



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

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

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

28 November 2018

To  
The Director,  
National Assessment and Accreditation Council (NAAC),  
Po Box No. 1075, Nagarbhavi,  
Bangalore 580 072

Dear Sir,

**Sub:-** Submission of Annual Quality Assurance Reports (**AQAR 2017-18**) in respect of  
Vidya Jyothi Institute of Technology (VJIT, Autonomous), Hyderabad – 500075.

## Preamble

Vidya Jyothi Institute of Technology (Autonomous) has been accredited by National Assessment and Accreditation Council (NAAC), with CGPA of 2.84 on four scales at B grade valid from 29/3/2016 for a period of 5 years.

## VJIT – IQAC

As per the guidelines of NAAC, an Internal Quality Assurance Cell (IQAC) has been constituted under the chairmanship of Dr. P. Venugopal Reddy, Director as a post accreditation quality sustenance and enhancement measure.

Dr C N Ravi, Professor, Department of Electrical and Electronics Engineering has been nominated as coordinator of IQAC.

The Institution has prepared the Annual Quality Assurance Reports **AQAR 2017-18** as per prescribed guidelines. The AQAR reports along with necessary enclosures are submitted herewith for your kind information.

With regards,

Name: Dr. C N Ravi, Professor/EEE

Signature of the Coordinator, IQAC

Name: Dr A. Padmaja

Signature of the Vice Chairperson, IQAC

Name: Dr P Venugopal Reddy

Signature of the Chairperson, IQAC





## **VIDYA JYOTHI INSTITUTE OF TECHNOLOGY**

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

Web site: <https://vjit.ac.in>  
e-mail: [principalvjit@vjit.ac.in](mailto:principalvjit@vjit.ac.in)

### **ANNUAL QUALITY ASSURANCE REPORT (2017-2018)**



**SUBMITTED TO  
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL  
(NAAC)  
BANGALORE – 560072**



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## Part – A

### 1. Details of the Institution

1.1 Name of the Institution

Vidya Jyothi Institute of  
Technology (An Autonomous  
Institute)

1.2 Address Line 1

Aziz Nagar Gate,

Address Line 2

C.B.Post

City/Town

Hyderabad

State

Telangana

Pin Code

500 075

Institution e-mail address

principalvjit@vjit.ac.in

Contact Nos.

9849554882

Name of the Head of the Institution:

Dr.A.Padmaja

Tel. No. with STD Code:

08413-235300

Mobile:

9849554882

Name of the IQAC Co-ordinator:

Dr. C.N. Ravi

Mobile:

9444425853

IQAC e-mail address:

coordinatoriqac@vjit.ac.in



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1.3 NAAC Track ID(For ex. MHCOGN 18879)

TSCOGN23883

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.  
This EC no. is available in the right corner- bottom  
of your institution's Accreditation Certificate)

F.19.26/EC(SC-14)/DO/2016/11.1/dt.23/04/16

1.5 Website address:

<https://vjit.ac.in>

Web-link of the AQAR:

<http://vjit.ac.in/news/aqar-2017-18/>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B	2.84	2016	up to March 28, 2021
2	2 <sup>nd</sup> Cycle	-	-	-	-
3	3 <sup>rd</sup> Cycle	-	-	-	-
4	4 <sup>th</sup> Cycle	-	-	-	-

1.7 Date of Establishment of IQAC : DD/MM/YYYY

09/09/2014

1.8 AQAR for the year (for example 2010-11)

2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

i. AQAR \_\_\_\_\_ 2016-17 \_\_\_\_\_ (23/08/2017)



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## 1.10 Institutional Status

University ☐ State ☐ Central ☐ Deemed ☐ Private ☐

Affiliated College Yes ☒ No ☐

Constituent College Yes ☐ No ☐

Autonomous college of UGC Yes ☒ No ☐

Regulatory Agency approved Institution Yes ☒ No ☐

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education ☒ Men ☐ Women ☐  
Urban ☐ Rural ☒ Tribal ☐

Financial Status Grant-in-aid UGC 2(f) ☒ UGC 12B ☒

| Grant-in-aid + Self Financing Totally Self-financing ☒

## 1.11 Type of Faculty/Programme

Arts ☐ Science ☐ Commerce ☐ Law ☐ PEI (Phys Edu) ☐  
TEI (Edu) ☐ Engineering ☒ Health Science ☐ Management ☒

Others (Specify)

## 1.12 Name of the Affiliating University (for the Colleges)

Jawaharlal Nehru  
Technological University  
Hyderabad, Hyderabad,



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1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

NA

Autonomy by State/Central Govt. / University

UGC New Delhi

University with Potential for Excellence

-

UGC-CPE

-

DST Star Scheme

-

UGC-CE

-

UGC-Special Assistance Programme

-

DST-FIST

-

UGC-Innovative PG programmes

-

Any other (Specify)

-

UGC-COP Programmes

-

## 2. IQAC Composition and Activities

2.1 No. of Teachers

8

2.2 No. of Administrative/Technical staff

3

2.3 No. of students

-

2.4 No. of Management representatives

1

2.5 No. of Alumni

-

2.6 No. of any other stakeholder and community representatives

-

2.7 No. of Employers/ Industrialists

1



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2.8 No. of other External Experts

1

2.9 Total No. of members

14

2.10 No. of IQAC meetings held

1

2.11 No. of meetings with various stakeholder No.

5

Faculty

03

Non-Teaching Staff

2

Students Alumni:

1

Others

1

2.12 Has IQAC received any funding from UGC during the year? Yes

-

No

✓

If yes, mention the amount

-

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.

10

International

-

National

-

State

1

Institution Level

9

(ii) Themes

Academics, Higher Education, Outcome based Education, Technical FDPs in department / faculty oriented programs

2.14 Significant Activities and contributions made by IQAC

IQAC has played a role of liaison between the college and media to share various information on academics. The faculty coordinators continuously update information and supply the same to IQAC at the Institution level.

IQAC objective has always been to improve academic performance of the institution and promote measures for institutional functioning towards quality enhancement.

- IQAC members discussed regarding applying for NBA reaccreditation
- Members discussed to introduce Choice based credit system
- Team also discussed about the open electives to be introduced in the curriculum for the third year students
- Improvement in teaching learning practices
- Usage of ICT tools
- Emphasis on Project based teaching methodology



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1. NBA expert team visit completed on for branches CSE,ECE,EEE,Mech& IT on April 20<sup>th</sup> to 22<sup>nd</sup> 2018. All 5 departments conferred accreditation status for 3 years 2018-19 to 2019-2021 i.e, upto 30<sup>th</sup> June 2021.
2. Contributing and monitoring to reach quality benchmarks set for the Institution.
3. Faculty members published paper on the topics of ICT in Education.
4. IIT Bombay remote center for faculty development programmes March 2018.
5. NPTEL Certifications : Around 40 faculty members out of which 2 faculty members from ECE stood as all India toppers.
6. Certified in CLAD Certification (NI LabVIEW)
7. ARM University certifications & Certified in PSOC semiconductors from Cypress semiconductors
8. Three faculty members are certified in CCNA course by CISCO Networking academy.
9. Use of ICT in Education for Online and blended learning conducted by IIT, Bombay from May 2nd to July 10th 2016 (NMEICT : MHRD)
10. Faculty as mentors for the FDP 101x & 201x conducted by IIT Bombay on ICT in education for blended learning
11. Foundation program in ICT for Education (FDP 101x) conducted by IIT Bombay from August 3 to September 7, 2017 PMMMNMTT (Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching), MHRD
12. Pedagogy for online and blended teaching-learning process (FDP201x) conducted by IIT Bombay from September 14 to October 12, 2017
13. Periodic monitoring of feedback from stakeholders for continuous improvement
14. More emphasis on Training and Placement
15. Regular audit mechanism for sustained quality
16. On timely basis up-gradation of Lab infrastructure to meet with the advanced technology across the departments
17. Encouraging Students for Industrial Visits/Internships
18. Maker Space is established with the intension of motivating students to provide solutions to the real world problems that every one come across in our daily life's. Institute provides necessary infrastructure to carry out their projects.
19. NI labview academy center of excellence and embedded system lab-ARM university program has been established. 30 faculty members have been trained. Different modules are introduced for students of 3rd and 4th year B.Tech students.
20. Dr Siddhartha Ghosh awarded Qlik Luminar of the year 2018 by Qlik USA
21. Dr. P. Ganesan received the Best Mentor Award for the Course titled “ Analog Communication” from NPTEL





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22. Two faculty members Ms Jayalakshmi athukari and Ms Annapurna Ganji from ECE secured top 2% and top 5% in the NPTEL exams for “Analog Communication” held during September 2017
23. Received a grant of Rs. 1 Lakh from DST - SERB for National Conference on RTBACC, Recent Trends in Bigdata Analytics and Cloud Computing 2017

## 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality Enhancement and the outcome achieved by the end of the year \*

Plan of Action	Achievements
Organised Quality Development Programmes	Programs on Assessment/Attainment, awareness on OBE are conducted.
Faculty Certifications	<ol style="list-style-type: none"> <li>1. NPTEL</li> <li>2. CLAD Certification</li> <li>3. ARM University Certification</li> <li>4. CCNA by CISCO Networking academy</li> </ol>
ICT in Education	<ul style="list-style-type: none"> <li>• Use of ICT in Education for Online and blended learning conducted by IIT, Bombay from May 2nd to July 10th 2016 (NMEICT : MHRD)</li> <li>• Faculty awarded award of Excellence in the FDP Use of ICT in Education for Online and blended learning conducted by IIT, Bombay from May 2nd to July 10th 2016 sponsored by SAP India Pvt. Ltd</li> <li>• Faculty as mentors for the FDP 101x &amp; 201x conducted by IIT Bombay on ICT in education for blended learning</li> <li>• Foundation program in ICT for Education (FDP 101x) conducted by IIT Bombay from August 3 to September 7, 2017 PMMMNTT (Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching), MHRD</li> <li>• Pedagogy for online and blended teaching-learning</li> </ul>
Curriculum & Instructional Innovations	Project Based Learning/Active learning strategies
Auditing of departments	Done across all the departments
Improvement in Research Publications	Increased number of quality papers



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Center Of Excellence : To strengthen ourselves in the Emerging areas of Technology we have established	<ul style="list-style-type: none"> <li>Established Center of Excellence in the field of Data analytics in collaboration with Qlik India, USA</li> <li>Center of Excellence in the field of Manufacturing is established in Collaboration with Lean Technocrats for Mech/EEE &amp; Civil</li> <li>Center of Excellence in Software Testing is being established in collaboration with Virtusa Polaris</li> <li>Established CISCO Networking Academy</li> <li>IoT Maker Space COE Lab to promote innovation and product development for CSE/IT/ECE students.</li> <li>R&amp;D Zonal Center in AI &amp; Deep Learning with Bennet Univeristy , Noida.</li> </ul>
To enhance number of Doctorate faculty	Number increased
Modernisation of seminar halls	Equipped with audio visual set up system
Proposal and plan to conduct National and International level seminars, conferences, workshops, symposiums and FDP'S	National conferences, Seminars, workshops and FDP'S conducted across all departments
Research Proposals	Faculty Members were encouraged to apply for research projects to various funding agencies
Plan for Industrial Visit	Visiting various industries
More number of community activities to be initiated	Community activities initiated through NSS,HITA and street cause
Practices to reform and improve the student's success rate.	Practices such as question banks, learning resources, regular assignments, remedial classes are implemented to improve academic pass percentage.
Encouraging students to go for higher studies	No. of students doing higher studies increased.
Feedback response from students, parents and other stakeholders on quality related institutional processes	preparing a review report on the feedback received from the stakeholders for continuous improvement
Encourage students to apply theoretical knowledge and come up with innovative projects	Mentoring and support given to the students by industrial experts
Strengthening Entrepreneurship cell	Number of lectures and activities conducted under entrepreneurship cell.
Sports and Cultural Activities	Students have actively participated in sports and cultural activities conducted by state/University/National & International and



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2.16 Whether the AQAR was placed in statutory body

Yes

☒

No

☐

Management

☒

Syndicate

☐

Any other body

☐

Provide the details of the action taken

Annual Quality Assurance Report (AQAR) specifying the plan of action for academic year 2017-18 (July 1, 2017 to June 30, 2018) was discussed and deliberated in the BOG committee, which would be useful in seeking approvals at the time of execution.

The management and IQAC members approved the AQAR after a detailed discussion.

Suggested to strengthen the placement, Industry Institution Interaction and research and consultancy activities. The follow-ups were done periodically through the HOD's meeting and other department level meetings.

The Management understands the importance of AQAR and would prepare AQAR every year and would be submitting to NAAC.



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## Criterion – I

### 1. Curricular Aspects

#### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	-	-	-	-
PG	6	-	6	-
UG	6	-	6	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others, <b>MBA</b>	1	-	1	-
<b>Total</b>	13	-	13	-

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options: Core/Elective option / Open options

(ii) Pattern of programmes: The Institution follows semester system for I, II,III& IV Years B.Tech and PG Courses.

Pattern	Number of programmes
Semester	✓
Trimester	-
Annual	-



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1.3 Feedback from stakeholders\* Alumni

☒

Parents

☒

Employers

☒

Students

☒

(On all aspects)

Mode of feedback : Online

☒

Manual

☒

Co-operating schools (for PEI)

☐

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes. The institute has conferred autonomous status in the year 2015-16. The syllabus has been designed course structure for all the programmes. The syllabus for the year 2017-18 has been approved by Board of studies. After BOS it will be approved by Academic council meeting. The major changes in the curriculum are

- Introduced Open Electives in all the UG Programmes
- Introduced Professional Communication course for II B.Tech CSE & IT
- Introduced Quantitative methods & logical reasoning course for III B.Tech EEE&ECE
- Introduced Personality Development and Behavioural Skills course for III B.Tech CIVIL, MECH & IT – I Semester

1.5 Any new Department/Centre introduced during the year. If yes, give details.

**Yes**

1. Centre for Big data & Cloud computing
2. Center of Excellence in NI LabView Academy , ARM university Programme, Cypress Semiconductors and CISCO Net working Academy
3. Center of Excellence in Data Analytics with Qlik India, USA
4. Center of Excellence in Software Testing with Virtusa
5. Center of Excellence in the field of Manufacturing with Lean Technocrats



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## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
345	252	65	28	-

2.2 No. of permanent faculty with Ph.D.

32

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
10	0	8	0	3	0	0	0	21	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	71	50	12
Presented papers	71	43	0
Resource Persons	11	05	01

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Teaching learning Practices are streamlined for the improvement of academic performance and holistic development of students. Institute has necessary infrastructure for quality teaching learning practices.

The various methodologies adapted are given in the

Efforts have been made to enhance the skills of faculty

1. NPTEL Certifications of faculty
2. ARM University certifications & certified in PSOC Semiconductors from Cypress semiconductors.
3. Faculty trained in Use of ICT in Education for Online and Blended Learning conducted by IIT Bombay
4. Faculty certified in CCNA course by CISCO Networking academy.
5. Faculty certified in pedagogy for online & blended teaching-learning process conducted by IIT Bombay from Sept 14 2017 to October 12, 2017.
6. Implementation of Project based learning and active learning strategies in the teaching process.



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2.7 Total No. of actual teaching days

180 days

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Bar Coding, Triple Valuation,

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

As member of Board of Study	Faculty	Curriculum Development workshop
42	63	-

2.10 Average percentage of attendance of students

Above 75 %

2.11 Course/Programme wise distribution of pass percentage:

Branch	Total	Passed	% Pass	Class		
				Distinction	First	Second
CIVIL	110	79	71.82	71.82	11	51
EEE	107	79	73.83	73.83	15	53
ME	230	167	72.61	72.61	26	105
ECE	228	177	77.63	77.63	43	100
CSE	202	159	78.71	78.71	23	110
IT	48	36	75.00	75.00	9	16



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## Post Graduate Courses

Branch	Total	Passed	% Pass	Class		
				Distinction	First	Second
CIVIL - SE	21	20	95.24	20	0	0
EEE - EPS	23	20	86.96	20	0	0
EEE - PEED	11	8	72.73	8	0	0
ME - CAD / CAM	11	6	54.55	6	0	0
ECE - ES	29	18	62.07	18	0	0
ECE - VLSI	29	19	65.52	19	0	0
CSE	23	15	65.22	15	0	0

Branch	Total	Passed	% Pass	Class		
				Distinction	First	Second
MBA	32	31	96.88	19	12	0

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- The IQAC effectively monitors and evaluates the teaching learning process learning process
- Academic audit of the departments
- Course files
- Workshops related to Outcome based Education
- Monitor the conduct of Internal assessment
- Monitor all curricular activities conducted by all departments
- Ensured enhancement and coordination among various activities of the institution and institutionalize all good practices
- Recommended subjects to bridge academic and industry
- Identify the Process for “Curriculum GAP ANALYSIS”.
- The key functional committees in implementing curriculum and reviewing of course/Programme outcomes assessment process:
  - ✓ Programme Assessment Committee (PAC)
  - ✓ Department Advisory Board (DAB)





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- Process of defining Vision and Mission of the Departments
- Process of defining PEO/PSO of the Department
- Set up process for Internal Semester question paper setting, evaluation and effective process implementation
- Blooms Taxonomy is followed while setting the internal exam question papers where the following strategy is applied
- Set up process to ensure questions from outcomes/learning level perspectives
- Document the evidence of COs coverage in class test/mid test
- Setting up quality of assignments and its relevance to COs

## 2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of Programmes	Number of faculty benefitted
Refresher courses	7	250
UGC – Faculty Improvement Programme	7	12
HRD programmes	8	91
Orientation programmes	3	120
Faculty exchange programme	1	1
Staff training conducted by the university	2	65
Staff training conducted by other institutions (FDP)	67	67
Summer / Winter schools, Workshops, etc.	3	7
No. of Certifications Completed by faculty	53	53
Others	4	26

## 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	112	-	5	-
Technical Staff	58	-	5	-



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## Criterion - III

### 3. Research, Consultancy and Extension

#### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

1. Research & Development centre is to encourage faculty and students to take up research activities. Applied for research centers under JNTU affiliating university.
2. Centre of excellence / Innovative labs/incubation centers.
3. Research committee has been constituted to monitor research activities of each department. Research coordinators of all departments will be meeting periodically to monitor the progress.
4. Continuous augmentation of laboratories with state of art equipment.
5. Supporting measures for patent filing.
6. Financial assistance to faculty for presenting technical papers in national/international conferences/seminars.
7. Deputation of faculty to participate in workshops/seminars and conferences.
8. Cash incentives for research publications in referred journals.
9. To document the evidence of papers published.
10. To establish Industry supported laboratories.
11. The faculty members are encouraged to submit research proposals to various research organizations/ public and private sectors to receive the research grants and promote research activities in the departments.
12. Students are taken to research labs like DRDO, RCI every year to interact with industrial experts.
13. The students are guided to present papers in the seminars and conferences, Paper publications.
14. The students are encouraged to take internship program during their semester break.
15. Departments have also employed various measures as detailed here under to promote research culture, research laboratories have been established.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	2	-	17
Outlay in Rs. Lakhs	95.15	95.93	-	-



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## 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	6	-	12
Outlay in Rs. (Lakhs)	-	19.06	-	-

## 3.4 Details on research publications

S.No	Department	2017-18
1	CSE	45
2	IT	10
3	ME	75
4	ECE	82
5	EEE	39
7	Civil	44
8	Humanities & Sciences	42
9	MBA	22

Year	Scopus	Web of Science	Science Citation Index	Google Scholar	UGC Approved Journals
2017-18	10	4	2	279	295

2017-18 (Break up of publications)	International	National	Others
Peer Review Journals	229	0	0
Non-Peer Review Journals	35	0	0
e-Journals	8	0	0
Conference proceedings	44	30	0

## 3.5 Details on Impact factor of publications:

Range	0.64 – 7.119	Average	4.6	h-index	5	Nos. in SCOPUS	10
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# Vidya Jyothi Institute of Technology

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

3.6 Research funds sanctioned and received from various funding agencies, industry and other organizations

3.7 No. of books published i) With ISBN No.

-

Chapters in Edited Books

7

ii) Without ISBN No.

-

S. No.	Faculty	Book Title	Publisher
1.	M. Rajendra Prasad	Nano Electronics Circuits and communications systems	System –Level Performance Analysis of Embedded Systems for GSM Applications 978-981-10-2998-1
2.	Dr. P. Ganesan	Communications in computer and information Sciences	1865-0929 CIELch Color Space based Satellite Image Segmentation using Soft Computing Techniques
3.	Dr.K.Vasanth	Innovations in Electronics and Communications	A Virtual Instrumentation Based Data Acquisition System for Vibration Monitoring and Analysis 978-981-10-3812-9
4.	Dr.K.Vasanth	Innovations in Electronics and Communications	Electroencephalograph (EEG) Based Emotion Recognition system 978-981-10-3812-9
5.	Mr.C.Sandeep	Innovations in Electronics and Communications	Embedded Method for hiding text in a image through key based system 978-981-10-3812-9
6.	Lavanya J	Innovations in Electronics and Communications	Automated security intrusion alert system for wide range of applications 978-981-10-3812-9

3.8 No. of University Departments receiving funds from

UGC-SAP

-

CAS

-

DST-FIST

-

DPE

-

DBT Scheme/funds

-



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3.9 For colleges      Autonomy      ☒      CPE      ☐      DBT Star Scheme      ☐  
                                  INSPIRE      ☒      CE      ☐      Any Other (specify)      ☐

3.10 Revenue generated through consultancy     

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	2	10	-	7
Sponsoring agencies	-	VJIT	VJIT	-	VJIT

3.12 No. of faculty served as experts, chairpersons or resource persons     

3.13 No. of collaborations      International            National            Any other     

3.14 No. of linkages created during this year     

3.15 Total budget for research for current year in lakhs :

From Funding agency            From Management of University/College        
     Total     

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	12
	Granted	Nil



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3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
Nil	Nil	Nil	Nil	Nil	Nil	Nil

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

11

37

3.19 No. of Ph.D. awarded by faculty from the Institution

2

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF

Nil

SRF

Nil

Project Fellows

Nil

Any other

Nil

3.21 No. of students Participated in NSS events:

University level

620

State level

90

National level

-

International level

Nil

3.22 No. of students participated in NCC events:

University level

Nil

State level

Nil

National level

Nil

International level

Nil

3.23 No. Of Awards won in NSS:

University level

9

State level

-

National level

-

International level

-



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3.24 No. of Awards won in NCC:

University level	-	State level	-
National level	-	International level	-

3.25 No. of Extension activities organized

University forum	-	College forum	6
NCC	-	NSS	16
Any other (HITA)			10

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- 10 lakhs from DST **Inspire Science camp** sanctioned to conduct 5 day event to Rural college Intermediate students to give awareness on Computers and its usage in Education. Conducted on November 11 2017 to 18<sup>th</sup> November 2017
- Under Swachaa Bharat scheme toilets have been constructed in Himayatnagar ZPHSchool.
- A separate **Wall of Kindness** has been created in the campus: Where the Institute faculty/students/staff contributed Clothes. This has been distributed to orphanage schools.
- On the eve of Republic day celebrations, distributed notebooks/exam pads and stationary to the students of Govt School, Aziz nagar.
- On 11th January 2018 at VJIT **Road safety awareness program** is conducted at VJIT. Mr. K. Prasad, ACP -Traffic, Gachibowli, addressed the gathering in the event.
- An awareness session on the importance of conserving the lakes by the theme "**LIVE THE LAKES**" at Regulakunta Cheruvu, Deepthi Nagar, Miyapur, Hyderabad on 23rd July 2017 along with the awareness a **plantation drive** was organized involving Sri Joggu Ramanna garu, Hon'ble Minister for Forest, Telangana and Local MLA, Mayor Bonthu Rammohan and other govt. officials inaugurated the event
- A **lake cleaning drive** was organized on 15th July 2017. Student Volunteers participated in the event to clean up the waste that was present in the lake. Three truck loads of plastic and muck removed along with GHMC help



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## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	10.31 Acres	-	Self	10.31 Acres
Class rooms	80	-	Self	80
Laboratories	70	-	Self	70
Seminar Halls	10	-	Self	10
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year. (EEE,Mech,ECE,Civil lab equipments)	-	-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	995.72	-	Tuition Fees	995.72
Others (Computers,furniture, softwares, extension of buildings,transformer, solar, Library books, Library e-journals & backup sytems etc.,	5184.46	3967.36	Tuition Fees	9151.82

#### 4.2 Computerization of administration and library

- Automatic generation of ID Cards
- EZ School administration for library and accounts
- Online fee payment
- Online registrations of open electives
- Learning management system for academic purpose
- DIGITAL LIB using DSPICE
- KOHA (for Library)
- BEES (Examination software Tool)





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## 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (in Rs.)	No.	Value (in Rs.)	No.	Value (in Rs.)
Text Books	35557	2121426	7141	3523032	42699	5644458
Reference Books	6264		269		6533	
e-Books	125000		-	-	125000	
Journals	101	750	-	-	101	
e-Journals	1077	1073175	-	1115432	1077	2188607
Digital Database	8736		-	-	8736	
CD & Video	1805		-	-	1805	
Others (specify)	-	-	-	-	-	-

## 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	933	14	64Mbps	2	1	-	-	-
Added	36	1	36Mbps	-	-	-	-	-
Total	970	15	100Mbps	2	1	-	-	-

## 4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

- Computers: 970
- Internet Speed: 100 mbps
- Provider: Apollo Online Services and Pioneer E-Labs, Hyderabad

## 4.6 Amount spent on maintenance in lakhs :

i) ICT

50.75

ii) Campus Infrastructure and facilities

627.22

iii) Equipments

19.20

iv) Others

712.87

**Total :**

1410.04



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## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

1. Induction programme for first year students.
2. Academic rules & regulations/syllabus booklets
3. Online video lectures NPTEL are made available in library and overall library infrastructure improved. Many e journals are procured for academic use.
4. Wifi enabled departments and administrative blocks
5. Mentoring system for continuous monitoring of the students
6. Website : Easily accessible upgraded through which students can access all the information he/she is looking for.
7. The institution has made provision to send bulk email and SMS to students
8. OBE Awareness through booklets on Vision/Mission/PO's/PEO'S and PSO'S and course outcomes
9. Student centric learning has been strengthened by measures like ICT enabled class rooms
10. Financial assistance to students to participate National/International conferences.
11. Encouraging students for online certifications in their field of interest.
12. Strengthening industry institute interaction.
13. Continuous assessment of students.
14. Encouraging students for higher studies and Entrepreneurship.
15. Conducting hackathons/Idea workshops for students.
16. Industrial Visits/Industrial tours in their domains.



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## 5.2 Efforts made by the institution for tracking the progression

1. Student centric learning has been strengthened by measures like ICT enabled class rooms
2. Learning resources to students
3. The institute provides access to open source nationally and internationally available online teaching and learning resources such as NPTEL lectures. The institute library has a portal which supports online databases including online public access catalogue(OPAC) which provides access to books catalogues ,Digital library which provides PDF of books/Question papers/Project reports/lab manuals/Faculty publications and etc.
4. Assessment strategies : measuring the academic progress of the students through internal assessment ,result analysis,attendance,laboratories and projects assessment.
5. Student feedback : The Institution conducts student feedback process every semester to improve teaching,infrastructure and the entire learning experience for the students during their graduation period.The college takes online feedback system to take feedback on teaching,course work and various academic activities. Every semester two feedbacks are taken.Based on the students feedback actions are taken.
6. Parent teacher interactions/Monitoring :Parents are informed about the progress of their wards and regularity to the classes. Respective class mentors monitors the students progress.
7. Academic audit :Regular academic audit on the programme.
8. Remedial Classes: Slow learners are identified and necessary measures are taken.The assigned mentors regularly assess the performance of the students.
9. Career development programmes for students.
10. Continuous monitoring the progress of the students.
11. Encouraging students to be part of professional bodies/Departmental clubs.
12. Department news letters

## 5.3 (a) Total Number of students

UG		PG		Ph.D		Others	Total	
Men	Women	Men	Women	Men	Women	-	Men	Women
3055	1017	178	144	0	0	0	3233	1161



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(b) No. of students outside the state

(c) No. of international students

Men	No	%	Women	No	%
	3233	73.57		1161	26.43

2016-17						2017-18					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1371	498	121	1961	-	3951	1418	580	243	2086	0	4327

Demand ratio : 1:20 Dropout % : Nil

## 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

1. The Library has provision for back volumes. Also, a good number of general books on literature and books useful for various competitive examinations are available in the library.
2. In house GATE coaching classes are conducted by both internal and external faculty.
3. In addition, the departments provide guidance to their students preparing for competitive examinations like CAT/GRE/TOEFL.
4. The college has sufficiently well stocked library books for CAT/GRE/ TOEFL

No. of students beneficiaries

## 5.5 No. of students qualified in these examinations

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-"/>	GATE	<input type="text" value="42"/>	CAT	<input type="text" value="-"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value="-"/>	PSC	<input type="text" value="-"/>	Others	<input type="text" value="-"/>



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## 5.6 Details of student counselling and career guidance

Students counselling is provided to all students and in a more intensive manner to those who are weak in academics.

**Mentoring process:** Mentoring is for overall development of the student. Counseling books are maintained by faculty wherein all the details of the students are recorded. The following details are maintained in the counseling book of each student:

- Personal information
- Past academic performance
- List of academic achievements
- Monthly attendance

The mentors meet the students periodically and monitor their performance and progress. Guidance regarding the lagging issues is provided. The following issues are taken care by each mentor

- Monitoring student regularity
- Monitoring student performance
- Personal counseling and career guidance

**Career guidance:** 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. Seminars and guest lectures are conducted throughout the year.

Certification courses : Students are encouraged to do certification courses.

- 100% CLAD Certification from NI Labview Academy to the trained students
- 100% ARM University program certification from ARM,Cambridge,UK to the trained students
- BEC Certification course
- CNC Programming
- NPTEL and other online courses

No. of students benefitted

All registered



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## 5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
38	680	259	93

## 5.8 Details of gender sensitization programmes

The Institution organizes programmes related to gender equity to sensitize the students and faculty. Special sessions on gender equality are also conducted. Gender equity is ensured by implementing the G.O's issued by the Government of Andhra Pradesh. The campus is characterized by cultural, racial, and gender diversity among faculty, staff, and students supported by practices and programs that embody the ideals of an open and democratic society.

## 5.9 Students Activities

### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level

120

National level

24

International level

03

No. of students participated in cultural events

State/ University level

70

National level

16

International level

01

### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level

35

National level

12

International level

02

Cultural: State/ University level

12

National level

05

International level

01



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## 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	-	-
Financial support from government	2125	90993200.00
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

## 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

## 5.12 No. of social initiatives undertaken by the students : 16

## 5.13 Major grievances of students (if any) redressed:

The Grievances and student concerns are promptly resolved by various grievance committees formed by the institution. The institute also constituted Grievance redressal committee for the purpose of redressal of grievances of students, parents and faculty members. The aggrieved students and others approach the convener of the Grievance redressal committee. The Committee after through enquiry submits the findings / recommendations to the Director. Based on the findings actions will be taken.



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## Criterion – VI

### 6. Governance, Leadership and Management

#### 6.1 State the Vision and Mission of the institution

##### 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-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.

#### 6.2 Does the Institution has a management Information System

YES

#### 6.3 Quality improvement strategies adopted by the institution for each of the following:

##### 6.3.1 Curriculum Development

- The curricula are drafted after several discussions, meetings and interactions with stakeholders. The curricula are approved by the academic council members.
- Several brain storming sessions are conducted both at department and institution level involving faculty, students, alumni, industry representatives, professional and academic experts.
- The curriculum prescribed by AICTE and various reputed Institutes and Universities curriculum have been referred in framing the syllabus.
- Keeping in view of outcome based education and also focusing on program outcomes syllabus has been framed.
- Course objectives have been specified in addition to the course code and other details.





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- The text books, reference books, e-books for each course have been listed.
- The curriculum components of the syllabus cover all relevant topics in all programs offered.
- Autonomy facilitated individual faculty to create innovative pedagogical tools and implementation the respective class rooms.
- The assessment criterion is based on the seminars, quizzes, assignments, Mid-examinations, Mini projects and term end examinations
- New syllabus was introduced for the B.Tech and the syllabus/curriculum has been finalized.
- Keeping the placement prospective two mandatory courses have been introduced in
  1. Professional communication in 2<sup>nd</sup> year
  2. Quantitative methods and logical reasoning (QLMR) in 3<sup>rd</sup> year
- Open elective have been introduced in 3<sup>rd</sup> and 4<sup>th</sup> year

## 6.3.2 Teaching and Learning

The following are some of the innovative processes adopted by the institution towards teaching & learning

- The institute strives to maintain the teaching-learning process student centric. Emphasis is laid more on practical aspects of the subjects. Seminars, projects, group discussions are organized at regular intervals to enhance the learning experience of students and hence bring about holistic development of students
- E-learning through NPTEL/ online videos and certification is encouraged.
- Personalized attention is given to each student by dividing them into small groups for projects and seminar work
- Individual guidance is also provided to each student during interaction of faculty mentors with the students
- Experts are also invited from leading academic organizations and from industry to guide the students in related field
- Lesson plan with course objectives and course outcomes are prepared by the subject handling faculty and is duly approved by the Head of the department.
- Teaching dairy's and course files are monitored.
- Adherence to Academic Calendar in each semester is monitored by the Head of the department and Departmental advisory board.



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- Adherence to Academic Calendar in each semester is monitored by the Head of the department and Departmental advisory board.
- Every faculty member prepares the course file. Course file contains lesson plan, syllabus, unit wise class material, Unit wise Assignment questions, and University question and award lists.
- Well structured lesson plans are prepared/ revised for all theory and practical courses on a period to period basis and are made available in the website for student's access.
- Laboratory manuals are prepared and are available in the Labs
- Review meetings are arranged periodically to review the coverage of syllabus.
- Active learning strategies TPS / Collaborative learning / Flipped class room are implemented by the faculty
- Project based learning
- Practicing outcome based education (OBE)
- Inter disciplinary student projects
- Progression of students continuously monitored
- Financial support to faculty to participate in International conferences
- Conduct External & Internal academic audits on a regular basis
- Classrooms are fitted with LCD Projectors

### 6.3.3 Examination and Evaluation

- Mid examinations/Assignments/Semester end examinations are framed keeping in view course outcomes and at different cognitive levels of blooms taxonomy.
- Evaluation for seminars, Mini projects and major projects is done according to the assessment rubrics framed.
- The college conducts two internal assessment tests during semester through a centralized examination cell.
- A tutorial plan is also prepared and followed for enhanced learning of the subjects.
- Examinations are conducted as per AUTONOMOUS regulation-i.e., the question papers are set for 3 hours duration, and 75 marks
- End semester question paper setting is done by external subject experts short listed by the chief controller of examination.
- End semester evaluation is done by external subject experts.



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## 6.3.4 Research and Development

- Providing incentives for publishing research papers in referred journals with impact factor.
- Incentive for acquiring Ph.D degree during service
- Sponsorship to attend International and National conferences
- Exclusive R&D committee is created to monitor the quality of publications and norms have been internally framed for quality paper publications.
- Motivation and guidance is provided to publish research papers in National and International reputed Journals.
- We have Institutional membership with National Digital Library.
- Signed MoUs with R&D Organizations / Industries.
- Research Centers are established by each department to ignite the tender minds of the young engineers and faculty to promote thought provoking process and research thinking.
- All departments are encouraged to file patent in their respective field of expertise.
- Around 11 faculty members are guiding 37 research students in various reputed institute.
- 7 patents have been filed during the academic year 2017-18.

## 6.3.5 Library, ICT and physical infrastructure / instrumentation

- Library automation is done through KOHA.
- Using OPAC the users can search for the availability of books, text books, DC-ROMs & project reports. Latest arrival and the details of library books borrowed and renewable through intranet.
- A wide range of e-books, e-journals are available in library for effective learning of students.
- Library is fully automated and digitalized in this academic year.
- Faculty & students enrolled for National digital library.
- The College Library is well equipped with an excellent infrastructure and spacious accommodation with newly added books of 11,354 in this academic year and totally the library is equipped with 46,911 books.
- 101 National & International Journals are subscribed during the academic year.
- E-journals data base with IEEE, Springer, ASME & ASCE, DELNET & Nlist.



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## New Constructions

In order to improve the available facilities and to create better academic environment in the college, every effort is made to improve the infra structural facilities.

- D block for ECE & first year students have been constructed.
- Separate building for mechanical workshop and laboratories is constructed.

## IT Infrastructure

- New computer systems in place of older ones and additional new equipment in many labs is procured for the benefit of student community
- wifi connection in the campus 100 MBPS, Access in labs, classrooms, library and administrative block
- Microsoft Desktop Education All License/Software Assurance Pack Academic: 50 No.
- Antivirus quick heal : 30 systems
- 150 DEL i3 Systems procured to cater the requirement of laboratories

### 6.3.6 Human Resource Management

- Before commencement of every academic year the faculty and staff requirements are assessed and the vacancies are advertised in leading news papers and also through website
- Duly constituted selection committees recruit the faculty and staff
- The faculty and staff requirements are assessed based on the workload as per the AICTE norms
- Effective system of performance appraisal through annual performance reports
- Regular feedback system and counseling
- Quality enhancement measures like deputing faculty to FDP'S in their respective domains
- Gymnasium is provided to the staff members
- Every year the institution gives Best Teacher and best non-teaching employee awards.



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## **6.3.7 Faculty and Staff recruitment**

- Recruitment of faculty and staff are being made as per rules and norms of University & AICTE.
- The College advertises about the requirement of the faculty in the news papers (Regional and National) and conducts interviews by inviting the subject experts from affiliating University (JNTUH) and internal senior faculty

## **6.3.8 Industry Interaction / Collaboration**

Institute accomplishes the number of activities and facilitates industry interaction in various ways.

- Institute has number of MoUs with industry and other institutions.
- Institute has number of student chapters of professional societies relevant to the various disciplines.
- The collaboration is focussed on Industrial training, Curriculum development, Student projects, Internships, Technical workshops, Industrial visits, Hackathons, Career Guidance, Guest lectures etc.

## **6.3.9 Admission of Students**

The College follows the guidelines given by Telangana State Council of Higher Education (TSCHE), Government of Telangana in the admission process.

Admissions for B.Tech, M.Tech and MBA are made as per G.O.Ms.No.59, TSEAMCET-These remaining unfilled from the above shall be filled with eligible candidates, who have qualified the TSEAMCET examination on merit basis following eligibility criteria laid in rule (4) of G.O's.74 &75, Dated 28.07.2011.

Criteria followed for A-Category (Convener Quota) admissions:

- First B.Tech– EAMCET Ranks
- M.Tech - GATE / PGECET Ranks
- MBA –ICET Ranks

B-Category (Management Quota) admissions: Criteria followed for admission in to the B-Category seats is as follows



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## Eligibility Criteria for admissions (Category B Seats) and order of merit:

- (i)NRI-The institutions that are approved by All India Council for Technical Education and permitted to fill NRI seats not exceeding 15% of the sanctioned intake in each course for the academic year shall admit NRI candidates (sons and daughters of NRIs) who have passed the qualifying examination with not less than 50% marks in the prescribed group subjects or 50% aggregate marks in the qualifying examination or Cumulative Grade Point Average (CGPA) equivalent to 5 on a scale of 10.  
(Non Resident Indian (NRI) candidate means a candidate born to apparent of Indian origin residing outside the country and who has passed the qualifying examination or its equivalent)
- (ii)JEE(Mains)-The remaining seats shall be filled on merit basis with candidates including from other States and Union territories who have given. All India rank at JEE (Mains) and secured not less than 45% of marks in the prescribed group subjects in the qualifying examination.
- (iii)TSEAMCET-The seats remaining unfilled from the above shall be filled with eligible candidates, who have qualified the TSEAMCET examination on merit basis following eligibility criteria laid in rule (4) of G.O's.74 &75, Dated 28.07.2011.
- (iv)Thereafter, if any seats still remain unfilled such seats may be filled on merit basis with candidates securing not less than 45% (40% in case of candidates belonging to reserved categories) of marks in the prescribed group subjects taken together / aggregate marks in the qualifying examinations, as prescribed.

### ***6.4 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.
- ❖ Special incentive increments will be sanctioned on completion of 5 yrs service in the same cadre.
- ❖ If a teacher gets a minimum API Score of 40, normal increment will be sanctioned.
- ❖ If a teacher gets API Score between 60 to 80, an additional incentive increment of Rs. 1000/- will be sanctioned.



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- ❖ If a teacher gets API Score of 80 and above, an extra amount of Rs. 2000/-, will be sanctioned.
- ❖ Professional Society Life Membership Fee - 50% (Maximum of One Professional Society per staff member).
- ❖ 50% of T.A will be paid by the Management for Faculty with minimum of three years of service at the Institution for attending the International Conferences.
- ❖ For Accredited departments with 3 years Accreditation – Faculty are given an incentive of onetime cash award of Rs. 5000/- each and supporting staff members Rs. 300/-.
- ❖ Best Teacher award is presented to eligible teachers every year on the eve of Teachers' day celebrations.
- ❖ On faculty request financial advances are provided and recovery will be made in 10 monthly instalments.
- ❖ Health Insurance is provided to staff members who have put in three years of service.
- ❖ Maternity leave

## Non Teaching Staff Members:

- ❖ Supporting staff members are provided with free computing skill programs.
- ❖ They can avail fees and on-duties towards higher education against service agreements.
- ❖ EPF facility is provided to all eligible non teaching staff members.
- ❖ ESI facility is implemented to all eligible members.
- ❖ Additional increments are sanctioned recognizing their commitment towards their duties.
- ❖ One additional incentive increments will be sanctioned on completion of 10 years and 15 years of service in the same cadre.
- ❖ On staff request financial advances are provided and recovery will be made in 10 monthly installments.
- ❖ Health Insurance is provided to staff members who have put in three years of service.
- ❖ For Accredited departments with 3 years Accreditation - supporting staff members Rs. 2000/- each.

## Students:

- ❖ The Management is pleased to announce the following incentives and rewards to the students.
- ❖ For paper presentation at international conference outside the country 200\$.
- ❖ For paper presentation at International conference in reputed institutions such as IIMs, NITs and Universities etc 100% TA, 100% Registration Fee will be paid.





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- ❖ College First, Second and Third toppers are awarded Gold Medal, Silver Medal and Bronze Medal respectively.
- ❖ Branch First, Second and Third toppers are awarded Gold Medal, Silver Medal and Bronze Medal respectively.
- ❖ Branch best project award is Rs. 1000/- cash award.
- ❖ Best performance award in sports for first and second for Rs. 2000/- and Rs. 1000/- cash is given.
- ❖ Best performance award in Cultural activities for first and second for Rs. 2000/- and Rs. 1000/- cash is given.
- ❖ 50% of Professional Society Fees (annual) will be paid by Management for students.
- ❖ There will be free personality development, entrepreneurship, ethics, communications skill, computing skills, and placement specific programs for students.
- ❖ Free and subsidized add on skill programs as per industries requirements.

**6.5 Total corpus fund generated:** Rupees 5,61,000/-

**6.6 Whether annual financial audit has been done:** Yes

**6.7 Whether Academic and Administrative Audit (AAA) has been done?**

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Appointed by committee	Yes	Academic Committee /IQAC
Administrative	Yes	Appointed by committee	Yes	IQAC

**6.8 Does the University / Autonomous College declares results within 30 days?**

For UG Programmes: Yes

For PG Programmes: Yes

**6.9 What efforts are made by the university/Autonomous college for examination reforms?**

Examination / Evaluation Reforms initiated by the Institution (for example: Bar Coding, Double Valuation, photocopy, Online Multiple Choice Questions)

- Barcode System for coding and decoding of scripts
- CGPA System is used for the award of division





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- c) The College Publishes the Rules and Regulation for all Programmes. In addition to academic rules and regulations, the regulations governing examination, evaluation and mal-practice etc, have been manifested.
- d) The college conducted regular orientation and awareness programs on rules & regulations of examinations for the benefit of students.
- e) The institution continues to adopt improved examination processes.
- f) Examination Reform

Evaluation of Semester End Examinations :

- Set of question paper(s) will be invited from External Examiners.
- One set of paper will be selected by Chief Controller of Examinations
- The papers are evaluated by External set of Examiners.
- The evaluated papers will be inspected and scrutinized by committee of members constituting of Assistant Controller of examinations (Nominated by affiliating university JNTU) and result committee members
- The students are an opportunity to apply for the Recounting/Revaluation (of each course except Lab Practical's).
- This process will happen immediately after the announcement of provisional results.
- A student aggrieved by the marks awarded to him/her can appeal in this regard.

## **6.10 What efforts are made by the University to promote autonomy in the affiliated / constituent colleges?**

Not Applicable. Our institution is an autonomous institution.

## **6.11 Activities and support from the Alumni Association**

- The VJIT Alumni Association is registered in December 2010 in order to fulfill the long felt need for a formal forum and the cherished desires of its alumni. It is registered as a society with Regd.No.1402 of 2010. The website for the same is Website: <https://vjit.ac.in/alumni>
- The members of college administration and the senior faculty of all the departments participate in the annual or semi-annual alumni meetings on invitation and seek their advice and support for the development of the institution
- The departments seek the opinion/suggestions of alumni on various developmental activities
- The alumni association encourages their juniors by extending cash awards to meritorious poor students
- Annual meet of alumni is conduct every year and this year it celebrated on 6<sup>th</sup> January 2018.



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## 6.12 Activities and support from the Parent – Teacher Association

- At the time of admission, Institute organises one day long orientation programme in order to familiarise the new students with the academic programmes at VJIT, Rules and regulations, Discipline and about their campus life and co-curricular activities.
- Regular parents meetings are conducted department wise at least once in each semester
- Parents are involved in various activities of the department and institution.
- Parent's feedback is taken and relevant suggestions are incorporated

## 6.13 Development programmes for support staff

- Staff Development programs in communication skills
- Faculty members are encouraged to do certification program conducted by IIT Bombay.
- Institute organizes training programmes on a periodic basis for up gradation of skills and technical expertise
- Training on administrative software packages
- Encouraging to go for higher studies
- Staff members are given due recognition in the form of awards for their contribution to institutional building

## 6.14 Initiatives taken by the institution to make the campus eco-friendly

- Every year we have Harith haram plantation drives to increase the greenery with the replacement of deceased plants.
- Replacement of Window Air-Conditioners (ACs) with Split ACs.
- CFLs are used in small rooms and corridors along with tube lights.
- Classrooms and labs are designed in such a way that natural lighting and good ventilation are provided.
- LCD Monitors used for energy savings
- There is enough extent of plantation to reduce evaporative loss and soil erosion
- Rainwater harvesting is implemented in all buildings
- We have self-sufficient staff in house as well as through external housekeeping contractors for maintenance of landscape.
- Dustbins are placed in the corridors and open areas of the campus.
- Quotations related to saving environment are placed at various locations in the campus.
- The e-waste is sold from time to time to the local people for recycling. An awareness



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camp has been conducted for the collection of e-waste.

- Ban on use of plastic tea cups is propagated
- Students are motivated to travel in college buses/ RTC vehicles.
- College Cafeteria is a NO TO PLASTIC ZONE.



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## Criterion – VII

### 7. Innovations and Best Practices

**7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.**

- Mandatory courses for better placement in the industry is implemented for 2<sup>nd</sup> and 3<sup>rd</sup> year students
- Open elective subjects are implemented for 3<sup>rd</sup> and 4<sup>th</sup> year students, to enhance inter disciplinary engineering knowledge and project works.
- Innovative teaching methodologies are introduced in the class room
- Class rooms are enhanced to ICT enabled class rooms
- R & D labs of each department are strengthened.
- Center of excellence in emerging areas of technology.
- Faculty members and students are encouraged to do online certification courses to improve the technical skills
- Sending faculty to faculty development programmes in their respective domains / Encouraging faculty to register for Ph.D's
- Remedial classes for slow learners and bridge courses for lateral entry students are conducted.
- Incentives for publishing research papers in referred journals with impact factor. Sponsoring students and faculty for conferences
- Lectures by alumni in current trends / Technology for enhancing skills

**7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year**

The details of action taken report (ATR) on the plan of action are provided at 2.15 above. It may also be noted the BOG has approved the plan. The Vision and Mission, short term and long term goals have been duly approved. BOG periodically monitors extent of compliance of strategic plan in all aspects including financial management.

Activity Planned	Status of Activity / Action Taken
Academic Schedule	Implemented as per the schedule
Course delivery in all the departments	Completed as per the lecture schedules
Teaching Learning process	Improved/Implemented Innovative



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Activity Planned	Status of Activity / Action Taken
	teaching methodologies
Setting of center of excellence	Established
Enhancement of the quality of research to publish papers in SCI/Scopus indexed journals	Quality of research paper is increased
Enhanced usage of ICT Tools	Faculty trained/Usage of tools in class rooms
Workshops/Seminars/Guest Lecturers/ Training programs	Conducted as per the planned
Sending applications for Research funding	Proposals are submitted
Practices to reform and improve the student's success rate.	Implemented practices to improve the success rate
Infrastructural Facilities	Increased in all the departments
Strengthening Pre Placement training	Implemented

## 7.3 Give two Best Practices of the institution (please see the format in the NAAC Self-study Manuals)

Best Practice I: Strengthening of industry and institute collaboration

Best Practice II: ICT usage in Engineering Education

## 7.4 Contributions to Environmental awareness/Protection

The institution has always been a keen contributor towards protecting the environment the institution organizes various awareness camps to promote the involvement of the students and faculty community. In this academic year, the Institution has organized camps for

- Road safety awareness program
- University Level Swachh Pakwada Program
- Haritha Haram
- Lake Cleaning Drive
- Tree Plantation Program
- LED lamp usage
- Deployment of solar lighting
- Minimizing water wastage
- Rainwater harvesting
- Minimizing the use of paper



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**7.5 Whether environmental audit was conducted?** Yes

**7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)**

**Strengths:**

- Qualified and experienced faculty members
- Retention rate of faculty is very high.
- Strong learning resources
- A good number of campus placements.
- Curriculum as per the needs of the Industry
- Regularly conducting mock interviews, and inclusion of courses like communication skills, personality development and logical reasoning and aptitude in the curriculum under CBCS, thus improving overall placements.
- Students are encouraged for additional certification programs.
- Research Projects funded by Government Agencies DRDO and UGC.
- State of the art Infrastructural facilities.
- MOU's with Industries
- Strong and committed NSS team with good number of state and national awards.
- A good sports facility with many zonal and national achievements.

**Weaknesses:**

- Collaboration with premier research institution is in initiated state.
- Scope for improvement in industrial research and consultancy

**Opportunities:**

- Learning opportunities for faculty members through web based environment
- Preparing students for competitive examination like GATE, BEC, TOEFL, GMAT, etc.,
- Scope for student's project internship in industries and national laboratories



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- Encourage entrepreneurship development and skill development
- Encouragement of students for higher studies at leading Universities of abroad

## Threats:

- Increasing opportunities in IT enabled services affect the employment in core branches of engineering.
- Uncertainties in employment opportunities due to imbalanced development in various disciplines.

## 8. Plans of Institution/Department for next year

- Establishing JNTUH research center in the VJIT campus
- Encourage the faculty to apply Research Proposals for Research Grants from various funding agencies like DST/AICTE/UGC/DRDO/RCI etc.,.
- Motivate faculty to attend Seminars and Workshops, Conferences and publish papers in reputed journals.
- Motivate faculty to patent their research works
- Organizing department wise Conferences/ Seminars on Contemporary topics
- Effective monitoring of the attainment of Course outcomes, Programme outcomes and Programme educational objectives
- Collaboration with Industry and reputed Institutions.
- Strengthening of Networking and Computing Facilities
- Enhancing built up space as per the sanction intake
- Pre-placement training
- Targeting more core company placements for the core branches
- Strengthening career guidance cell
- Strengthening entrepreneur development cell
- Encourage student outreach participation in curricular and extracurricular programs

*Few Glimpses of Achievements and Activities are provided in Annexure*



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## Annexure – I

### Academic Calendar 2017 -2018

<http://vjit.ac.in/wp-content/uploads/2017/12/B.Tech-IIII-Year-Autonomous-Academic-Calendar-2017-18.pdf>



### Vidya Jyothi Institute of Technology (Autonomous)

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

#### II/III B.Tech II Semester Academic Calendar for the Academic Year 2017-2018

II/III YEAR II SEMESTER		Commencement of Class Work 11.12.2017	
I Spell of Instruction	11.12.2017	10.02.2018	9 Weeks
I Mid Examinations	12.02.2018	16.02.2018	4 Days
II Spell of Instruction	19.02.2018	21.04.2018	9 Weeks
II Mid Examinations	23.04.2018	26.04.2018	4 Days
Preparation and Practical Examinations	27.04.2018	03.05.2018	1 Week
End Semester Examinations	05.05.2018	19.05.2018	2 Weeks
Supplementary Examinations	21.05.2018	02.06.2018	2 Weeks
Summer Vacation	04.06.2018	30.6.2018	4 Weeks
Commencement of classes will be from 02.07.2018			

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<http://vjit.ac.in/wp-content/uploads/2017/04/B.Tech-First-Year-Autonomous-Academic-Calendar-2017-18.pdf>

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)			
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ACADEMIC CALENDAR FOR I.B.TECH I & II SEMESTER FOR THE YEAR 2017-18			
FIRST SEMESTER		Commencement of Class work :31.07.2017	
FROM		TO	DURATION
I Spell of Instruction	31.07.2017	20.09.2017	7 Weeks 3 Days
I Mid Examinations	21.09.2017	23.09.2017	3 Days
Dussehra Holidays	24.09.2017	02.10.2017	10 Days
II Spell of Instructions	03.10.2017	28.11.2017	8 Weeks 3 Days
II Mid Examinations	29.11.2017	02.12.2017	3 Days
Practical Examinations	04.12.2017	13.12.2017	10 Days
Mid Betterment Exams	14.12.2017	16.12.2017	3 Days
End Semester Examinations	18.12.2017	06.01.2018	3 Weeks
SECOND SEMESTER		Commencement of Class work : 08.01.2018	
I Spell of Instruction	08.01.2018	03.03.2018	8 Weeks
I Mid Examinations	05.03.2018	07.03.2018	3 Days
II Spell of Instruction	08.03.2018	02.05.2018	8 Weeks
II Mid Examinations	03.05.2018	05.05.2018	3 Days
Practical Examinations	07.05.2018	16.05.2018	10 Days
Mid Betterment Exams	17.05.2018	19.05.2018	3 Days
End Semester and Supplementary Examinations	21.05.2018	09.06.2018	3 Weeks
Commencement of class work for II Year I Sem will be from 11.06.2018			

  
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[http://jntuh.ac.in/uploads/calendars/ACADEMIC\\_CALENDAR\\_2017\\_18\\_BTech\\_and\\_BPharm\\_II\\_III\\_IV\\_yrs\\_I\\_and\\_II\\_Sems1.pdf](http://jntuh.ac.in/uploads/calendars/ACADEMIC_CALENDAR_2017_18_BTech_and_BPharm_II_III_IV_yrs_I_and_II_Sems1.pdf)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD  
ACADEMIC CALENDAR (2017-18)  
FOR NON-AUTONOMOUS CONSTITUENT & AFFILIATED COLLEGES  
B. TECH. & B. PHARM. II, III & IV YEARS I & II SEMESTERS**

**I SEM**

S. No	EVENT	DATE	Duration
1.	Commencement of Instruction	12 <sup>th</sup> July 2017	--
2.	First Mid Term Examinations	6 <sup>th</sup> to 8 <sup>th</sup> Sept. 2017	--
3.	Submission of First Mid Term Exam Marks to University on or before	16 <sup>th</sup> Sept. 2017	--
4.	Dussehra recess	25 <sup>th</sup> to 30 <sup>th</sup> Sept. 2017	1 week
5.	Parent-Teacher Meeting	14 <sup>th</sup> Oct. 2017	--
6.	Second Mid Term Examinations	8 <sup>th</sup> to 10 <sup>th</sup> Nov. 2017	--
7.	Last date of Instruction	10 <sup>th</sup> Nov. 2017	16 weeks
8.	Preparation Holidays and Practical Examinations	13 <sup>th</sup> to 18 <sup>th</sup> Nov. 2017	1 week
9.	Submission of Second Mid Term Exam Marks to University on or before	18 <sup>th</sup> Nov. 2017	--
10.	End Semester & Supplementary Examinations (II Sem. of I, II & III years)	20 <sup>th</sup> Nov. to 12 <sup>th</sup> Dec. 2017	3 weeks

**II SEM**

S. No	EVENT	DATE	Duration
1.	Commencement of Instruction	14 <sup>th</sup> Dec. 2017	--
2.	First Mid Term Examinations	7 <sup>th</sup> to 9 <sup>th</sup> Feb. 2018	--
3.	Submission of First Mid Term Exam Marks to University on or before	17 <sup>th</sup> Feb. 2018	--
4.	Parent-Teacher Meeting	10 <sup>th</sup> March 2018	--
5.	Second Mid Term Examinations	4 <sup>th</sup> to 7 <sup>th</sup> April 2018	--
6.	Last date of Instruction	7 <sup>th</sup> April 2018	16 weeks
7.	Submission of Second Mid Term Exam Marks to University on or before	13 <sup>th</sup> April 2018	--
8.	Preparation Holidays and Practical Examinations	9 <sup>th</sup> to 14 <sup>th</sup> April 2018	1 week
9.	End Semester & Supplementary Examinations (I Sem. of II, III & IV years)	16 <sup>th</sup> April to 7 <sup>th</sup> May 2018	3 weeks
10.	Summer Vacation	8 <sup>th</sup> May to 7 <sup>th</sup> July 2018	9 weeks

  
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<http://vjit.ac.in/wp-content/uploads/2017/04/M.Tech-IIIV-sem-001.pdf>



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### Academic Calendar for M.TECH III & IV-Semester for the year 2017 – 2018

S.NO	PARTICULAR	COURSE PERIOD	DURATION WEEKS/DAYS
<b>III SEMESTER</b>		<b>Commencement of class work 18.09.2017</b>	
1	Project work	18.09.2017 to 23.09.2017	1 WEEK
2	Dussehra Holidays	25.09.2017 to 30.09.2017	1 WEEK
3	Project Work Continuation	03.10.2017 to 21.10.2017	3 WEEKS
4	Comprehensive Viva Voce	23.10.2017 to 04.11.2017	2 WEEKS
5	Project Work Continuation	06.11.2017 to 02.12.2017	4 WEEKS
6	Project Work Review-I	04.12.2017 to 16.12.2017	2 WEEKS
<b>IV SEMESTER</b>		<b>Commencement of class work 18.12.2017</b>	
1	Project Work	18.12.2017 to 14.04.2018	17 WEEKS
2	Project Work Review-II	16.04.2018 to 28.04.2018	2 WEEKS
3	Project Evaluation (viva-voce)	30.04.2018 to 12.05.2018	2 WEEKS

  
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## Annexure – II

### Students Feedback Form

### Indices used for measuring quality of teaching & learning:

All the below indices are analyzed statistically for drawing inference on each item and shown to the respective faculty

- Punctuality and regularity
- Willingness to clear the doubts
- Applications of the topic covered
- Pace of syllabus coverage
- Interaction with the students
- Use of examples & illustrations
- Subject Knowledge
- Communication skills
- Commitment
- Motivation Provided
- Content of lecture
- Explanation of subject and real-time examples
- Clarification of doubts
- Usage of modern aids
- Professional behavior



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## **Annexure – III**

### **Best Practices**

#### **Best Practice I**

#### **Title of the Practice: Strengthening of Industry Institute Collaboration**

#### **Objectives of the Practice**

- To enhance the relationship between the Institute and industry.
- To promote participation of industry personnel in the development of curricula & high quality student projects.
- Memoranda of Understanding between the Institute and industries to bring the two sides emotionally and strategically closer.
- Visits of industry executives and practicing engineers to the Institute for seeing research work and laboratories, discussions and delivering lectures on industrial practices, trends and experiences.
- Visits of faculty to industry for study and discussions or delivering lectures on subjects of mutual interest.
- To facilitate industrial training for students, internship programs and students' study tour programs
- To encourage entrepreneurial activities among the students
- To support consultancy/ training services using the institutional expertise
- To explore the industries for support in academic activities through Corporate Social Responsibility (CSR) programs
- To promote participation of industry personnel in the development of curricula & high quality student projects.

#### **The Context**

Interaction between institutions and industry is the need of the hour. This will have great bearing on the Engineering Curriculum, exposure of industrial atmosphere to engineering students and subsequent placement of young graduating engineers in industries across the country.





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The Industry-Institute Partnership Cell (IIPC) of the institute is dedicated to promote the close interaction of industry and various departments of the institute. The cell is the bridge between the industry, the real world and the institute. Industrial exposure of Faculty is very much helpful to guide students about latest industrial practices. Industries are able to know recent developments and inventions in their fields and implement projects for technologically driven economy.

IIPC prepares engineering students for jobs in multinational companies, by exposing them to newer technologies and engineering methodologies. This bridges the gap between industry and the academic institute.

Indian industry at present has reached a crucial turning point where it has to face the dynamic demands of the competitive domestic and global markets by providing high quality products and services. A need-based, effective, dynamic, responsive and human education system would be capable of addressing the challenge. The interaction between institute and industry is necessary to train and develop the right kind of man power to sustain industrial growth. VJEC has setup an Industry Institute Partnership Cell for the above purpose under the leadership of an expert team who have rich experience and exposure in both academics and industry. The ultimate aim of imparting professional education is to endow the student's industry-ready by providing exposure to current industry practices and to secure job in any platform. The IIPC established in VJIT is determined in acquiring the objectives mentioned.

## The Practice

**The institute continuously in touch with the industries and established strong linkages with various industries across the departments.**

- Center of Excellence in NI LabView Academy , ARM university Programme, Cypress Semiconductors and CISCO Net working Academy
- Center of Excellence in Data Analytics with Qlik India, USA
- Center of Excellence in Software Testing with Virtusa
- Center of Excellence in the field of Manufacturing with Lean Technocrats
- Certified Member of Confederation of Indian Industry
- MoU with Cyient for recruitment and training of students
- MoU with Ajna Net works
- MoU with Frugal Technologies



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## **Evidence of Success**

### **NI LabView Academy**

- 100% CLAD Certification – 105 students and 6 faculty
- CLD Certification – 9 students

### **ARM University Programme**

- Students are certified under two levels as beginner and Expert levels.
- 44 students and 5 staff got certified under ARM University, Cambridge, UK.
- Another 44 students and 3 staff got certified under PSOC Semiconductors from Cypress semiconductors.

### **CISCO Networking Academy**

Three Faculty Members are certified by Merit on CCNA course.

These Three Faculty members train 99 ECE students on CCNA certification

The current Batch students had Successfully completed training.

### **A Centre of Excellence is set up in the 2017 supported by Qlik Software Company as a part of Industry Institute Interaction**

- About 120 students are taking course Data Analytics Course Under this project.
- 46 B.Tech Students of 2018 batch has completed project work in Data Analytics
- 2 papers published by faculty



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## Qlik opens data analytics centre

### BUSINESS BUREAU

Hyderabad

Data analytics company Qlik partnered with Vidya Jyothi Institute of Technology (VJIT) in Hyderabad to launch a new Data Analytics Acceleration Centre. Inaugurated as the Centre of Excellence in Analytics – powered by Qlik, the first-of-its-kind centre is aimed at equipping future professionals with advanced data analytics skills and competencies. It is the first dedicated facility to be supported by the Qlik Academic Programme.

The Centre will serve as a dedicated point of contact for VJIT students and professors looking to collaborate for research opportunities and industry-academia partnerships in the area of

data analytics. It will also serve as a point of confluence to share innovative ideas, and advanced concepts in data analytics, not just for individuals associated with VJIT, but also for professionals, industry bodies, and domain experts from across Hyderabad as well as the states of Telangana and Andhra Pradesh.

As part of the initiative, students and professors will have access to a computer lab equipped with 70 high-end computers, dedicated servers, and a leased line internet connection, in addition to a roof-mounted LCD and a Green Generator for power backup.

With more than 60 students from VJIT already enrolled in the programme, Qlik is targeting to empower 180 students annually.

### **Center of Excellence in Software Testing with Virtusa**

- Virtusa would be training our faculty and students in Software testing.
- Recruitment of students

### **Center of Excellence in the field of Manufacturing with Lean Techocrats**

Lean – “The Means for leveraging growth”. The Lean Technocrat certification is exclusively for **Mechanical** Engineering students. It gives typical focus for manufacturing industries for top-line growth. The following are the information of VJIT students being certified by Lean Technocrat in 2017





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## Outcome

Total students attended the certification training – 31 and Certified: 26

All 26 got chances to sit for special campus recruitment drives supported by Lean Technocrats.

Companies who came for recruiting the Lean certified students:

S.No.	Company	Salary Package
1.	Dalal Plastic, Delhi	3.5 lakhs
2.	Everest India	3 lakhs
3.	Denso India, Hariyana	4.5 to 5 lakhs
4.	Schneider Electrical	Internship

MoU with Cyient for recruitment and training of students and training in AI Machine learning for faculty.

## IoT Maker space association with TechnoLexis

- Hackathons workshops have been conducted to develop products of IOT
- Internships for 21 Students
- Placed in IOT based companies Lenovate Solutions Bangalore & Motivity Labs Hyderabad

## MoU with Ajna Networks for training and recruitment

- One of the Alumni of ECE department : Recruited 17 students from VJIT 2018

## Cetriport : MoU has been signed with Cetriport

1. HTML : 215 certifications from 3<sup>rd</sup> and 4<sup>th</sup> Years.(CSE/IT and ECE branches)
2. Database : 125 certifications from 3<sup>rd</sup> and 4<sup>th</sup> Years. (CSE/IT and ECE branches)
3. Auto CAD : 385 Certifications from 3<sup>rd</sup> and 4<sup>th</sup> Years (Civil/Mech and EEE Branches)

## Microsoft Certifications

1. 161 Students are trained in Azure Cloud
2. 116 students are trained on Internet of Things
3. 55 Students are trained on Universal App Development

## ORACLE ACADEMY

- 142 students were Trained
- 102 in Database Design
- 40 Database programming with SQL



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## IBM

- 53 students were trained and certified on Fundamental course on Business Intelligence
- 43 Students were trained and certified on Cloud computing

## Frugal Technologies

Students working on final year projects and trainings

Faculty : Visits to update knowledge on real time Engineering Problems

**Please identify the problems encountered and resources required to implement the practice**

### Problems Encountered

- In few of the cases (of the CoE) the related Certifications are costly and for many of the students it is not possible to support such amount.
- It was also identified a major problem at the beginning that the CoE s cannot run without skilled and certified internal faculty members. Means just based on only industry input the CoE s cannot stand for long time. After understanding this point, initiatives have been taken to improve staff skills and certification for staff. Today we have many staff with certification and good skills.

### Resources Required to implement practices

- Good labs with computers and required software and hardware
- Journals and books for students to work in those areas
- Good human resource from inside and outside
- Showcasing of the acquired skills by the students.

### Overall with the collaboration of industries

- Students are trained and certified and got placement /internships/to carry out major projects.
- Students are trained as per the industry needs and exposed to the latest trends of Industry.
- Faculty also exposed to the newer technologies and also it has been included in the curriculum.
- Faculty shared the knowledge to industry experts in their repective domains. Through this collaboration would result in collaborative research projects.



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## Best Practice II

### Title of the practice: ICT usage in Engineering Education

#### Objective of the practice

The main purpose of the practice was to enhance ICT integration into the Engineering Education. More specifically, the attempt was

- To dovetail the ICT component relevantly into the practice of instructional designing and its implementation.
- To applying ICT in teaching for better deep learning of students to become industry ready engineers.

#### The Context

Mastering ICT skills and utilizing ICT towards creating an improved teaching and learning environment is of decided importance to teachers in creating a new learning culture. It is no longer possible to think of education without ICT. One can go even further by pointing out that education is increasingly being defined by ICT. The ICT has the potential to replace all the previous audio-visual aids like radio, T.V., OHP, slide projectors etc. The educational institution cannot afford to ignore the importance of ICT in the whole educational process. In order to respond to this emerging trend it was felt necessary to revamp the curricular inputs for engineering education, so as to accommodate ICT appropriately. In addition, it was found that students were at different levels of familiarity with the use of computers. This added to the heterogeneity and it became necessary to bring everyone on par in respect of their preparedness to be responsive in the changing context of engineering education. All the above led to the practice ICT in engineering education.

#### The practice

- Class rooms are upgraded to ICT enabled class rooms
- Departments are provided with sufficient number of OHP and other aids
- Auditoriums are enhanced to the state-of-the art facilities.
- Faculty members are trained to use ICT in the class room teaching
- Faculty attended an AICTE approved 8 weeks course conducted on line by IIT B titled “use of ICT in Education for online and blended learning”.
- The faculty has been given practical exercises on creating Website, Models a course material, conduct online Quiz, assignment and evaluation of assignment
- The faculty is encouraged to publish papers on OBE at IUCEE in order to upgrade their teaching skills



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- Intranet link is created for students to share Faculty notes, Lab Manuals, videos, Text books and important messages
- Students are encouraged to use ICT and join in students' chapter SPEED.

## Evidence of success

- 32 faculty members done the certification program from IIT Bombay on the title "Pedagogy for online and Blended Teaching Learning Process" from 3rd May 2018 to 30th May 2018.
- 45 faculty members done the certification program from IIT Bombay on the title "Foundation Program in ICT for Education" from 8th March 2018 to 12th April 2018.
- 14 faculty members done the certification program from IIT Bombay on the title "Foundation Program in ICT for Education" from 3rd August 2018 to 7th September 2018.
- Faculty members published paper on the topics of ICT in Education.
- 52 NPTEL certification

## Identify the problem encountered to implement to practice.

- It is essential that teacher educators identify the components of their programme that lend themselves for technology integration.
- Students are need to be encouraged to utilize the same
- Additional computer lab hours are required for the students



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## Annexure IV

**Students performances at State/national/international level sports/games during the academic year 2017-18**

S.No	Name of the Sport/Game	Univ/National/International Level	Place & Date & Year	Medal/Position	No. of Students
1.	Softball	All-India Inter University	Maharishi Dayanand University, Haryana. February 2018	Participated	Mr.Abhishek-MECH-II
2.	Hockey	South Zone Inter University	Annamalai University, Chennai. January 2018	Participated	Mr.B.Vinod Kumar-MBA-I
3.	Volleyball	National	Sports Fest-18 MVSR Campus Hyderabad. 20 <sup>th</sup> & 21 <sup>st</sup> March 2018	Winners	Rahul (C) and Team of 12 Players
4.	Volleyball	JNTUH Zone-C	Jntuh Zone-C Tournament MRCE Campus. 22 <sup>nd</sup> & 23 <sup>rd</sup> February 2018	Winners	Rahul (C) and Team of 12 Players
5.	Kabaddi	National	Blitz-18 MRCE Hyderabad Campus. 02 <sup>nd</sup> & 03 <sup>rd</sup> February 2018	Winners	P. Suman (C) and Team of 12 Players
6.	Volleyball	State	Sports Fest-18 BVRIT Hyderabad Campus. 09 <sup>th</sup> & 10 <sup>th</sup> January 2018	Winners	Rahul (C) and Team of 12 Players
7.	Kabaddi	National	BITS Pilani Hyderabad Campus. 02 <sup>nd</sup> to 04 <sup>th</sup> January 2018	Winners	P. Suman (C) and Team of 12 Players
8.	Volleyball	State	Sports Fest-17 ACE Engg. College Campus Hyderabad. 28 <sup>th</sup> to 30 <sup>th</sup> December 2017	Winners	Rahul (C) and Team of 12 Players
9.	Kabaddi	National	Arena One-17 SAKSHI Television NREC Campus. 23 <sup>rd</sup> & 24 <sup>th</sup> December 2017	Winners	P. Suman (C) and Team of 12 Players
10.	Volleyball	State	Sports Fest-18 BVRIT Campus Medak. 07 <sup>th</sup> to 09 <sup>th</sup> April 2017	Winners	Naveen (C) and Team of 12 Players
11.	Volleyball	National	CHAK DE-17 Sports Fest GNIT Campus Hyderabad. 30 <sup>th</sup> March to 01 <sup>st</sup> April 2017	Winners	Rahul (C) and Team of 12 Players
12.	Badminton Volleyball Table Tennis Kabaddi Basketball	National	Vidya Jyothi Institute of Technology, Hyderabad. 03 <sup>rd</sup> & 04 <sup>th</sup> March 2017	Winners Winners Winners Runners Runners	Mr.S.S Jawahar Mr.Nikhil Mr.Swarnendu Ms.P.Suman Mr.S.H.Akhil
13.	Kick Boxing	State	Telangana Elite Senior Boxing Championship, L.B.Stadium, Hyd. 14 <sup>th</sup> & 15 <sup>th</sup> Oct'2017	BRONZE MEDAL	B.Shashi Kiran-CIVIL-II
14.	Volleyball	South Zone Inter University	SRM University, Chennai. December 2017	Participated	Mr.B.Nikhil Sai-ECE-III
15.	Handball	South Zone Inter University	Anna University, Chennai. October 2017	Participated	Mr.Shiva-ECE-III





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JNTUH ZONE-C Volleyball Winners 2018



JNTUH Zone-C Volleyball Winner's-2017



SAKSHI KABADDI TOURNAMENT WINNERS'18



CBIT SPORTS MEET'17 KABADDI



VJIT National Level Sports Fest'2018 Volleyball  
Winners



VJIT National Level Sports Fest'2018 Kabaddi Winners





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Dr.B.V.R.I.T Volleyball-WINNER'S 2017



ACE ENGG.COLLEGE VOLLEYBALL WINNERS-2017



SENIOR NATIONALS WRESTLING GOLD  
MEDALIST-2018  
PAVAN KUMAR YADAV



Kick-Boxing Gold Medal-2017 B.SASHI KIRAN



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## Annexure V

### National Service Scheme (NSS) activities during the academic year 2017 -2018

S.No	Date	Event	Organized at
1.	17-3-2018	Womens day	VJIT
2.	03.2.2018	University level youth festival	JNTUH
3.	26.1.2018	Republic day celebrations	Aziz nagar govt. school
4.	26.1.2018	Nss parade	VJIT
5.	11.1.2018	Wall of kindness	VJIT
6.	11.1.2018	Road safety awareness program	VJIT
7.	11.1.2018	Nss orientation day	VJIT
8.	17.08.2017	Women Empowerment – SHE TEAM	VJIT
9.	15.08.2017	Independence Day Celebrations	Rakshana Deepam Moinabad Mandal RR.
10.	05.08.2017	University Level Swachh Pakwada Program	JNTUH
11.	29.07.2017	Haritha Haram	ZPHS Moinabad, Hymayathnagar Village Moinabad
12.	23.07.2017	Plantation Drive	Regulakunta Cheruvu, Deepthi Nagar, Miyapur, Hyderabad
13.	15.07.2017	Lake Cleaning Drive	Regulakunta Cheruvu, Deepthi Nagar, Miyapur, Hyderabad
14.	14.07.2017	Haritha Haram – 2017	VJIT
15.	01.07.2017	Organ Donation Campaign	Shilapakala Vedika, Hitech City
16.	21.06.2017	International Yoga Day – 2017	VJIT





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## WOMEN'S DAY

17 March, 2018



## NSS – UNIVERSITY LEVEL YOUTH FESTIVAL





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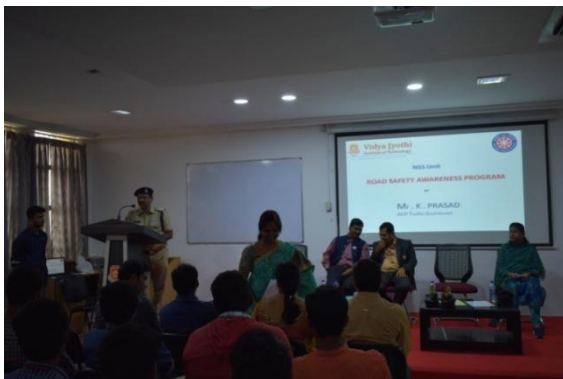
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## NSS REPUBLIC DAY PARADE



## Orientation Day & Road Safety Awareness Program on 11-01-2018



## Women Empowerment by SHE TEAM on 17th August 2017







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## University Level Swachh Pakwada Program on 05.08.2017 at JNTUH



## Haritha Haram at ZPHS Moinabad, Hymayathnagar Village Moinabad on 29th July 2017





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## Plantation Drive at Regulakunta Cheruvu, Deepthi Nagar, Miyapur, Hyderabad on 23rd July 2017



## Lake Cleaning Drive on Regulakunta Cheruvu, Deepthi Nagar, Miyapur, Hyderabad on 15th July 2017







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## Haritha Haram – 2017 at VJIT on 14th July 2017



## Organ Donation Campaign at Shilapakala Vedika, Hitech City 01st July '17



## International Yoga Day – 2017 at VJIT on 21st June 2017

