhancement.

9. Group Discussion on student project work monitored by the senior staff.

10. Mini Projects & Technical Seminars Presentation: They are assigned as a part of the curriculum to motivate the students to think freely and innovatively.

11. Emphasis on Laboratory Training: Entrance to engineering education is based on multiple choice question tests resulting in a memory-based system. To expose them to empirical experience, a procedure has been adopted with major emphasis on practical to be performed beyond the syllabus requirement.

12. Soft Skills and Personality Development Cell: The placement cell formulates to enhance the skills like arithmetic skills, communication skills, group discussion, and leadership skills. The cell organizes training programs by the professional trainers for conducting lectures on Saturdays / Sundays.



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13. Guidance Cell: Students are trained to face On-Campus and Off-Campus interviews being conducted by the MNCs and are also guided to appear for competitive examinations like GATE, TOEFEL, and GRE which help students to continue their education.

14. Tutorials: One tutorial hour is scheduled in the time table in addition to the theory hours, which is utilized for clarification of doubts and discussions.

Tutorial classes to address students' questions: Size of tutorial classes, hours per subject in timetable

Provision of Tutorial classes in time-table : YES

Tutorial Sheet : Available

Tutorial classes taken by : Faculty

Number of tutorial classes per subject : one per week

Number of students : 60 per tutorial class

Possibility, Motivation and Scope for Learning beyond Syllabus:

Above facilities are provided (free of charge to the students) by the teachers through special lectures, seminars and mini projects.

Motivation: They are encouraged and motivated to avail these facilities to enhance their skills and knowledge. Students are motivated to participate in paper contest, project co workshops

Scope: To pursue higher studies and to secure better Jobs.

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.



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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	MarriLaxman 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 & ICTIEE -2017	Vardhaman College of Engineering, Hyderabad	4 th to 6 th January 2017	Infinite Engineering	4
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	B M S College of	4 th to 8 th January 2015	Transformation in	4



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	& ICTIEE- 2015	Engineering, Bangalore		Engineering Education	
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 workshops conducted at VJIT

S. No	Name of the Workshop	Date	Theme	Number of Participants
1	Regional Student Forum – 2018	29th September to 1st October 2018	Fostering Engineers of Tomorrow	65
2	Regional Student Forum – 2017	7th to 9th September 2017	Empowering the Millennials	42
3	First year student workshop	2nd March 2017	Effective Engineering Education	22
4	3rd Regional student forum	1st to 3rd September 2016	Engineering Education for Multifaceted Engineers	10
5	2nd Regional Student Forum - 2015	3rd to 5th August 2015	Engineering Education for Multifaceted Engineers	18
6	E-Myths workshop	12th September 2015	What is Engineering? What do Engineers do? And the importance of being an Engineer	28
7	1st Regional Student Forum - 2014	15th to 17th September 2014	Engineering Education Without Borders	18



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Regional SPEED workshops conducted by VJIT Students

S. No	Name of the college	Date	Place	Student Facilitator
1	Anurag Group of Institutions Annual Student forum	4th to 8th January 2020	Hyderabad	Ms. B. Shivani Ms. P. Harika Ms. K. Sai Chaitanya Reddy Ms. Pravallika Mr. V. Sai Ganesh
2	MLRIT	4th to 6th January 2019	Hyderabad	Ms PravalikaNandu
3	Anurag College of Engineering	12th to 16th November 2018	Hyderabad	Ms PravalikaNandu
4	MVJ College of Engineering	15th to 17th September 2017	Bangalore	Harsh Sharma
5	MLR Institute of technology	30th August to 1st September 2017	Hyderabad	K.R. RoshidChandran
6	MLR Institute of Technology	30th August 2017 to 1st September 2017	Hyderabad	C.N.S. Revathi
7	SR Engineering College	15th to 17th September 2016	Bhimavaram	C Kavyasree
8	MLR Institute of technology	19th to 21st September 2016	Hyderabad	P Ajay and H Roopak
9	Vignan Institute of information & technology	17th to 19th August 2016	Vizag	B Santosh Pawan Kumar
10	ABES Engineering College	30th August 2016 to 2nd September 2016	Noida	K Nikhita



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11	SR Engineering College	6th to 8th August 2015	Warangal	A Swarnamani, B Santosh Pawan Kumar C Kavyasree
12	AMITY University	9th to 11th September, 2015	Noida	A Swarnamani
13	Pulla Reddy Eng.College	23rd to 25th July, 2015	Kurnool	P Prathyusha
14	Mangalam College of Engineering	27th to 29th July, 2015	Kerala	H Roopak
15	BH Gardi College of Engineering & Technology	27th to 29th July, 2015	Rajkot	B Santosh Pawan Kumar and P Ajay
16	HITAM Engineering College	18th to 20th July, 2015	Hyderabad	B Santosh Pawan Kumar

Virtual Labs:

Objectives

1. To provide remote-access to simulation-based Labs in various disciplines of Science and Engineering.
2. To enthuse students to conduct experiments by arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation.
3. To provide a complete Learning Management System around the Virtual Labs where the students/ teachers can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self-evaluation.

VJIT has identified the importance of the Virtual Labs and has become an authorized nodal center to access the services provided by Virtual Labs. VJIT is organizing activities and workshops time to time, to give awareness about the Virtual Labs



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and how to use the use the virtual labs for performing the experiments/ writing programs/ simulations etc, for the students and also faculty members.

List of Labs for Department of CSE, IT and AI

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

Clubs and professional chapters:

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, Associate Professor ,Muffakhamjah College of Engineering-Hyderabad



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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”	<ol style="list-style-type: none"> 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



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4	5/12/2019	Seminar on “Holistic solution for enhancing employability campus 2.0”	
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.KrishnaVedula, 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.



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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

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



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2019-20			
S.No	Date	Topic	Resource person
1	24/01/ 2020	A One- Day Workshop on “Enterprise Artificial Intelligence”	Mr.JothiPeriasamy, Chief AI Architect, DeepSphere HanuYedluri 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			
S.No	Date	Topic	Resource person
1	16 th - 17 th	A Two Day Workshop Artificial	Mr. P Mohan,



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	March 2019	Intelligence & Machine Learning ”	Chief Advisory in Data Science, Engineering Staff College of India (ESCI), Hyderabad.
2	2/2/2019	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



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ACM

2020-21			
S.No	Date	Topic	Resource person
1	10 th October 2020	Inauguration of VJIT ACM Student Chapter	Mr. Karthik Ganapathi, Managing Director, VSG Software Solutions, Mysore

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



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2018-19			
S.No	Date	Topic	Organized by
1	9 th February 2019	Gender sensitization	Dr.Vishnu Vandana, Professor, Anurag Group of Institutions,

CLUBS:

AI Club

2020-21			
S.No	Date	Topic	Resource Person
1	22 nd August 2020	Artificial Intelligence Applications	Jothi Periasamy , Chief AI Architect , Deespshere.AI
2	21 st January 2021	Artificial Intelligence developments in real world.	HanuYedluri,, Senior Data Scientist BrainLabs.AI



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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 HanuYedluri,, 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.SridarSwamynadan, Professor in CSE Dept., Bennet university, Noida
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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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	22 nd October 2019	IOT and Fog Computing using Raspberry Pi	Mr.Naidu babu Vanam,Consultant,Avaloq.

WEB CLUB

2020-21			
S.No	Date	Topic	Resource person
1	21 August 2020	Banking security web application	Mr.Rajesh I
2	19 February 2021	Angular JS	Mr. Rambabu.K
2019-20			



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S.No	Date	Topic	Resource person
1	3 August 2019	Microservices and Springboot	Mr.Naidu babu Vanam,Consultant,Avaloq.
2	15 February 2020	Web building with Node JS	Mr. Ch.RaghavendraKumar,ProKarma.

2018-19

S.No	Date	Topic	Resource person
1	24 August 2018	Web Development with Microsoft Technologies	Mr.M.Vasudevarao,iSpace.
2	2 February 2019	Web Development using Angular JS	Mr. I.Rajesh Varma, Manager, NetEnrich Technologies

ANDROID CLUB

2020-21			
S. No	Date	Name of the event	Resource person
1	16 th December 2020	SQLite development	Mr.TarakeshwarRao,VJIT
2	23 rd February 2021	Android App Development	Mr. B Vikas,VJIT

2019-20



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S.No	Date	Topic	Resource person
1	20 th & 21 st Feb-2020	Android network Connectivity	Mr. Surya prakashChittampalli, Founder
2	18 th Nov 2019	Android UI Development	Mr. B Vikas, VJIT

2018-19			
S. No	Date	Name of the event	Resource person
1	13 th -14 th September 2018	A two days workshop on “Android media support”	Mr. B Vikas, VJIT
2	2 nd -3 rd February 2019	Hackathon Block Chain, Smart Innovation ,Agriculture,Healthcare	Mr. V.LakshmiKanth, Broadridge India.



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Value added 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						



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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
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

QLIK Certification					
S.No	Roll Number	Name	Branch	Email	
1	16911A1202	AKKALDEVI RASHMITHA	IT	akkaldevirashmitha@gmail.com	
2	16911A1207	BODAPATI YUGANDHARI	IT	yugandharibit3@vjit.ac.in	



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3	16911A1209	D ANEELA CHOWDARY	IT	daneelachowdary@gmail.com
4	16911A1224	KOKKILIGADDA HIMAJA	IT	iamhimaja@gmail.com
5	16911A1233	MANGALKUNTALA SUREKHA REDDY	IT	msurekhareddy13@gmail.com
6	16911A1237	MOHIT CHOKDA	IT	mohitchokda01@gmail.com
7	16911A1246	PASULA HEMANTH	IT	hemanthreddy99666@gmail.com
8	16911A1247	PILLALAMARI ANIRUDH	IT	p.anirudh1999@gmail.com
9	16911A1250	POLASANI MOUNIKA	IT	mounikapolasani@gmail.com

9.5 Career Guidance, Training, Placement (10)

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



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Objectives of the Career Guidance Cell:

The Objectives are to:

- Provide information about various career options available to the students.
- Conduct a survey among students on their career options.
- Organize programs and to create awareness about the importance of higher studies in India and abroad.
- Organize diagnostic tests for the competitive exams such as CAT, GRE, and GMAT and to counsel them for higher studies.
- Organize coaching classes on CAT, TOEFL, GRE etc.
- Organize and offer various programs on Personality Development, Soft Skills and Communication Skills.
- Organize Pre Placement Training Programs and to enable students to showcase their skills during the Interview.
- Invite companies/organizations for campus interviews and provide them necessary facilities for conducting written test, group discussion, technical and HR interviews etc.
- Arrange industrial visit for pre final year and final year students.
- Organize training for mock interviews, group discussions, experience sharing by eminent personalities, business communication skills and conduct online/off- line tests on problem solving and aptitude tests.
- 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 Placement cell of 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.



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- 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) / Communication Club program.

Faculty Coordinator – Dr.Indira Priyadharshini– Prof, Department of English

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. 5 VJIT'ians topped the exam and are given B2 Level of certification i.e. BEC Vantage. The remaining 14 students got through the exam with good grades.

List of activities conducted under career Guidance cell:

S.No	Date	Name	From	Topic
1.	13-Aug-21	RituAshar	Co-Founder& Chief learning Officer	AWS Cloud Computing
2.	08-Aug-21	YeshwanthChintaginjala	Software Development Engineer II AtPaypal	Preparation Strategies For Product Base Companies
3.	06-Aug-21	Sandeep	Triumphant Institute Of Technology Education Pvt.Ltd	Carrier OppurtunitiesPreparation Strategy Through GATE-22
4.	03-Aug-21	Sri Harsha	TCS Careers	Ninja Hiring Process
5.	10-Jul-21	SreeLatha Shankar	Head-Ameccaz	Cyber Security Services Campus to Corporate Orientation



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6.	03-Jul-21	BhagwanGorti	CEO& Founder Positive Solutions	Integrated Information System Enterprise Excellence
7.	27-Jun-21	Hardik Nahata	AI Engineer,Aspects Technologies	Machine Learning in Alexa Works
8.	25-Jun-21	Sushma patur	Times Of India	Impact of COVID-19 on Students career & how to be Exam Ready in Pandemic
9.	19-Jun-21	KrishnaKumar Dev	Talentio	Manage To get 1 Crore Package From Amazon
10.	13-Jun-21	Aniket Chile	Experts Insights on Cognizant	How To Crack Cognizant
11.	06-Jun-21	Rajeev Markanday, Palash Gupta	Hitbullseye	Career Options After Graduation
12.	05-Jun-21	Siddharth Ghosh	Talentio	Journey of Life in Pandemic
13.	04-Jun-21	Venkata Ramana Reddy,Sandeep Bandari	JNTU	About Gate,Jobs& Higher Education Opportunities
14.	21-May-21	Karthikeyan	R&D Scientist in Robotics Controls	Webniar On Robotics
15.	13-May-21	Code Chef Team	Code Chef	Coding Contest
16.	15 th December 2020	NiketaDediha	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.PallaRajeswarreddy	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



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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

Training & Placement:

The placement cell is headed by **Mrs. Shikha Kaushal**. Placement officer has a strong Corporate Connect which is resulting in quality placements. Placement cell has been organizing On and Off campus recruitment drives every year. Nearly 85% of our eligible candidates have found placements/higher studies.

Placement Office also coordinates with department coordinators to communicate the placement related information to the students and for any necessary information to be collected. The institution has entered a memorandum of understanding with several local industries for extending Training/Internship/Placement of students. Most of the final students of B.Tech and M.Tech are carrying out their projects in the industry. This mechanism has been very much useful for students as they are being exposed to actual industrial setup providing practical exposure.



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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. ManasaThogaru	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



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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

Training is one of the most integral parts of our institution because of which we are able to see quality placements. 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.



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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 by personally meeting the concern people at their office as well as in the form of email with relevant information about college
- Once the company accepts to hire our students, a mutually convenient date is fixed for the Campus Placement process.



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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 Development Cell (5)

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
- 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



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FundReceived

ReceivedasponsorshipforconductingEntrepreneurawarenessprogramfromDSTNIMATintheacademicyear2018-19anamountofRs.1,00,000/-andin2019-20anamountofRs.20, 000/-Under thistotal6awareness workshops conducted to thefinal 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.PallaviBadry	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. VijayaShanthi	Dept. Coordinator	IT
14	Mrs. E. Kavitha	Dept. Coordinator	ECE
15	Mrs. V. Vijaya Lakshmi	Dept. Coordinator	EEE
16	Mr. S Prasad Kumar	Dept. Coordinator	MECH
17	Mrs. SuneelaBharathi	Dept. Coordinator	MBA



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IncubationCenters

TheInstitutehasTwoIncubationCenters,

:

- MSMERecognisedBusinessIncubationcenterwithregistrationID:HI/BIRegistrationNumber:HIBITS000288witheffectivefrom10thJanuary2020DataReadyTechnologyCorp.
- Canadacorporation,locatedinToronto,Ontario,Canadawitheffectivefrom19thFebruary2019to18thFebruary2021

Events organized by EDC

Academic Year	2018 -19	2019 -20	2020 -21
No. of Events Conducted	07	02	15

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.RituAshar, 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



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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.RajaniKanthAluvalu, 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.DineshChandrasekar, 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.MadhuParvathaneni, 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



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11	03.10.20	Webinar on “Decoding the Entrepreneur Journey: CVRINDIA Innovations”	Mr. SanjaySanju, 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.ShantaThoutam, Innovation/ Startup, Evangelist & OSD(Textiles) , Govt. of Telangana, Hyderabad
14	19.08.20	Webinar on Ideation to Patenting	Mr. BalajiDevarajan, Head – Centre for IPR, KPR institute of Engineering and Technology
15	09.07.20	Webinar on The Power of Innovative Entrepreneur	Mr. MohammedVaseem 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 SnehaKulukuru, Technical Consultant, ALC India Ltd.,



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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. LokeshNathany, Founder ,DiSRUPPt Thinking K. C. Choudhury, Asst. Director, MSME-Development Institute Dr.V.VishnuVandana, Associate Professor, Anurag Group of Institutions Dr.NanditaSethi, Founder & Managing Director,The Entrepreneur Zone Mrs. P. SuneelaBharathi, Associate Professor, VJIT Mrs. J.Sreedevi, Assistant Professor, VJIT Mrs. K. Kavitha, Assistant Professor,VJIT Dr. P. Chakradhar, Professor,VJIT
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. SurenderChowdary, Manager, JIO, Mumbai Mr. P. Sridhar, Chief Executive, Peacock Finance Mr. G Nikeelu, Founder, Digital Connect



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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. SuneelaBharathi, Associate Professor, VJIT, Dr. Vandana, Asso. Professor, Anurag Group of Institutions Mr. GulshanBist, Assistant Director, MSME-DI, Mr. M. Rama Rao, Professor, NEC, Narsaraopet



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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



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23	01.10.18	One day workshop on Entrepreneur Journey	Mr. Sri CharanLakkaraju, CEO, stuMagz Mr. NikeeluGunda, Founder,Digital Connect Mr. karan shah, Founder 8FX
24	17.09.18	EDC Logo competition	VJIT E CELL Logo contest
25	20.01.18	Entrepreneurship Orientation Program	Dr. T. Rammohan Rao, Vasavi College of Engg., Hyderabad.

Students Benfitted

S. No.	Academic Year	Name of the Student	Company Name	Type of service	Registered Number
1	2018-19	KotlaManideep	Project1 Group	Media marketing	-
2	2017-18	GanjiNavyaDarshini	Rajini Couture	Online Service	-
3	2017-18	Sumanth V	From the Farmers Farm	Online Service	-
4	2017-18	S Shiva Prasad	Nirmal Services	Online Service	-
5	2016-17	Elukuchi Chandra Shekar	Ortunity Solutions Private Limited	IT Services and Recruiting Solutions	-
6	2015-16	Naveen Kumar	Naveen Kumar India Pvt. Ltd.	Shares	CIN: U52609MP20
7	2015-16	KonakaKarthik	Cloudnix Software Lab	Software Developer	Reg. No. 36AAOFD22



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DEPARTMENT OF INFORMATION TECHNOLOGY

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 ecosystem 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 Rao	Professor	IPR Activity Coordinator



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9	Mr. Y. Praveen Kumar	Associate Professor	Internship Activity Coordinator
10	Dr. KVR. Satya Kumar	Professor	Start up Activity Coordinator
11	Mr. B. Eswar Babu	Associate Professor	Social Media
12	Mrs. G. Srilatha	Academic Coordinator	Member
13	Mr. R. Venkata Chalam	Sr. Admin. Officer	Member
14	Dr. B. Vijayakumar	Professor & HOD	Member
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 Prasad	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 Bharathi	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



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External Committee Members of IIC

S. No.	Name of Staff	Organization	Assigned Roles
1	Mr.DSreenu	Canara Bank	Bank/Investor
2	Mr.EmmanuelGosula	EPAM Software Engineering & Product Development Services	Expert from nearby Industry
3	Dr.ShantaThoutam	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.NanditaSethi	The Entrepreneur Zone	Start up/ Alumni Entrepreneur
6	Mr.SriCharanLakkaraju	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”	RituAshar, 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.



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4	27.01.21	Orientation session on “National Innovation and Startup Policy (NISIP)”	Dr.RajaniKanthAluvalu, 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.DineshChandrasekar, 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.MadhuParvathaneni, Managing Director madBlocks Technologies Pvt. Ltd., Hyderabad.

9.7 Co-Curricular and Extracurricular Activities (10)

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



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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 up 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, Basketball, Badminton, Table tennis etc.)
2	Inter Engineering Collegiate	September to March	All Games



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	Tournaments		
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



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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

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.KSravya	Kabaddi	South Zone Inter University	VelTech University, Chennai. October 2019
6	Ms.M Shivani	Handball	South Zone Inter University	Calicut University, Kerala. October 2019



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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	GokarajuRangaraju 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.



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				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
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



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				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



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				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 Bachupalli, 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



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				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
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



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				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



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				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.N	Name of the Student	Name of the Sport/Game	Univ/National/International Level	Place & Date & Year



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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
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



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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



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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 Mr.NikhilMr.SwarnenduMs.P.SumanMr.S.H. Akhil	Jawahar 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
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, Founder, URBANKISSAN Inc., USA & HF Trainer	03-07- 20	03-07- 20	85
2	COHERENCE- Ensuring a sense of well-being	Dr. Pariplavi. MD, PhD, FCGP; Former Professor and H	10-07-	10-07-	64



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	posethroughthehasslesofdailylife	,OsmaniaMedical College	0	0	
3	Changeyourthoughtsandchangeyourdes	DrSK.Kamruddin,MA.,MBA.,M.Phil.,P DeptofManagementandCommerce, ulanaAzadNational Urdu University (A tral University),Hyderabad	17-07- 0	17-07- 0	72
4	How changeScalar to Vector in the context of life	Dr.P.V.S.SivaPrasad, Professor/CSE, Nalla Malla Reddy Engineering College	24-07- 0	24-07- 0	56
5	Leading with Heart	RamanaVemuri Technocrat, Entrepreneur & Heartfulness er	21-07- 0	21-07- 0	67
6	Empowerment of self potential	Dr.SureshPurini AssociateProfessor, DeptofC.S.E,IIITH	07-08- 0	07-08- 0	68
7	Using Intuitive Over Intelligent Knowledge or Decision-making	Dr.UMASUBBARAMAN, Ph.D Economist, teacher, management sultant	14-08- 0	14-08- 0	69



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8	Impressions and its Impact to our consciousness	Mr. Srinivas Pamarthi Project Manager, Bank of America, Hyderabad	21-08- 0	21-08- 0	54
9	Aspiration & Lifestyle	V. Madhumati Preceptor & Heartfulness Trainer	20-08- 0	20-08- 0	62
10	ENERGISE your time- Heartfulness way	Dr. K. Pavan MBBS, DCH, DNB (ped)	04-09- 0	04-09- 0	72
11	Stress management & sleep with Heartfulness	Dr. JAYARAM THIMMAPURAM Wells New York hospital, U.S.A and TEDX speaker	11-09- 0	11-09- 0	96
12	Evolution is transcendence from GNAN to IGNAN	Mr. Manohar Banduram Founder of technology startup in smart water management	19-09- 0	19-09- 0	67
13	Journey well travelled	Mr. Samir Entrepreneur, Heartfulness Trainer	26-09- 0	26-09- 0	59
14	How to Expand our consciousness	Dr. B.J.C. Babu, Retired Professor, BITS, Pilani GOA Campus	03-10- 0	03-10- 0	78



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DEPARTMENT OF INFORMATION TECHNOLOGY

15	WorkLifeBalance – HeartfulnessWay	Mr.B.GouthamSharma Asst.GeneralManager,CanaraBankCircle Office,Secunderabad	17-10- 0	17-10- 0	81
16	Nurturing aJoyfulHeart	Mr. D. Anant,Educator,Technologist	31-10- 0	31-10- 0	58
17	HowaboutMeditationinCorporate world?	Mr.KrishnaMaramganti Head- MarketingCoE,HTCGlobalServicesInc.	07-11- 0	07-11- 0	68
18	RejuvenationbyCleaning	Dr.S.S.Ramakrishnan, RetiredProfessor&Head, Dept.ofMetallurgyPSGCollegeofTech.,Coim batour	21-11- 0	21-11- 0	76
19	HeartfulEating	Mr.Chakradhar, SeniorManager,WIPRO,Hyderabad	28-11- 0	28-11- 0	68
20	MeditationandInnerEngineering	Mr. Manish Arwal,IndependentFinancialadvisor	04-12- 0	04-12- 0	67
21	EveryonespeaksaboutMeditationbutfe	Dr.MohanKumarSinguru Dean–	19-12- 0	19-12- 0	57



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	refertoPractice	dents,MVGRColegeofEngineeringVizia aram	0	0	
22	Regulation of Mind & Experience of d through Heartfulnessmeditation	Sri V. R. S. Naga maCA,Retd.GM(Fin.) HindustanShipyardsLtd.,Vishakapatnam	26-12- 0	26-12- 0	51
23	The purpose of Human existence and ps to achieve withHeartfulness	Mr.V.RamakrishnaM.Tech(IITKGP)He alnessTrainer	16-01- 0	16-01- 0	70
24	Weareislandswithinourselves	Mr. M. Ravikumar,CharteredAccounts	23- 2021	23- 2021	56
25	EvolutionthroughHeartfulness	Mr.N.V.KrishnaRao ZonalCoordinator,HeartfulnessInstitute, angana	30-01- 1	30-01- 1	63
26	Tolivebestversionofyour life	SriT.V.Ramana Dy.GeneralManager(Finance&Account TheSingareniCollieriesCompanyLtd.,M guru	06-02- 1	06-02- 1	54



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27	Meditation as a tool from conflict to coherence	Dr.K.Sirisha Family physician and diabetologist, Omega Clinics, Kukatpally, Hyderabad	20-02-21	20-02-21	66
28	Emotional Intelligence	Capt. Vineet Singh Ranawat Ashram Manager, Kanhashanti Vm, Global HQ of Heartfulness	06-03-21	06-03-21	71
29	Change your thought – change your destiny	Dr. Mettu Pradeep Reddy, Professor in Paediatrics, Malla Reddy Medical College for women, Suraram, Hyderabad	20-03-21	20-03-21	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	21.06.20	25.06.202	264



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		Manager Canara Bank , Heartfulness Trainer Ms. Veeravalli Bindu, International Yoga Practitioner and Trainer, III Year 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, Pediatric, 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



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5	Understanding Purpose of the Hassles Free Living	Mr.V.Rama Krishna, Heartfulness Trainer	28-02-2020	28-02-2020	65
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.SivaPrasad, Professor, Nal laMalla 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



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11	Meditation in Decision-Making	Mr.D.Ananth, Educationalist and Heartfulness Trainer	10-04-2020	10-04-2020	84
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



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19	Peace and Sleep Coordination	Dr.M.Pradeep Reddy, Professor,Pediatrics, Malla Reddy Medical College for Women,Hyderabad and Heartfulness Trainer	05-06-2020	05-06-2020	79
20	Stress Management by Meditation Practices	Sri.T.V.Ramana, Dy General Manager, The SinagareniCollaries 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 Beginners	Dr.P.V.S.SivaPrasad,Professor,Nal laMalla 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 University	26 th September 2018	5 th September 2018	67



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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.SatyanarayanaRedyy, 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 Heartfulness Trainer	15 th August 2018	15 th August 2018	91
12	How Habits change Destiny	Sri.T.V.Ramana, Dy General Manager, The SinagareniCollaries and Heartfulness Trainer	8 th August 2018	8 th August 2018	94
13	Anti-Ragging Awareness	Samshabad zone DCP Ms.Padmaja	28 th July 2018	28 th July 2018	88



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	Program and Haritha-Haaram,	Reddy, Moinabad CI Mr. Venkateswarlu and SI Mr.Mahendranath			
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

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



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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.SivaPrasad,Professor,NallaMalla Reddy College and Heartfulness Trainer	27 th September	27 th September	87
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



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DEPARTMENT OF INFORMATION TECHNOLOGY

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.
- 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
2020-2021			
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



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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.	5 th September 2021	Teachers Day	VJIT NSS
8.	4 th September 2021	'National Wild Life Day'	VJIT NSS
9.	15 th August 2021	'Independence Day Celebrations'	VJIT NSS
10.	24 th July 2021	Haritha Haram-2021	VJIT NSS
11.	19 th July 2021	Ergonomics	VJIT NSS & Dr. Reddy's Foundation for Health Education
12.	15 th July 2021	Anthakshari (A Faculty Recreation Program)	VJIT NSS
13.	10 th July 2021	Awareness program on Cyber Crime	VJIT NSS & VJIT Women Empowerment Cell
14.	29 th June 2021	Pandemics, Immunity & Immunization	VJIT NSS & Dr. Reddy's Foundation for Health Education
15.	21 st June 2021	International Yoga Day Celebrations	VJIT NSS
16.	20 th June 2021	International Father's Day	VJIT NSS
17.	16 th June 2021	Covid-19 Vaccination drive	VJIT NSS & Anurag University
18.	12 th June 2021	World Day Against Child Labour	VJIT NSS
19.	25 th May 2021	Revised Guidelines for Prevention and Management of Covid-19	VJIT (VJIT NSS & Dr. Reddy's Foundation for Health Education)
20.	11 th May 2021	Managing High Blood Pressure (HYPER TENSION) during these challenging times	VJIT (VJIT NSS & Dr. Reddy's Foundation for Health Education)
21.	6 th May 2021	SWACHATHA	VJIT (VJIT NSS, VJIT REDC &



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22.	5 th May 2021	Nutrition Care- During and post COVID	VJIT (VJIT NSS & Dr. Reddy's Foundation for Health Education)
23.	12 th April 2021	Discussions with Sarpanch of Aziznagar Village on Empowering Rural Women	VJIT (VJIT NSS) & AZIZNAGAR
24.	9 th April 2021	Survey conducted on Income Generation of Women in Aziznagar Village	VJIT NSS & VJIT WEC
25.	8 th March 2021	International Women's Day Celebrations	VJIT NSS, VJIT WEC
26.	8 th March 2021	2K Run in Support of Women in Farming	VJIT NSS, VJIT WEC
27.	6 th March 2021	Virtual Discussion on POSH	VJIT NSS, VJIT WEC
28.	29 th & 30 th January	Rural Entrepreneurship Awareness Program	VJIT NSS, VJIT REDC
29.	8 th January 2021	Rangoli Competition	VJIT NSS & Yukthi
30.	6 th January 2021	Rural Entrepreneurship Awareness Program	VJIT NSS, VJIT REDC
31.	26 th November 2020	Webinar on Constitution Day	VJIT NSS
32.	16 th October 2020	Bathukamma	VJIT NSS & Yukthi
33.	02 October 2020	Circular Economy	VJIT NSS
34.	15 th August 2020	Independence Day Celebrations	VJIT NSS
35.	21 st June 2020	International Yoga Day	VJIT NSS

S. No	Date	Event	Organized at
2019-2020			
1.	3 rd May 2020	COVID-19 Activity- 7 (Groceries Distribution)	Mokilathanda, 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



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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

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



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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 programme & Harithaharam	Vidya Jyothi Institute of Technology
7	21 st June 2018	Yoga day	Vidya Jyothi Institute of Technology
2017-2018			
1	3 rd February 2018	University level youth festival	Jawaharlal Nehru Technology University Hyderabad
2	26 th January 2018	Republic day celebrations	Aziznagar govt. school
3	26 th January 2018	NSS parade	Vidya Jyothi Institute of Technology
4	11 th January 2018	Wall of kindness	Vidya Jyothi Institute of Technology
5	11 th January 2018	Road safety awareness program	Vidya Jyothi Institute of Technology
6	11 th January 2018	NSS orientation day	Vidya Jyothi Institute of Technology
7	17 th August 2017	Women Empowerment – SHE TEAM	Vidya Jyothi Institute of Technology
8	15 th August 2017	Independence Day Celebrations	Rakshana Deepam Moinabad Mandal RR.
9	5 th August 2017	University Level Swachh Pakwada programme	Jawaharlal Nehru Technology University Hyderabad
10	29 th July 2017	Haritha Haram	Zilla Parishad High School Moinabad, Himayathnagar Village Moinabad
11	23 rd July 2017	Plantation Drive	Regulakunta Cheruvu, Deepthi Nagar, Miyapur, Hyderabad



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12	15 th July 2017	Lake Cleaning Drive	RegulakuntaCheruvu, Deepthi Nagar, Miyapur, Hyderabad
13	14 th July 2017	Haritha Haram – 2017	Vidya Jyothi Institute of Technology
14	1 st July 2017	Organ Donation Campaign	Shilapakala Vedika, Hitech City
15	21 st July 2017	International Yoga Day – 2017	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)	Mokilathanda, 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

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



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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.



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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, Himayathnagar Village Moinabad
2	23 rd July 2017	Plantation Drive	LIVE THE LAKE Initiative, SAHE and GHMC	RegulakuntaCheruvu, 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



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6	22 nd April 2017	Blood Donation Camp	Lions Club, Jubilee Hills	Vidya Jyothi Institute of Technology
2016-2017				
1	13 th April 2107	HITA Anniversary	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
2	12 th January 2017	Kite and Rangoli Festival	Yukthi	Vidya Jyothi Institute of Technology
3	9 th January 2017	New Year Thanks Giving Event	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
4	1 st January 2017	Blanket Distribution	Vidya Jyothi Institute of Technology	Banjarahills, Hyderabad
5	25 th December 2016	Thanksgiving Event at an Orphanage	Vidya Jyothi Institute of Technology	Mathruabhaya Foundation, Medipally Uppal
6	28 th October 2016	Eco-Friendly Diwali	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
7	29 th September 2016	Save Water Campaign	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
8	16 th August 2016	Donation of Clothes and Toys	Vidya Jyothi Institute of Technology	Shanti Nilayam, Bakaram Village, Moinabad Mandal.
9	11 th July 2016	Haritha Haram	Telangana Government	Vidya Jyothi Institute of Technology
10	8 th July 2016	Tree Plantation Program - Haritha Haram	Cyberabad Police Commisionerate, Vanguards	Cyberabad Police Commisionerate, Gachibowli



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11	24 th June to 18 th July 2016	Tree Plantation Program - Haritha Haram	Council for Green Revolution, Vanguard	20 Govt. & Private Schools Moinabadmandal
12	14 th June 2016	World Blood Donors Day – 2016	NandamuriTaraka Ramarao Trust	Hitech City, Hyderabad
13	10 th March 2016	Wealth out of waste	Vidya Jyothi Institute of Technology	Vidya Jyothi Institute of Technology
14	18 th February 2016	Visit to an Orphanage	Vidya Jyothi Institute of Technology	Shantinilayam, Bakaram
15	5 th January 2016	Chennai Flood Relief Program	Vazahi, Bangalore and Peace Welfare Society, Hyderabad	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.



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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	SiaraHomes, 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 electricals	Sanihithahomes, 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	Vathsalayahomes, Hyderabad
5.	28 th March 2020	Covid-19, Project-1	SanihithaHomes, secunderabad
6.	29 th November 2019	Installation of pipes, motor, water tank	SanihithaHomes, secunderabad
7.	29 th August 2019	Eco-Dantha	Aziznagar, Moinabad
2018-2019			
1	4 th August 2019	Day Spent in orphanage	Shanthi Nilayam, Moinabad
2	16 th June 2019	Day Spent in orphanage	Shanthi Nilayam, Moinabad



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3	15 th August 2018	Independence day celebrations	Shanthi Nilayam, Moinabad
4	18 th September 2018	Provided Printer	Shanthi Nilayam, Moinabad
2017-2018			
1	4 th to 10 th March 2018	Books donated to orphanage	Shanthi Nilayam, Moinabad
2	1 st April 2018	Run 4 Cause	People's plaza, Hyderabad
3	14 th January 2018	Hyderabad youth assembly	Carlton business school, Suryanagar colony, Somajiguda
4	24 th December 2017	Blanket distribution for old age people	Gudimalkapur, Mehdiapatnam, Hyderabad
5	21 st to 23 rd October 2017	A fund raiser box cricket tournament	Government college of physical Education Domalguda
6	22 nd October 2017	Pedal for a Cause 2.0	Hyderabad Bicycling Club, Necklace Road, Hyderabad
7	2 nd September 2017	Bucket Nimarjanam	Necklace Road, Hyderabad
8	27 th August 2017	Leadership is the capacity to translate vision into reality	Carlton Business School, Suryanagar colony, Somajiguda
2016-2017			
1	8 th April 2017	Impact Day	Hydershakote Village, Hyderabad
2	19 th January 2017	Clothes donations for differently abled	Nanal Nagar, Hyderabad
3	7 th January 2017	An effort towards cashless economy	Mehdiapatnam, Hyderabad
4	3 rd January 2017	Stress releasing techniques for retired residents	Chilkalguda, Secunderabad
5	2 nd January 2017	Clothing and Blanket Drive for Women	Vidya Jyothi Institute of



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			Technology& Mehdiapatnam
6	31 st December 2016	Reuse of plastic water bottles	Suncity, Bandlaguda, Hyderabad
7	6 th December 2016	Blanket Drive	Different Areas of Hyderabad
8	30 th October 2016	Women Empowerment	Nanal Nagar, Hyderabad
9	28 th October 2016	Home for the aged and disabled	Mehdiapatnam, Hyderabad
10	6 th October 2016	Women Empowerment	Radha Krishna Balika Bawan
11	3 rd October 2016	Career Guidance in orphanage	Bairagiguda, Suncity
12	2 nd October 2016	Public awareness program for stagnation of water and construction of bathukamma pond	Padma Rao Nagar, Secunderabad
13	30 th September 2016	Visit to the Home for the old and differently abled	Kinnera Welfare Society, Hyderabad

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



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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
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	Asritha Orphanage



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			Technology	
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 Hyderabad	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



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2018-2019				
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



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CULTIGATE

Cultigate - Start up started by **SanghishettyPraneeth** 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 CultigateFromVijayawada.Distibuted Groceries For Poor People.	Vijayawada, AP.
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



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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	VivekaVardhani 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.



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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 sharadhruthuvu 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, dubsplash contest, etc that are the current trends on the social networking media as of today. The facebook link is given below



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<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



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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
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

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



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			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	30 th June 2020	Dr. A. Govardhan, Rector,JNTUH



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	forward		
11	International Yoga Day	21 st to 23 rd June 2020	Dr.K.Indra Pavan , Dermatologist,Heartfulness Trainer, ,S.Kamakshi IL Executive Coach ,Life Coach ,Corporate Trainer
12	Research Methodology and good administrative skills (Webinar)	12 th June 2020	Dr. Pradeep kumarRamancharla, IIIT Registrar

Annual Events 2019-2020

S. No	Event	Date	Chief guest
1	Accelarating engineering Skills To Challenge the Covid19 Crisis Times	30 th May 2020	Dr,BVR Mohan Reddy Founder and Executive Chairman Cyientltd.Hyd
2	Transition Of Life:s Perspective after Covid19 impact(Webinar)	22 nd May2020	Padma Bhushan Dr,D.Nageshwarreddy Chairman & Chief of Gastroenterology AIG
3	Womens Day	7 th March 2020	Dr. Lakshmi RathnaMarakani, 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 TechnologyDr. 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



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			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 VJIT, 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 Disrupt Thinking-LLP
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



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S. No	Event	Date	Chief guest
1	Udhbav 19, Techno Cultural Fest.	2 nd April 2019	Dr.PratapsinhKakasaheb Desai President, Indian Society for Technical Education
2	Women's Day	8 th March 2019	Dr.ThishithaTej. 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.



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Annual Events 2018-2019

S. No	Event	Date	Chief guest
1	Udhbav 19, Techno Cultural Fest.	2 nd April 2019	Dr.PratapsinhKakasaheb Desai President, Indian Society for Technical Education
2	Women's Day	8 th March 2019	Dr.ThishithaTej. 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
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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.

Annual Events: 2017-2018

S. No	Event	Date	Chief guest
1	Women's Day	10 th March 2018	Ms.V.Harshitha, Director, Yenrol Lubex Pvt Ltd Ms.Alka Gupta ,Graphologist
2	Republic Day	26 th January 2018	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
3	Crescendo	24 th January 2018	Mr. Sri Krishna & Malavika (Singers)
4	Phoenix	23 rd to 24 th January 2018	Mr. Jitender Reddy (Member of Parliament - TRS Floor Leader)
5	Traditional day	21 st January 2018	Dr A. Padmaja (Principal Vidya Jyothi Institute of Technology)
6	Alumni Meet (Milan)	6 th January 2018	Dr.P.Rajeshwar Reddy, MLC Govt Whip Govt of Telangana, Correspondent & Secretary Vidya Jyothi Institute of Technology
7	Bathukamma	27 th September 2017	Dr A. Padmaja (Principal Vidya Jyothi Institute of Technology)
8	Engineers Day	15 th September 2017	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
9	Teachers Day	9 th September 2017	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of



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			Technology
10	Independence Day	15 th August 2017	Dr.P.Venu Gopal Reddy, Director, Vidya Jyothi Institute of Technology
11	Graduation Day	15 th July 2017	Dr.S.Ramachandram,VC,Osmania University, Hyderabad
12	Faculty Orientation Program	24 th June 2017	Prof. MLP Rao,Former prof, OU, Hyderabad Prof.Harish N Dixit, IIIT Hyderabad
13	International Yoga Day	21st June 2017	Dr.ALV Kumar Scientist, Nuclear Fuel Complex Hyderabad



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10 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (120)

10.1 ORGANIZATION, GOVERNANCE AND TRANSPARENCY (55)

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 Institutional Strategic Plan and its Effective Implementation and Monitoring (25)

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.



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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 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



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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 Focused on the above parameters during the years



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			2019-20:28.54 score 2020-21: 251-300 rank band
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: 	<p>Focused on the below initiatives</p> <ol style="list-style-type: none"> 1. MoE MIC Initiatives quarter wise initiated as per the calender 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



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		Tech Transfer and Commercialized 6. Total Expense towards innovation, IPR and Startup	
3.	NAAC	To get A+ Grade in NAAC	1. Action on NAAC PEER TEAM Comments 2. SSR Submitted and waiting for peer team visit
4.	NBA under Tier-1 for CSE,IT,ECE,EEE & Mech departments/NBA Civil Accreditation	1. To get Accreditation for Civil 2. To apply for Accreditation Under Tier-1 for CSE,IT,ECE,EEE and Mech Departments	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	1. Autonomous expert committee visit completed.
6.	Teaching and Learning Plan	1. Development of smart class rooms with state- of- art facilities 2. Use of more LCD and laptops in teaching and learning	1. Facilities have been increased. 2. LCD projectors are available in all the class rooms and Laboratories 3. Learning resources have been



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		3. Extensive use of online Teaching and Learning resources (INFLIBNET) 4. Teacher's skill enhancement through attending conferences and FDP's/STTP	increased. 4. Financial support provided for Teachers to enhance effective teaching skills.
7.	Curriculum Improvement	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	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.



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9.	Attract Funds for Research Projects	All departments need to apply for research proposals. And identify the sources for receiving funding	Applying for more funded research projects / proposals. 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	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	1. Encouraging more internal faculty members to pursue Ph.Ds 2. Recruiting more Ph.D'S	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	3. Focusing more on quality research papers. 4. As on 2021(September) 230 Scopus



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			<p>and 61 WoS publications are there.</p> <p>5. Target is to increase to 500 by 2025 as per the strategic plan of the departments.</p> <p>6. Publications in indexed journals: Financial support to teachers</p>
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 more patents. 4. To focus on the revenue generation.
14.	Quality Improvement Schemes Funding (AICTE/DST)	Applying for the schemes in AICTE AQIS and DST	<ol style="list-style-type: none"> 1. As on today total 9 projects granted with 59.80 lakhs from AICTE
15.	Incubator for	Applying for AICTE 'Technology Business	<ol style="list-style-type: none"> 1. Institute has recognized MSME –



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	Startups	Incubators' and 'Livelihood Business Incubators'	Incubation Center
		DST : Technology Business Incubators'	2. Data Ready
		DST : EDC funding	3. DST NIMAT funding received for 2 academic years
			4. Plan has been initiated to apply for more schemes
16.	Placements Quality Improvement	1. To target for placement drives, only for an Annual Salary Package of 3 lakhs and above	1. Necessary measures have been initiated to improve average salary package.
		2. To enhance the Technical/Coding skills in students	2. Training plan initiated to improve coding skills
		3. Professional Communication Skills	
		4. Core Companies plan	
17.	Green Audit	1. Procedure for Green Audit	Implementation of Green Initiatives
		2. Activities under Green Campus	1. Rainwater Harvesting Pits
		3. Plastic free campus	2. Solid Waste Water Management
			3. Conducting Green Landscape Audit, Carbon footprint & Energy Audit, and Environmental Audit every academic year
18.	Energy Audit	1. Energy Audit Recommendation	1. Conducting Internal & External



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		2. Electricity Bill Analysis 3. Use of Solar Power PV and analysis (No. of units reduction)	Energy audits annually
19.	Internal and External Academic Audit	Internal and external academic audit every academic year at the end of 2 nd semester	Initiated and implementation every academic 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.	EnhanceEngagemen twithSocietyandInd ustry Industry Institute Cell	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	1. Department wise IIC Coordinators to strengthen IIC 2. Signing MoU's with Industries 3. Establish more Center Of Excellences
22.	Enhance alumniengagement	More interactions with alumni	More interactive sessions and also include senior alumni in BoG/IQAC/Academic council as members



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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 needs2. NIRF Ranking3. ARIIA Ranking4. Placements quality improvement/average salary package enhancement5. NBA Civil Department6. To get good score and grade in NAAC.
2.	2021-22	<ol style="list-style-type: none">1. Curriculum Improvement2. 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



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3.	2022-23	1. Consultancy revenue generation on small projects 2. Start Ups/Incubation facilities
4.	2023-24	1. Industry driven Courses 2. Towards Patents revenue generation 3. 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 meeting; attendance there in, 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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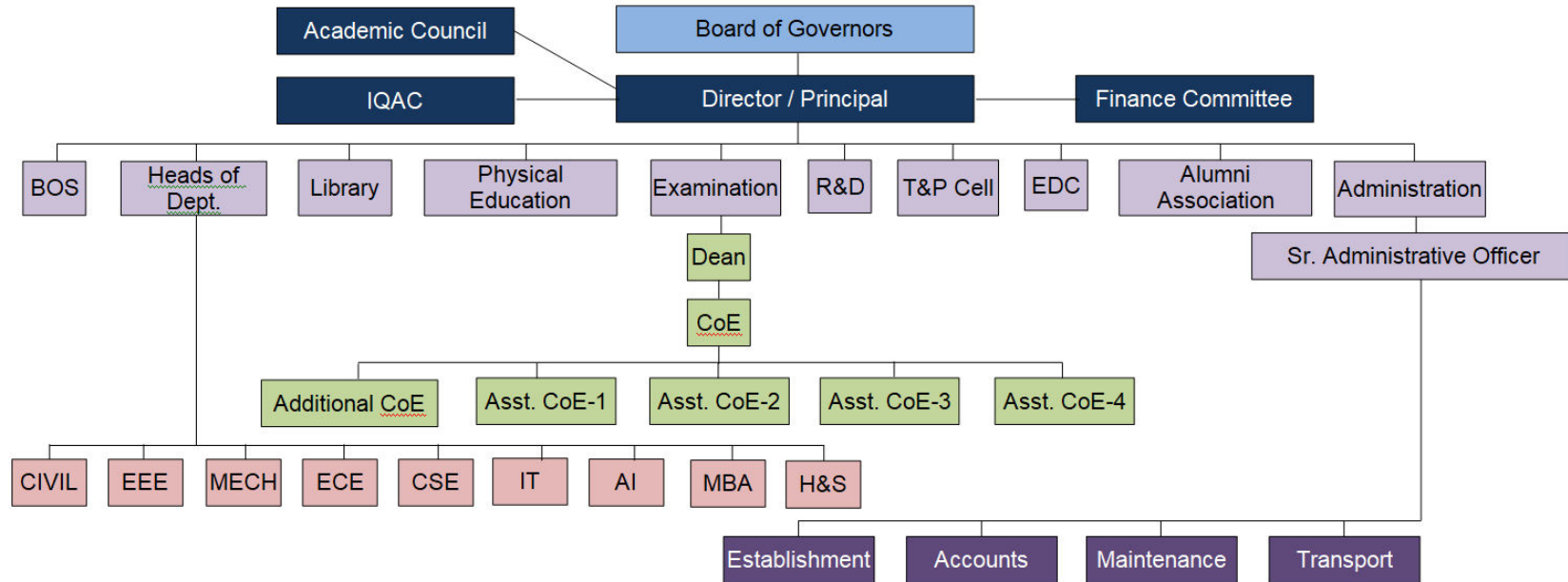
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Organization Chart





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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,



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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;



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- 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



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Members of the Trust/ Society/ Management:			
2	Dr. P. Rajeshwar Reddy	MLC, Govt. Whip., M.Sc., Ph.D Secretary & Correspondent of VJES	Member
3	Mr Krishna 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:			
6	Dr. P. Venugopal Reddy	M.Sc., Ph.D., 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			



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9	Dr. Balaji Utla	CEC, Chairman	Member
One Nominee of the University to which the Institute of affiliated:			
10	Dr K Ramamohan Reddy	Prof of Water Resources & Director I/C,UAAC,JNTUH	Member
Two Faculty members of the Institution:			
11	Dr. B. Vijaya Kumar	M.Tech., Ph.D., HoD & Professor of CSE	Member
12	Dr. V.V. Satyanarayana	M.Tech., Ph.D., IQAC Head Professor of Mech. Engg.	Member
Head of the Institution, Ex-officio			
13	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.

- 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.



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- 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



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	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)
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



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			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 (Alunmi)
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



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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



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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



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- 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 (5)

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.



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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.Venkata Chalam	Member
4.	Dr. B.Sathyanarayana Reddy	Member
5.	Mr M Rajendra Prasad	Member



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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/ Compliant 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



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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
9.	Mr M Rajendra Prasad HOD (H&S)	Member

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



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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.



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- 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. Sreeram Reddy	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

10.1.5 Delegation of financial Powers (5)

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.



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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 Rs 50 lakhs
Finance Committee	Rs 5 lakhs to Rs 50 lakhs
Director	Rs 5,00,000/- lakhs
HOD's	Rs10,000/-

10.1.6 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.



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10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (15)

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



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Table 2: CFYm1 2019-20

Total Income:42,82,50,292.00				Actual Expenditure: 43,01,57,933.00			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,	Expenditure per student



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						specify	
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 : 39,35,49,603				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



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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	28,00,00,00 0	27,54,30,74 7	28,00,00,00 0	27,40,52,81 3	23,00,00,00 0	22,79,35,99 7	25,00,00,00 0	24,86,15,01 3
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	45,04,00,00 0	43,12,60,99 1	44,83,00,00 0	43,01,57,93 4	41,98,20,00 0	40,88,28,48 5	40,20,00,00 0	39,67,36,36 2



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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 be 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 (5)

(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.



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The details of budget allocation, sanction and expenditure statement of last 3 years as shown in 10.2.

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)

CFY_{m1} -- 2019 –20 Yes URL..... [www. vjit.ac.in](http://www.vjit.ac.in)

CFY_{m2} -- 2018 - 2019 Yes URL..... [www. vjit.ac.in](http://www.vjit.ac.in)

CFY_{m3} -- 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)

CFY_{m1} -- 2019 –20 (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 For CFYm 2020-21

Total Budget	2370000.00	Actual Expenditure	2167943.50	No. of Students	Expenditure Per Student
Non recurring	Recurring	Non recurring	Recurring	309	7016.00



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1700000.00	670000.00	1597422.00	570521.50		
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Table :2 For CFYm1 2019-20

Total Budget		Actual Expenditure		No. of Students	Expenditure Per Student
Non recurring	Recurring	Non recurring	Recurring	186	5760.70
45000.00	1140000.00	38663.00	1032827.00		

Table :3 For CFYm2 2018-19

Total Budget		Actual Expenditure		No. of Students	Expenditure Per Student
Non recurring	Recurring	Non recurring	Recurring	180	20506.20
2815000.00	1080000.00	2633881.00	1057234.75		



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Table :4 For CFYm3 2017-18					
Total Budget	1596000.00	Actual Expenditure	1398437.75	No. of Students	Expenditure Per Student
Non recurring	Recurring	Non recurring	Recurring	172	8130.45
710000.00	886000.00	524946.75	873491.00		

Department Consolidated Budget

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	1400000.00	1327422.00			2500000.00	2407490.25	300000.00	296930.50
Software			20000.00	19600.00	180000.00	172701.75	230000.00	217389.25
Laboratory consumables	130000.00	92500.00	110000.00	45725.75	240000.00	238997.50	90000.00	83749.00
Maintenance and spares	70000.00	37500.00	50000.00	27283.75	50000.00	38677.50	45000.00	44183.25
R&D	300000.00	270000.00	25000.00	19063.00	135000.00	53689.00	180000.00	10627.00



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

Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

DEPARTMENT OF INFORMATION TECHNOLOGY

Training and Travel	220000.00	203484.00	730000.00	720245.00	520000.00	514850.00	511000.00	510020.00
Miscellaneous expenses	250000.00	237037.50	250000.00	239572.50	270000.00	264709.75	240000.00	235538.75
Total	2370000.00	2167943.50	1185000.00	1071490.00	3895000.00	3691115.75	1596000.00	1398437.75

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)



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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)

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

INFLIBNET N-LIST, NDL or other similar membership - Yes

Archives- 1665



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Number of titles: 7009 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

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

- Relevance of available learning resources including e-resources – Yes
- INFLIBNET N-LIST, NDL, NPTEL, DELNET, IEEE, ASCE & ASME.
- EBSCO E-Books
- IUCEE Webinar series



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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

Digital Library Information:

No. of Terminals	:	35
Server	:	Two Servers
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



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10.4.2 Internet (10)

Name of the Internet provider	Apollo Online Solutions , Pioneer Internet Services
Available band width	600 MBpS
WiFi availability	Yes
Internet access in labs, classrooms, library and offices of all Departments	Yes
Security arrangements	Yes



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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.



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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	Enhanced ability in applying mathematical abstraction and algorithmic design along with programming tools to solve complexity involved in efficient programming.
PSO2	Develop effective software skills and documentation ability for graduates to become Employable/ Higher studies/Entrepreneur/Researcher.



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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.M.Nagabhushana Rao Designation: Professor & HOD-IT Signature:  	Head of the Institute Name: Dr. A. Padmaja Designation: Principal Signature:   Seal of the Institution:
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Place: Hyderabad

Date: 19/2/2022.