Yearly Status Report - 2018-2019

Part A	

Data of the Institution

1. Name of the Institution	VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	Dr A Padmaja
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	+919849554882
Mobile no.	9849554882
Registered Email	principalvjit@vjit.ac.in
Alternate Email	principal@vjit.ac.in
Address	Aziz Nagar Gate,C.B.Post
City/Town	Hyderabad
State/UT	Telangana
Pincode	500075

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	29-Apr-2015
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. V. V. Satyanarayana
Phone no/Alternate Phone no.	08413235399
Mobile no.	9985087041
Registered Email	iqac@vjit.ac.in
Alternate Email	vvs@vjit.ac.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://vjit.ac.in/iqac/

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://vjit.ac.in/examinations/academic-calender/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B	2.84	2016	29-Mar-2016	28-Mar-2021

6. Date of Establishment of IQAC	**09-Sep-2014**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
No Data Entered/Not Applicable!!!		
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**1**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**Yes**
If yes, mention the amount	**80000**
Year	**2018**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

No Data Entered/Not Applicable!!!

View File

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Board of Governers	25-Aug-2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	20-Apr-2018
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	28-Feb-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	1. Attendance Biometric teaching and non teaching staff 2. 100 pins attendance – to monitor students attendance and sending messages to parent 3. Any messages to students are sent through online and 100 pins 4. The administration of office dealing with students, faculty and admissions are fully computerized. 5. Faculty feedback is taken through online feedback system developed inhouse. 6. BEE's software tool is used for the entire examination process (Circulars/Examination fees (Regular Supplementary) 7. After conducting examinations through offline: The entire process of starting from valuation to results and declaration of results are done through BEE'S software. 8. Revaluation recounting is also done through online software. 9. For security purpose: Firewall (forteenight) is installed in Exam branch server Internet facility exclusively for 24 MBPS for Examination branch. 10. Examination registration along with the fee is done through online mode. 11. Circulars are sent through the email 12. Library is automated with Integrated Library Management System (ILMS)

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	01	Civil Engineering	10/03/2018
BTech	02	EEE	10/03/2018
BTech	03	Mechanical Engineering	10/03/2018
BTech	04	ECE	10/03/2018
BTech	05	CSE	10/03/2018
BTech	12	Information Technology	10/03/2018
Mtech	04	CAD/CAM	06/02/2019
Mtech	07	EPS	30/01/2019
Mtech	20	Structural Engineering	19/01/2019
Mtech	55	Embedded Systems	01/04/2019
[View File](#)			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Civil Engineering	02/07/2018	MCIII – Personality Development and Behavioural Skills	02/07/2018
BTech	EEE	02/07/2018	Advanced Communication Skills Lab	02/07/2018
BTech	Mechanical Engineering	02/07/2018	Quantitative methods and logical reasoning (QMLR)	02/07/2018
BTech	CSE	02/07/2018	Professional communications (PC): A22084	02/07/2018
BTech	Information Technology	02/07/2019	Personality development and behavioural skills (PDBS)	02/07/2018
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MBA	MBA	12/02/2019

BTech	Information Technology	10/03/2018
BTech	CSE	10/03/2018
BTech	Mechanical Engineering	02/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil Engineering	02/07/2018
BTech	EEE	02/07/2018
BTech	Mechanical Engineering	02/07/2018
BTech	CSE	02/07/2018
BTech	Information Technology	02/07/2018
Mtech	CAD/CAM	02/07/2018
Mtech	EPS	02/07/2018
Mtech	VLSI SD	02/07/2018
Mtech	CSE	02/07/2018
Mtech	ES	02/07/2018
Mtech	SE	02/07/2018
MBA	MBA	02/07/2018
BTech	ECE	02/07/2018

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
IOT	01/08/2018	203
Total Station	05/03/2019	30
IIT Bombay Spoken Tutorials	01/08/2018	315
AutoCAD	01/08/2018	242
Solidworks	01/08/2018	239
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering	133
BTech	EEE	110
BTech	Mechanical Engineering	159
BTech	ECE	155
BTech	CSE	129
BTech	Information Technology	58

MBA	MBA	95
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

The feedback is taken from all the stake holders by different modes with an objective of taking the corrective action for the overall development of the institute. The feedback is collected through emails, parent meeting Alumni day meet, questionnaire, etc. The inputs are taken in different domains like the teaching learning activity, upgradation of infrastructure, finishing school activity, services extended in the campus, industry-institute connectivity etc. The feedback in teaching learning activity is taken online from all the students. It is performed by considering related parameters like communication skills, subject knowledge, usage of teaching aids, punctuality etc. of the faculty and the data is analyzed by the senior faculty members with HoD of each department And suggestions are given to the faculty concerned with a view to improve the effectiveness of teaching methodology. Also the students give feedback on course outcomes and program outcomes. The data would be analyzed with a view to improve the curriculum, additional infrastructure which are required to be added. The recommendations are sent to Departmental Advisory Board for discussion and subsequent prospective implementation in the teaching-learning activity. The Alumni meet is conducted every year in the month of December and their opinions are sought for the institutional development. Similarly the questionnaires are posted to employers where our students are working as employees with a view to seek the information of their performance. The data so analyzed shall be the basis for improvement of programme educational objectives and corrective measures are taken by the deliberating the pertinent issues in PAC/DAB/BoS. The feedback in respect of the internship, projects and industrial visits are taken from the stake holders and is analyzed by Industry-Institute Interaction Cells, Training and Placement Cell. It is taken up to improve the said activities in a more effective way for the future endeavors.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
No Data Entered/Not Applicable !!!				
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	4121	109	302	33	12

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
347	292	7	83	2	10
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Vidya Jyothi Institute of Technology has been striving to give its students the most congenial environment to enhance their growth and help achieve their goals, mentoring is a step initiated towards achieving the mission. During the journey through the undergraduate engineering program students often need mentoring, guidance and counseling on issues like direct academic issues, career options, fear of a subject/course, or need of monitoring in irregularities in attending the college, checking on negative behavioral traits, interpersonal relations, detrimental activities and many more issues which needs greater involvement of the mentor. The Mentoring system is practiced diligently contributing immensely in the improvement of the overall academic quality and the students too will be greatly benefitted by continuous guidance. The Mentoring system emphasizes the enhancement of institutional goals to better serve the needs of the ever-changing and dynamic learning community. Effective mentoring begins with the faculty and depends on the healthy relationship between faculty and students. The responsibilities of the mentor includes identifying the student's strengths and weaknesses by the mentor and train them in the right direction to overcome weaknesses and further strengthen the positive attributes to groom her /him into a complete individual for future endeavors. This is consciously done with a specific aim to prepare the student to face challenges in this competitive world and to achieve personal and professional goals through placement. Each faculty will be a mentor to around 25 to 30 students, maintain a detailed record of the student and also the record of discussions conducted. Maintain the personal details of the students including their address, contact numbers, overall academic performance and progress. This also helps to keep a track of the student as alumni. The mentor shall guide the students in taking up extra academic and professional activities for value addition and also guide to join professional societies. The mentors monitor the progress maintaining the record of the mentoring done. The mentors meet the students frequently and discuss various issues including class room lectures, laboratory performances, participation of seminars/ conferences and technical events. The mentors also provide advice to HOD/Principal/ Director in matters of extended leave or absence of students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4230	335	1:15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
56	56	0	56	6

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National,

International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
8	1126	0.7

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://vjit.ac.in

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://forms.gle/2HSPgAjana5GhdzM9

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

3

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
No Data Entered/Not Applicable !!!		
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
CSE	1
Mathematics	1
English	1
MBA	1

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
No Data Entered/Not Applicable !!!			
View File			

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
No Data Entered/Not Applicable !!!	
View File	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
View File			

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
View File						

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			
View File			

3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and

Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			
View File			

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
View File			

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
No Data Entered/Not Applicable !!!				
View File				

3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
View File			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
View File					

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year	
Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
600	564

4.1.2 – Details of augmentation in infrastructure facilities during the year	
Facilities	Existing or Newly Added
No Data Entered/Not Applicable !!!	
View File	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
KOHA	Fully	3.20.02	2017

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.K.Vasanth	Introduction to Signal Processing	i-xplain	10/01/2019
Dr.K.Vasanth	Introduction to Digital Signal Processing	i-xplain	12/10/2018
Dr.S.Tulasi Prasad	Analog Communications	Microsoft Whiteboard	21/12/2018
Dr.S.Tulasi Prasad	Digital Communications	Microsoft Whiteboard	21/12/2018
Dr.K.Vasanth	Probability Theory and Stochastic process	i-xplain	11/01/2019
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	967	803	100	40	60	30	72	100	0
Added	62	36	0	6	0	0	0	100	0

Total	1029	839	100	46	60	30	72	200	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

200 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
K.Ashokachary	https://www.youtube.com/playlist?list=PLl1QjqZ09kifezbuuRnYQNnSeZ-NzLwLQ
T.Pavan Kumar	https://youtu.be/ptJfomL1I7o
T.Pavan Kumar	https://www.youtube.com/playlist?list=PLLvBXFAV-DeJmncenWMDHd7YkWs9LTXNW
T.Pavan Kumar	https://www.youtube.com/channel/UC5GJ0PJFpwr239DKREArLbw

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
900	854	300	241

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

Building Maintenance: Matters concerning the maintenance of buildings and infrastructural facilities, the HODs or the concerned in-charge will make a requisition to the Principal which will be forwarded to the Estate Manager. • The Estate Manager will submit the proposals to project officer. • The project officer discusses with the Secretary and Correspondent, take their approval and attend to the work at the earliest possible time. • For items of works costing more than Rs.10, 000/-, he will submit estimates along with quotations. • Regarding furniture, a requisition shall be made to the Principal by the HODs/in-charges it will be forwarded to Administrative Officer (A.O). • A.O. will discuss this with Secretary and Correspondent and take necessary Building Hygiene: • Sweepers are allotted for a particular area for cleaning. Every day the sweeper has to sign in the register to confirm that he/she has done the duty. • The supervisor should attest the same. Toilet Hygiene: • Scavengers will clean the each toilet four times a day, which should be checked by supervisor concerned. • Care is taken in providing exhaust fans, daily cleaning with phenol or detergents and naphthalene balls. Class Rooms: • Use of non-dust chalks. • Daily sweeping of class rooms. • Wet cloth cleaning of benches • Black board cleaning • Supervisors shall personally supervise the work and lock the class rooms after he is satisfied with the work. Log books are maintained by the estate manager, supervisor for the daily works performed by sweepers / scavengers. Laboratories-Equipment-Maintenance • Preventive maintenance is followed. • Lab Attenders will clean the Lab equipment everyday under supervision of lab assistance • Periodical checkups and calibration of equipment in all laboratories. • Stock verification is being conducted in all laboratories every year. Computing Facilities-Maintenance Utilization • Internet connectivity with a total of 100 Mbps band width is provided. • All the computer systems in the college are on LAN with OFC backbone. • Computing

facilities are made available to the students for at least 12 hours a day and WiFi enabled facility shall be provided. • The number of computers to be made available will be as per the requirements. • A team of technicians with in-charge faculty takes care for the maintenance of computers. • Necessary Licensed software are procured. • Servers like LINUX, WINDOWS, Web Servers, Database etc., are provided. • Additional projects are taken up by the students for optimum utilization of the facilities. • Maintenance of computing facilities is carried out by vacuum cleaners, running antivirus software, formatting whenever the condition warrants. Library: • Library is maintained by a Librarian and two assistant Librarians. The process is monitored by Library Committee. • Library maintenance is computerized and automated with regular/constant up-keeping • Individual Departmental Libraries are integrated with Central Library foraccessing Digital Learning Materials • Regular swabbing of the Library floors, regular cleaning of the racks, up-keeping the quality of the books with needed binding are in place • Two qualified Physical Directors and one lady Physical instructor are on rolls to look after the day to day games and sports activities of the college • The outdoor games such as Ball-badminton, volley ball, cricket, tennikoit etc. are also provided. • A permanent basketball court with R.C.C. slab isprovided. • A separate indoor games facility for playing shuttle, table-tennis, caroms and chess, is provided andit is being used bythe students regularly. • A new Amenities building is constructed and the facilities like Canteen, Games room, Gymnasium and Recreation-cum-Reading halls for both girls and boys separately are in place. • The Institution organizes a three day festival (PHOENIX) every year and conducts State Level Inter Engineering Collegiate Competitions in Technical Paper Presentations, Technical Exhibition, Literary and Cultural Activities, Sports and Games Activities.

https://vjit.ac.in

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
No Data Entered/Not Applicable !!!			
View File			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
No Data Entered/Not Applicable !!!					
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
No Data Entered/Not Applicable !!!	
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The Institute does not have a students council.However all departments have various professional bodies,Department clubs,students committees for various workshops/hackathons ,sports,NSS NGO bodies. With the view to involve the students in academic and administrative activities selected active and interested students are made as representatives in various committees. In each

department one student is made as a member of department advisory board and he / she shall put forward the academic issues for the deliberation. The students are made members of various committees like class monitoring committee, library committee, anti raking committee, canteen committee and etc. And or working under the guidance of senior faculty member for the defectiveness. Student members represent various issues and present their ideas at the respective committee meetings. Their suggestions are given due importance in arriving at the decisions. The involvement of students in these committees creates better understanding between administration and students. The organizational behavior and leadership qualities among the students get spruced up with their involvements in the event conducted in the institute. The performance of the student member in the events such as Graduation day, Engineers Day, Technical Fest Udhbavah-19, etc. are worth mentioning for their coordinated work in the smooth conduct of the programs without any hassles. Apart from above committees the Institute has also department wise coordinators for placements,Anti ragging committee,Student Grievance Cell,sports committee and Cultural Committees to coordinate various activities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institution has a registered Alumni Association. Alumni Association of Vidya Jyothi Institute of Technology (VJIT) is registered under the A.P. Societies Registration Act 1402 of 2010 on 10th December 2010. Its motive is to bring together all the Alumni to share their experiences and to extend their helping hand and provide guidance to the budding engineers of the college. The VJIT Alumni spread around the globe, support the college in various activities. It organizes yearly meet in College every year. Alumni association organizes various technical seminars/ guest lectures, motivates and guides students for their academic improvement. A pre meeting convened by Director was conducted on 9th January 2019 to discuss the arrangements to be made for the Alumni meet scheduled to be held on 2nd February 2019. In that meeting it was discussed that each department was to prepare a committee to host the alumni day and upon arrival of the alumni they are to be consorted by the current final year students and faculty. It is planned that the alumni are requested to go to class rooms and speak to the students in general and in the technical domain in particular. The views of the alumni are to be noted and assimilated for the implementation for the overall benefit of Institute. About 436 members attended the meet. The interaction of the alumni with the students is encouraging and eternal. The kind of suggestions, tips, dos and don'ts, supplementing references for undertaking the internship / projects given by alumni are worth mentioning. Narration of experiences of them under critical issues helps the students to develop the industrial practices on job.

5.4.2 – No. of registered Alumni:

891

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

1. Annual alumni meet was conducted on 2nd February 2019 2. 14 Guest lectures by alumni in various departments • A guest lecture on How to upgrade Current Technologies by Pavani Sravya, 2014-18 on July 21st 2018 • A guest lecture on Recent trends in IT Industries by Prasanjeeth Paul, 2014-18 on August 25 , 2018 • A guest lecture on Role of Testing Engineer by Sagarika, 2013-17 on October

22nd 2018 • A guest lecture on Recent trends in programming by Raghavendra, 2011-15 on 2nd February 2019 • A guest lecture on How to become Entrepreneur by Srikanth, 2014-18 on March 23rd 2019 • A guest lecture on The words of inspiration by Elukuchi Chandra Shekar, 2013-17 on July 20, 2018 • A guest lecture on Recent trends in IT Industries by M Sanjay Krishna Rao 2010-14 on August 24,2018 • A guest lecture on Institute to Industry by Pallapolu Krishna Chaitanya, 2010-14 on August 22nd 2018 • A guest lecture on Cyber security by Konka Karthik, 2012-16 on October 27th 2018 • A guest lecture on Campus Recruitment Tips by Karnati Bhanuprakash, 2011-15 on October 3rd 2018 • A guest lecture on Motivation and Leadership by Vinay Mohan, 2011-15 on December 22nd 2018 • A guest lecture on Motivation and Leadership by Awani Rawat, 2011-15 on January 21st 2019 • A guest lecture on The recent trends in Programming Languages by Rahul Konda, 2009-13 on February 23rd 2019 • A guest lecture on Career Guidance in Current Technologies by Mohd Zuberuddin Ubed, 2008-12 on March 18th 2019

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Institution has well defined mechanism to the acquisition of resources in each of departments. The lab in charges submits the proposals as per the lab requirement to the HOD. The HOD, after careful discussion submits the proposal in the prescribed format to the Director. The Director, in turn submits them to the BOG. The BOG after assessing the projected income for the academic year, allocates budget to each department depending on their requirements and priorities. Name of the administrator Financial Power BOG Above Rs50 lakhs Finance Committee Rs 5 lakhs to Rs 50 lakhs Director Rs 5,00,000/- lakhs HOD's Rs10,000/- Decentralization: Decentralized governance system with well defined inter relationships are available in the institute. • Adequate systematized autonomy to all the departments and sections. • Financial freedom is given to each HOD up to Rs 10,000/- to meet the immediate needs of the Department. • To distribute work plan load to faculty. • To identify add on courses to deliver. • To organize various faculty and student empowerment programs. • Preparation of Proposed budget for the department for the next Academic year. • HOD is given autonomy to purchase equipment required for the department as per the guidelines through purchase committee. • Empowering the faculty member who is in-charge of a lab to prepare the laboratory requirements. The Director/ Principal will have meetings with HOD's once in a week to discuss various Academic/ Co Curricular/ Extra Curricular activities. The various activities such as Tech. fests, Annual day celebrations, Sports meet etc,. are held with the involvement of HODs, faculty and students. Every month department meetings are being held in all departments where internal issues within the department are discussed. The Director/ Principal/ Academic Coordinator will attend the departmental meeting and address the problems immediately. Every fortnight staff council meetings are also held to discuss and decide issues at the institutional level. Suggestions of Heads of the departments are perceived well by the top management. The Secretary Correspondent, VJES will address the staff meetings frequently to motivate the faculty and to share the problems if any and to resolve.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
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. 70 of intake is admitted through EAMCET conducted by Telangana Government and 30 of seats are filled by the management on merit basis. Criteria followed for A-Category (Convener Quota)admissions: First B.Tech- EAMCET Ranks M.Tech - GATE / PGECET Ranks MBA –ICET Ranks
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. • Industry Institute Interaction cell is there in all the departments. • 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.
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 • The guidelines of AICTE and JNTUH are followed for teacher's recruitment. • 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 • Attrition rate is carefully monitored in departments • Retention

	rate is high for teaching, Non teaching and technical staff of the institution • Effective system of performance appraisal through annual performance reports • Continual strategies are framed for improving the retention ,based on the analysis of exit interviews • Online faculty feedback system and the action taken is duly shared with faculty • Regular counseling and mentoring to students • 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 short listed based on the performance.
Library, ICT and Physical Infrastructure / Instrumentation	• The library assists students and faculty to access a multitude of information resources with a world-class collection documents ,outstanding study spaces that suit the requisites of the services provided. Library is fully automated and digitalized.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 6507 in this academic year and totally the library is equipped with 49206 books. • 101 National International Journals are subscribed during the academic year. • 1077 E-journals data base with IEEE, Springer, ASME ASCE, DELNET Nlist. • The VJIT Digital repository with 60 terminals is home to E-Resources like IEEE, ASME, ASCE, EBSCO e-books collection, DELNET. • Member of National Digital Library (NDL), CDROMs and SONET CDs and other Open Access journals, E Books and a broad and inclusive collection of study materials. • The Automated Library Operations - with the bar code system enables scanning the documents for record easy distribution and collection of books • Library automation is done through KOHA. • Using OPAC the users can search for the availability of books, text books, CD-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. • ICT tools are deployed in

	the teaching learning process, administration and examination branch • The Physical infrastructure includes Class rooms Laboratories Seminar Halls Classrooms with LCD facilities Classrooms with Wi-Fi/ LAN Seminar halls with ICT facilities • Remote center lectures workshops through IIT Bombay 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 is operational this academic year • Separate building for mechanical workshop and laboratories is also operational 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 • 1029 computers are avaiable • 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
Research and Development	• VJIT has been recognised as a leading Engineering institute with a distinctive faculty of 45 Doctorates from various departments. • Rich research caliber distinguished by the senior and experienced faculty having quality publications in indexed journals. Contributing their guidance in elite research projects from DRDO RCI have led to the sanction of the prestigious Research Centres recognized by JNTUH for the departments of CSE Mechanical Engineering. • VJIT has created Research Committee. The committee regularly conducts meetings and also asks all the doctorates to submit research proposals. • Committee monitors the quality of publications and norms have been internally framed for quality paper publications. • All departments are encouraged to file patent in their respective field of expertise. • With the catapuited ability 5 patents have been applied and out of which 2 are in Publishing status in this academic year. • Our ambitious curious Mech Engineering students oriented towards research have applied for patents in the area of Thermal

		Engineering • More than 250 research papers published in 2018-19 Providing incentives for publishing research papers in referred journals with impact factor. • Around 11 faculty members are guiding 37 research students in various reputed institute. • 75 faculty are pursuing research in various reputed Universities • Sponsorship to attend International and National conferences • Motivation and guidance is provided to publish research papers in National and International reputed Journals. • Signed MoUs with RD Organizations / Industries
	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. • The performance of students in a semester are evaluated in each course for 100 marks.For theory subjects Internal evaluation is 25 marks and external evaluation is 75 marks. • Internal Examination system : For every theory course, during semester there shall be 2 mid term examinations as part of continuous evaluation • Semester end examinations are conducted as per Autonomous regulations, 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. • The practical end semester examination will be conducted by with an external examiner along with one internal examiner.
	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 certifications are 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. • Every faculty member prepares the course file. Course file contains lesson plan, syllabus, unit wise class material, Unit wise Assignment questions, and old question papers. • 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 • Implementation of 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 • Remedial classes/Tutorial Classes • Industrial Visits/Participation in Hackathons /Projects Mini Major are as part of the curriculum
Curriculum Development	1. The institution has an effective mechanism for curriculum development. The Board of studies scrupulously

designs curriculum which is in line with department Vision Mission, PEO'S and PSO's. 2. Several brain storming sessions are conducted both at department and institution level involving faculty, students, alumni, industry representatives, professional and academic experts. 3. The BoS consists of University Nominee, leading academicians from reputed Institutes , Industry experts and Senior professors from the departments. 4. The curriculum prescribed by AICTE and various reputed Institutes and Universities IIT/NIT's 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. 5. The draft syllabus prepared by departments is placed before the BoS. 6. BoS members extensively discusses and reviews the syllabus and finally comes with one version of syllabus. 7. The final BoS approved Curriculum is placed before the academic council for approval. 8. Course objectives have been specified in addition to the course code and other details. 9. The text books, reference books, e-books for each course have been listed. 10. The curriculum components of the syllabus cover all relevant topics in all programs offered. 11. Autonomy facilitated individual faculty to create innovative pedagogical tools and implementation the respective class rooms. 12. The assessment criterion is based on the seminars, quizzes, assignments, Mid-examinations, Mini projects and term end examinations 13. The curriculum revision process is continuous and revision is done once in every two years 14. Keeping the placement prospective two mandatory courses have been introduced in Professional communication in 2nd year /Quantitative methods and logical reasoning (QLMR) in 3rd year and Open elective have been introduced in 3rd and 4th year

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	• The academics planning and other development are carried out and communicated using MSOffice and mails. • Online feedback system to improve the

	teaching learning process and develop new methodologies. • Member of National Digital Library (NDL), CDROMs and SONET CDs and other Open Access journals, E Books and a broad and inclusive collection of study materials. The Automated Library Operations - with the bar code system enables scanning the documents for record easy distribution and collection of books. The VJIT Digital repository with 60 terminals is home to E-Resources like IEEE, ASME, ASCE, EBSCO e-books collection, DELNET. • Use of Google sheets/excel sheets is done for data transaction of academic and administrative nature. • Maintaining marks obtained in assignments, mid semester examinations and end semester examinations. • Record of makeup classes and extra classes. • Placements department conducts online exams to all years students through online. • All documents related to quality NBA/NAAC Accreditations are maintained in the respective departments are computerised.
Administration	• Attendance Biometric teaching and non teaching staff • 100 pins attendance –to monitor students attendance and sending messages to parent • Any messages to students are sent through online and 100 pins • The administration of office dealing with students, faculty and admissions are fully computerized.
Finance and Accounts	• Tally Accounts Management : Receipts payments/Income Expenditure • Easy fee payment for students fees Online fees payment • All the salaries of teaching nonteaching staff are computerized • Excel sheets for business is used for carrying out various accounting activities.
Student Admission and Support	• The admission of students is based on online data furnished by the convenor,by TSEAMCET. • Students allotment is through online/joining payment of fees is through online mode. • Students open elective registrations are done online before the semester begins.
Examination	• BEE's software tool is used for the entire examination process (Circulars/Examination fees (Regular Supplementary) • After conducting examinations through offline : The

	entire process of starting from valuation to results and declaration of results are done through BEE'S software • Revaluation recounting is also done through online software. • For security purpose :Firewall(forteenight) is installed in Exam branch server Internet facility exclusively for 24 MBPS for Examination branch. • Examination registration along with the fee is done through online mode.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
No Data Entered/Not Applicable !!!						
View File						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
46	46	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Health Insurance	ESI,PF,Health Insurance	Group Accidental Insurance

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

> **The Institute regularly conducts the financial audit by calling audit experts from outside the Institution .**

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NA	**0**	**NA**
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	**Yes**		**Yes**	**Academic Coordinator IQAC Coordinator**
Administrative	**Yes**		**Yes**	**IQAC Coordinator**

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

> **In both the semesters after the First Mid Examinations Parent-Teacher meeting is conducted by departments. 1.To discuss on the progress of the wards and attendance 2.Feedback on curriculum 3. Feedback on facilities provided 4. Feedback on faculty teaching 5.Suggestions on betterment of teaching learning process**

6.5.3 – Development programmes for support staff (at least three)

> **1. ICT Mode Short Term Training Programme on Modern Manufacturing Systems 2. ICT Mode Short Term Training Programme on Indian Electricity Rule and Code of Practices 3. MS Word Excel Skills training 4. Soft skills training 5. Apart from the above the support staff in laboratories also participates in the workshops conducted by respective departments (related to their domain)**

6.5.4 – Post Accreditation initiative(s) (mention at least three)

> **1. Periodic audits in the departments 2. Attainments of PO's PSO's are monitored for continuous improvement. 3. Continuous monitoring of CO's as per Blooms taxonomy, CO-PO mappings to strengthen in the areas of suggestions given by NBA. 4. NAAC accreditations quality improvement as per peer team visit**

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	**Yes**
b)Participation in NIRF	**Yes**
c)ISO certification	**No**
d)NBA or any other quality audit	**Yes**

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Women's day celebrations	08/03/2019	08/03/2019	800	200
Bathukamma Celebrations	26/09/2018	26/09/2018	1700	150
Traditional Day	13/10/2018	13/10/2018	1500	2800
A Workshop on gender sensitization	09/10/2018	09/10/2018	750	860

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
For Environmental Consciousness and Sustainability the Alternate Energy – Solar PV panels are installed in the college. Total demand of the institute is 600KVA, Solar PV installed capacity is 90 KW, power requirement of the College met by the renewable energy sources 15 percentage

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	12
Provision for lift	Yes	12
Ramp/Rails	Yes	12
Rest Rooms	Yes	12

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
No Data Entered/Not Applicable !!!							

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Moral values that ought to guide Resolve the moral issues in the profession	06/06/2018	Abiding by institution policies is a powerful way to demonstrate integrity. Cutting corners and neglecting to follow workplace regulations can lead to mistakes, problems and even dangerous situations. Your willingness to properly record financial transactions, safely dispense of hazardous or toxic materials, follow Institute protocol for dealing with stake holders, perform clean-up or set-up procedures and properly maintain equipment shows others that youre not just looking for the easy way out. Establishing yourself as a trustworthy worker who submits to Institute policies shows your principal and co-employees and students that youll faithfully carry out your duties
Dress Code	02/07/2018	clothes make the man. Having a healthy self-confidence is vital to your well-being. Not only is it mentally and emotionally beneficial for you to feel good about yourself, but it can actually make you more successful. wearing clothes that make you feel important or intelligent can change the way you interact with others as well as your cognitive functioning. Professional teachers and students required to dress in a professional way.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Weekly meditation	02/07/2018	29/06/2019	300

class			
THE SCIENCE OF STILLNESS	24/07/2018	26/07/2018	300
Peace Walk	13/08/2018	13/08/2018	150
Celebration of International Yoga day	21/06/2019	21/06/2019	300
Start your Yatra - Meditation for beginners	21/01/2019	23/01/2019	500
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Energy Conservation 1. The college has a widespread arrangement for the power connections with a Central Substation, Control panel and Power room. Breakers are available at substations and Control Panels are available at Power Room. Panels and Distributions boxes are available at individual Departments. 2. Underground power cables (Aluminum armed 3 Phase with neutral, 6 mm2 to 240 mm2) are used to minimize losses. 3. Staggering of classes has been done to reduce peak load. 4. Switches are provided outside each classroom/lab to switch off power to these areas when not in use, leading to substantial saving in power. 5. CFLs are used in small rooms and corridors along with tube lights. 6. Classrooms and labs are designed in such a way that natural lighting and good ventilation is provided. 7. Use of Led Bulbs in some rooms to reduce power consumption. 8. Computers in the labs and staff rooms are in hibernation mode after 30 minutes. 9. Bills are mostly paid online. Use of Renewable Energy: Many projects were done by the B. Tech. students. A few are listed below: 1. Solar Powered Electrical Four-Wheeler 2. Solar Electrical Tri Cycle for Physically Challenged 3. Solar Powered Agriculture Pump Set 4. Solar Powered Electric Fencing Was Done by The Students for The Institution 5. Wind, Solar Hybrid Power Generator Water Harvesting 1. There is enough open space and mud paths to harvest the rainwater 2. There is enough extent of plantation to reduce evaporative loss and soil erosion 3. Rainwater harvesting structures are built to conserve rainwater 4. Swales are been constructed for harvesting rain water Efforts for Carbon neutrality The college at its own level has taken up certain preventive measures to check the emission of carbon dioxide. The college has made arrangements for the parking of the vehicles of the students in the college ground. The dead leaves and the waste papers are not allowed to be put on fire. The leaves are buried in the soil itself and the papers are send for recycling. This helps in keeping the campus as much clean as possible. Plantation The lush green campus has many wide and multi branched trees. The different varieties of plants are nurtured with care. Among the them there are many Native Species, like Ashoka, Neem, Gulmohar, Pletophorum, Fig, Peepal etc. The Kanuga trees which are also considered as Petro-Crops which are used as Biodiesel are also nutured, to make students aware of non-conventional fuels. The premise is also having Broad-Leafed trees which are helpful in preventing noise pollution.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Title of the Practice: Student Mentoring System Objective of the practice Mentoring is a highly valuable development activity which is firmly implemented in our college. The objective of activity is to develop the relationship between mentor and mentee, where the development of the mentee is the key focus. A mentor will act as an advisor/counsellor as well as a guide: • To

monitor the student's regularity and discipline. • To improve the teacher-student relationship. • To counsel the students for solving their problems which improves their confidence to enhance their quality of life. • To guide the students for choosing their right career path for job, higher studies etc. • Through mentoring, the students are encouraged to explore, succeed and connect in everything they desire to pursue. • Mentoring focuses to align the students with the institutional mission and vision statements there by imbibing a rational positive outlook towards life to make them responsible citizens. The Context As the students are from various backgrounds it is very necessary for the institution to provide mentoring for their all-round development. As the students are the first generation learners they are not matured enough to take decisions on their own in the vast changing technological world. The mentoring programme of our institute guides and counsels the students in academic as well as non-academic matters for achieving their best in life. It also aims at addressing deficiencies in their attitudes habits and their knowledge regarding learning. The practice • It is a mandatory practice to take students attendance in every class and after completion of the class the absentee list is updated in 100 PINS app, notifying the parents about their ward's attendance. • Every class with 60 students, has two mentors and each mentor has 30 students assigned to them. • An hour per week is allocated for every class and the respective mentors meet the students to look into their issues through mentoring and counselling. • The mentors maintain a record of details of the mentee's performances in terms of academic and attendance in the Mentor Book. • If a student is absent for more than 3 days continuously, the mentor calls his/her parent, to enquire the reason and counsel them to take necessary care of their ward. • The mentors prepare fortnight (15 days) attendance of every student and notify the information to the parents of defaulters through proper channel. • The parents/guardians of poor attendee/performance students are called to meet the mentors for further action/s to have improved outcome. • The entire student information is maintained by the mentor will be examined regularly by the HOD. • Periodic meetings are conducted by the Director to review the regularity and performance of the students. • Parent-teacher meetings are conducted at regular intervals during the academic year. • In the present scenario students must make large efforts to update to the latest technology trends in their fields of study. Mentoring helps them to identify their short comings and overcome them. • Counselling guides them to work towards improving their overall personality. Evidence of success Due to effective mentoring practiced by the faculty a marked improvement in the overall performance of the students has been noticed. The structured and direct interaction between mentor and students has positively resulted in the Teacher-Student relationship. Students attendance has increased and the number of detainments has decreased, it further positively resulted in attaining better academic performance. Mentoring helped the students to choose the right career option and pursue their choice with focus and dedication. Mentoring also helped the mentees to decide on how to choose a relevant workshop, seminar and value added course of their specialization. Identify the problem encountered to implement to practice: Not all the students who have joined in Engineering are fully motivated to work towards their goal. They always need guidance in planning and preparing for their Academics. Mentoring is a learning and development process initiated by two people with the foundation of guidance by the more experienced in order for the less experienced to achieve his/her goals desires, dreams and live a successful life. But the main problems lie in assessing the mentee's knowledge and skills, addressing his/her misconceptions and setting reasonable goals for them. Monitoring a learners wholesome growth is a very essential factor towards a holistic personality.Many of the parents are not well educated to understand the seriousness of the situation and fail to respond to the mentors communication at required times. Best Practice 2 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. • 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 The Context The Industry-Institute Partnership Cell (IIPC) of the institute is a 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. 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 • Association of lady Entrepreneurs (ALEAP) • Centre for Entrepreneurship development (CED) • Confederation of Indian Industry (CII) • MoU with Bennet University in the domain of Artificial Intelligence • MoU with Microchip academy • Storm International Group (SIG) Pvt. Ltd. • Intern Theory Career Solutions LLP • National Academy of Construction • Reliable Environmental Services • DATAREADY Technology Corporation,Canada Evidence of Success 1. Microchip Academic Program under Faculty Technical Knowledge updation: 21 faculty trained 2. A Centre of Excellence is set up in the 2017 supported by Qlik.125 students certified in data analytics. 3. Center of Excellence in Software Testing with Virtusa, under this 20 students placed. 4. 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. Total 84 students certified and 56 students placed. 5. MoU with Bennet University in the domain of Artificial Intelligence Artificial Intelligence Research group is a Professional body exclusively for AI,ML and DL. This group provides an insightful environment that fosters the development of new and reliable forms of AI. It aims at conducting different workshops/seminars/FDP and ProjectExpo's. This is in collaboration with leadingindia.AI, an initiative of Bennet University, Noida. Faculty and Students are working on different types projects like fake news detection, attendance using image recognition and so on. 10 CSE IT Department faculty are involved under this MoU. 6. National Academy of Construction/ Reliable Environmental Services/ Total Station Training Students are trained in Total station Certified. Under National Academy of 25 student done internship.Construction 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.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://vjit.ac.in/iqac/

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Vidya Jyothi Institute of Technology's Vision and Mission are oriented towards the holistic development of the student in research activities, Innovation Entrepreneurship, Skill Development, Value added courses to produce socially, ethically, morally responsible Technical graduates. 1. Centre of Excellence Reflects with Conceptualized monitored executed practices in the field of higher education. • Virtusa Center of Excellence in Software Testing • Qlik Center of Excellence in Data Analytics for CSE, IT and ECE Departments • Embedded IoT Laboratory, Networking Laboratory and Data Acquisition Laboratory • Lean Techno Centre of Excellence in Manufacturing for Mechanical, Electrical and Civil engineering Depts. • AWS Educate Program 2. EDC Cell/ Incubation Centers/Innovative Project Ideas//Startups • EDC Cell organizes Entrepreneurship Awareness Programs .. • DST NIMAT for EDC cell to conduct Entrepreneurship awareness programs to 3rd and 4thB.Tech students • Entrepreneurs: The students are encouraged in entrepreneurship skills and 43 students have set their own start ups and achieved outstanding success. • Emerging Startups: A well deserved recognition achieved by Ashfaq Nisar, Vinay Reddy, G.Vamshi, R ManognaManasa K for initiating EZERKA a startup in their third year B. Tech. Incubation Centers : 1. Data Ready Technology Corp. a Canada corporation, located in Toronto, Ontario, Canada with effective from 19th February 2019 to 18th February 2021 2. Applied for MSME Recognised Business Incubation center. MSME-DI visited the Institute premises on 30-04-2019. 3. Self learning Courses/Value added courses IQAC of VJIT took special attention to encourage faculty to undergo various MOOCs certifications offered by Leading IITS of India. More than 130 faculties registered for different courses and received Elite,Gold Silver awards. 4. Research • Research Centers Submitted application for Research Centers to the departments CSE/Mechanical ECE.JNTU expert committee visited the campus and seen the facilities available in the Institute and interacted with senior professors of the Institute. Research Guidance: The distinguished and eminent doctorates of VJIT are guiding 40 Research Scholars registered from various reputed universities. Registered for Ph.D: 25 faculty registered for research in various reputed Universities in this academic year. 5. Empower the woman impact the world VJIT advocates positive characteristics of women with Principal, Academic Coordinator, Heads of the department (EEE CIVIL) in leading positions at management level. Crediting qualities like humanity, social values, ethics and leadership to our girl students (40 of our strength) through professional education emphasizing their pivotal role in the society. 6. The Radiant Ambiance of the institution is highly conducive for the Academic Excellence and Integrated development of the students, which are envisaged through the professional bodies and participation in Hackathons. 7. Naipunya, The Graduate Skill Development Employability Center initiates the training and certifications by various industrial experts to all the students right from 9.

NATIONAL SERVICE SCHEME (NSS): This unit organizes Medical Camps, awareness of nutrition issues among the villagers, environmental protection and education awareness programmes among rural population. The institute has UBA center and received Rs. 50,000/- funding from MHRD. Unnat Bharat Abhiyan. 10. HITA : It is a student service club, where students are working with society.

Provide the weblink of the institution
https://vjit.ac.in/

8.Future Plans of Actions for Next Academic Year

Future plan of action Accreditation of most of the UG programmes except Civil Engineering is due in the month of July 2021, efforts are in place to prepare the required documents to be submitted.Applying for Civil NBA accreditation in the academic year 2019-20 . All the preparations are spruced up for this process. NAAC accreditation is lapsed by March 2021 and the institute is geared up to go for the 2nd cycle. The quality improvement activities are continually undertaken in order to serve the students community in a better way possible. Autonomous status renewal of the institute is due in the month of April 2021. The institute has plans to undertake many activities under the status of autonomy. The syllabi and course structure in each programme are to be revised, Choice Based Credit System (CBCS) is to be taken up with more relaxed norms. The placement activity is to be taken seriously and hence planned to organise Placement Training Programmes more rigorously. Also in the Curriculum Course like QMLR and Advanced Communications are to be further improved in order to help and boost the placement in various Recruiting Organisations. Continuous efforts from the placement team to improve the quality of placements. It is proposed to improve RD activity in the institute. The establishment of Research Centres by the JNTUH is to be pursued in all the departments. This will enhance the zeal of Research , Publication of research articles among the faculty members. The faculty members are to be encouraged continuously to apply for Research Projects with Premier Government Agencies like AICTE, UGC, CSIR, etc… The funding from these organisation catapults the members of faculty to pursue the research activity culminating to publish papers in peer reviewed journals. The faculty members are to be motivated to apply for patents, for the works they have performed in research laboratories, research centres and on equipment sponsored by various organisations. The faculty who have already applied for patents are to be advised to pursue with the offices concerned, such that they take the shape of publication. Many young faculty members who have only PG qualification are guided, motivated and encouraged to apply for PhD with the Universities, IITs and NITs. The quality that can be churned by this activity will improve the programmes effectively. The NIRF ranking is important for any institute without any exception. Our institute with all credentials has been participating for the past few years. By taking the cue from the ranked institutes our efforts are to be converged so as to attain a better rank in future years. The efforts for Consultancy Project are to be placed vigorously for improving the Technical Skills and Re-sharpening the Knowledge on the domain of Engineering Practices. The Industry Institute Collaboration is to be improved further by framing a Cell at every department. These Cells shall work in tandem with the industries and get upbeat move for mutual benefit.