



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	VEMU INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	Dr.T.Chandrasekhar Rao
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08572278723
Mobile no.	8886661149
Registered Email	principal@vemu.org
Alternate Email	vemupat@gmail.com
Address	Tirupati-Chittoor Highway, Near Pakala, Puthalapattu
City/Town	CHITTOOR
State/UT	Andhra Pradesh
Pincode	517112

<b>2. Institutional Status</b>					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		Self financed			
Name of the IQAC co-ordinator/Director		Dr A Hema Sekhar			
Phone no/Alternate Phone no.		08572278723			
Mobile no.		8886661106			
Registered Email		vemuhs@gmail.com			
Alternate Email		siridhulipalla@gmail.com			
<b>3. Website Address</b>					
Web-link of the AQAR: (Previous Academic Year)		<a href="http://vemu.org/iqac-members">http://vemu.org/iqac-members</a>			
<b>4. Whether Academic Calendar prepared during the year</b>		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		<a href="http://vemu.org/academic-calendar">http://vemu.org/academic-calendar</a>			
<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.85	2017	12-Sep-2017	11-Sep-2022
<b>6. Date of Establishment of IQAC</b>			06-Jul-2017		
<b>7. Internal Quality Assurance System</b>					
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		
Ideation to Incubation and Establishing Startups	20-May-2019 7		84		

Workshop on Blooms Taxonomy for Quality Enhancement in Teaching, Learning & Evaluation	02-Apr-2019 7	109
Workshop on Intellectual Property Rights	27-Dec-2018 7	107
Seminar on Social Empower: A Way to Sustainable Development	19-Nov-2018 7	86
Awareness on National Board of Accreditation	13-Aug-2018 7	115
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**8. Provide the list of funds 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
Faculty	Teachers Training using Low Cost Teaching Aids for Teaching Science.	DST-NCSTC	2019 6	6
Department	STTP: Emerging Trends in Artificial Computational Intelligent Techniques	AICTE	2019 6	3.29
<a href="#">View File</a>				

**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 :**

2

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?**

No

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

- Preparing 3 UG programs for Accreditation by NBA.
- Conducted training program on Outcome Based Education.
- Conducted Academic Audit and reviewed.
- Organized few Guest lecturers/Seminars on Entrepreneurship Development Activities.
- Faculty Incentives for research publications.

[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
Memorandum of Understanding with companies/industries	Provided a platform for internships, workshops and consultancy works
Seminars, Guest lectures, Work shops	As a result, knowledge towards content beyond syllabus in the students is improved
Continuous student development activities towards career and higher education	It has become an effective tool to improve the placements
Augmentation of research infrastructure	Institution laboratory and associated facilities are provided to improve the research activities. With this initiative the number of publications form staff and students is increased.
Regular Internal and external auditing	IQAC conducts internal academic auditing after completion of I-midterm exam and external academic and administrative auditing after completion of II-midterm examination to improve the quality.
Improve the use of ICT tools	The learning became more visualized and interactive.
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Governing Body	04-Dec-2019

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

No

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission	2019
Date of Submission	26-Dec-2019
17. Does the Institution have Management Information System ?	No

## Part B

### **CRITERION I – CURRICULAR ASPECTS**

#### **1.1 – Curriculum Planning and Implementation**

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The Vemu IT has developed an extensive action plan for effective implementation of the curriculum through the following measures.

- Academic calendar is prepared in line with the university academic calendar which includes Mid and university examination schedule along with the department and Institution level co and extra-curricular activities.
- In each semester, courses are allotted to faculty based on their area of specialization & preference. If same subject is opted by more than one faculty, preference will be given first for the Assistant Professor, then Associate professor and Professor.
- Time table is prepared to indicate theory and laboratory hours along with Communication Skills Development classes, Aptitude and Reasoning classes, Library and Sports classes.
- Lesson plan for every subject is prepared by the respective faculty in line with the university syllabus.
- Lecture notes will be prepared by every faculty in consultation with senior faculty.
- The Institution provides sufficient teaching aids for effective curriculum delivery. The lesson plan, notes of lesson, lab manuals and question banks are made available in college website at the beginning of each semester.
- Course files are maintained by all the faculties with all the documents necessary for the implementation of the action plan.
- CO-PO mapping is formulated for each subject based on the objective of Syllabus.CO-PO Mapping for Question Paper and Assignment are prepared.
- Besides traditional classrooms with a blackboard, every classroom is equipped with an E-classroom with LCD projector and internet connectivity.
- Faculty regularly uses presentations and videos as teaching tools and encourages interactive learning among the students.
- As per the norms of JNTUA, Ananthapuramu, Laboratory facilities are developed and additional experiments are conducted for a thorough understanding of the subjects.
- Laboratory manuals are prepared so that students can understand the practical subjects better and correlate with theory.
- Students' attendance for individual course is monitored through faculty log book, class log book and master attendance register.
- Academic performance of the students and the attendance of the students are maintained and recorded in each department.
- Performance of the students is regularly communicated to their parents.
- Principal conducts a meeting with all the HoDs once from time to time to review the faculty and students performance. Class committee meetings are conducted frequently to monitor the progress of theory and laboratory courses in line with lesson plans.
- The slow learners are identified based on their test performance and classroom interactions; extra support is provided to them through additional input by extra classes.
- Every department conducts guest lectures, seminars, workshops and symposiums on a regular basis to update the skill set of students and faculty.
- Industry interaction is provided to the students through activities like Industrial visits which provides real time exposure to the students, Industrial collaboration and signing MoUs to give exposure in practical needs and arranging workshops and seminars with eminent

industry resource persons. • Digital Library with e -Books available for access.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Quantity Surveying	Nil	11/03/2019	6	Employability	Skill Development
Green Techniques, Environmental Reporting and ISO 14001	Nil	07/09/2019	6	Employability Entrepreneurship	Skill Development
Labour laws and Legislation	Nil	26/10/2018	5	Employability Entrepreneurship	Skill Development
Supply Chain Management	Nil	07/12/2018	6	Employability Entrepreneurship	Skill Development
Consumer Behaviour	Nil	08/02/2019	6	Employability	Skill Development
Learning path in MS-EXCEL using Raptor - APSSDC	Nil	17/09/2018	6	Employability	Skill Development
Exploring Internet of Things with Raspberry Pi	Nil	03/08/2018	6	Employability	Skill Development
Verilog HDL Design and Simulation	Nil	04/01/2019	6	Employability	Coding Skills
Python Programming	Nil	16/08/2018	6	Employability	Coding Skills
Programming In Java	Nil	22/11/2018	6	Employability	Coding Skills
SQL PLSQL	Nil	27/03/2019	6	Employability	Coding Skills
MATLAB Programming	Nil	19/10/2018	6	Employability	Coding Skills
Industrial Automation With Plc	Nil	02/03/2019	6	Employability	Coding Skills
APSSDC - Dassaults 3D Experience (Level I)	Nil	02/07/2018	6	Employability	Skill Development

APSSDC - Dassaults 3D Experience (Level II)	Nil	17/12/2018	6	Employabil ity	Skill Development
APSSDC - Dassaults 3D Experience (Level III)	Nil	13/03/2019	6	Employabil ity	Skill Development
Structural Analysis using ETABS	Nil	19/09/2018	6	Employabil ity	Skill Development

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	ECE	02/07/2018
BTech	ECE	02/07/2018
BTech	ECE	02/07/2018
BTech	ECE	02/07/2018
BTech	ECE	02/07/2018
BTech	ECE	02/07/2018
BTech	ECE	02/07/2018
BTech	ECE	17/12/2018
BTech	ECE	17/12/2018
BTech	CSE	02/07/2018

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### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	ECE	02/07/2018
BTech	CSE	02/07/2018
BTech	EEE	02/07/2018
BTech	ME	02/07/2018
BTech	CE	02/07/2018
Mtech	ES	05/09/2018
Mtech	VLSID	05/09/2018
Mtech	CSE	05/09/2018
Mtech	CS	05/09/2018
Mtech	PEED	05/09/2018
Mtech	MD	05/09/2018
MBA	MBA	16/07/2018

### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	1804	0

### 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
TCS Company Specific Training	20/08/2018	131
Data Structures Training	26/09/2018	125
Wipro Specific Training	09/11/2018	122
Mphasis Specific Training	17/12/2018	124
Awareness programme on "Opportunities for Higher Studies in Abroad"	23/03/2019	311
Awareness programme on "Opportunities In Irrigation Department"	08/02/2019	61
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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	ECE	52
BTech	CSE	30
BTech	EEE	30
BTech	ME	16
BTech	CE	10
MBA	MBA	90
<a href="#">View File</a>		

### 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
<ul style="list-style-type: none"> <li>The purpose of collecting feedback is for obtaining, summarizing and documenting information on student and stakeholder perceptions of the quality and effectiveness of the Institute which helps in evaluation, accreditation and other academic quality assurance processes and activities. Policy Provisions</li> </ul>



General Provisions • All stakeholders have the opportunity to provide feedback. • Student feedback is a core component of program evaluation but feedback is also sought from Alumni, Parents, Industry partners and Academic peers. • Feedback is taken from mentioned stakeholders throughout the semester (from alumni and industry experts), beginning of the semester (faculty) and end of the semester (from students). It is analyzed and steps will be taken from time to time to improve and refine teaching process to have better outcomes. • A range of feedback mechanisms including surveys, informal comments and other participatory activities will be employed as appropriate. Feedback on Curriculum: • The Institute seeks student feedback in a form which can be captured, analyzed and reported every time a course is delivered through feedback on curriculum. • Stakeholder feedback is also collected regularly. Feedback Corrective Measures being followed: • All the feedbacks received from various stakeholders are summarized and analysis is carried out at department level. • Recommendations made from the feedback comprise, recommendations to Board of studies for changes in the syllabus of the university and the suggestions made to management on procurement of facilities and equipment. • Recommendations received from the heads are discussed in HODs meeting and forwarded to management for approval/ sanctions. • The whole objective of this policy is effective implementation of Curriculum for better learning and continuous improvement of the processes and practices. Feedback on Teaching and Learning: Collection of Feedback: • The institute regularly collects the feedback on all the Courses in order to analyze the performance of faculty in every semester. • The feedback from students will be taken twice in a semester to evaluate the faculty performance in class room teaching on different parameters on a 5 point scale through online. • The feedback is analyzed and evaluated on the score of 5 and every faculty is provided with a copy of feedback for making necessary corrective action. Feedback Corrective Measures being followed: • HOD speaks to the concerned faculty to appreciate or suggest necessary improvements in teaching. • The staff members who got above 90 are appreciated for their excellent efforts and who got above 70 to 89 are appreciated for their good efforts. • Staff members who get average feedback below 60 are identified and are given orientation lectures and special inputs by the HOD and will be sent to attend FDP or workshops on teaching methodologies or technical concepts. Feedback on facilities: Feedback collection Process: • The institute regularly collects the feedback on the various facilities offered to the students. • This feedback is also collected from employers, parents, alumni, faculty and hostlers and the analysis of the feedback is done in order to carry out any corrective measures.

## 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
Mtech	PEED	24	1	5
Mtech	VLSID	24	21	5
Mtech	ES	18	25	8
Mtech	CS	24	7	0
Mtech	CSE	18	29	9
BTech	CE	60	57	47
BTech	ME	120	152	85
BTech	ECE	120	326	120

BTech	CSE	120	307	120
BTech	EEE	60	90	59
<a href="#">View File</a>				

## 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	1736	229	130	28	21

## 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	Number of smart classrooms	E-resources and techniques used
179	179	35	35	7	Nil

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

• Mentoring students is a unique, interactive and target oriented system involving student to address common student concerns ranging from anxiety, stress, fear of change and failure to home sickness and a slew of other academic worries. • It is a process of creating a supporting relationship with teachers, parents and students aiming at comprehensive development of students. • In this activity, mentor helps a less experienced student to bring with them a higher level of experience for values of life. Mentoring helps to shape an individual's beliefs and values in a positive way. • There are many benefits of mentorship in student development that includes communication, interpersonal relationship, technical, verbal and leadership skills along with creative thinking and motivating students for extracurricular activity. The student mentoring system is aimed-

1. To enhance teacher –student relationship.
2. To enhance student's academic performance and attendance.
3. To support the students to realise their professional and career goals
4. To minimize student's dropout (detain) ratio and grievances
5. To monitor the student's regularity and discipline.
6. To enable the parents to know about the performance of regularity of wards.

To prepare the students to face the real time challenges in the lives to handle isolation, anxiety, depression and other health problems. • Through counselling, individual can explore alternatives, build on individual strengths and develop new skills. The feelings and concerns about family, friends, health and work deserve attention. • Counselling gave the opportunity in a quiet and supportive environment to take the time to stop, think and plan. With sensitive and caring feedback, individual will gain new awareness and learn to deal with challenges in new and productive ways. • The mentor establishes the contact with the parents through telephonic discussion, appraise them about the development of their ward. The mentee meets the mentors once in a fortnight and the observations about mentee viz. achievements, doubts, fears, grievances etc. are recorded. • Based on which, the student is counselled in the necessary areas/ issues where he/she needs mentoring. • Depending on the severity of issues of mentee, he/she is forwarded to central counselling where the mentee is counselled by professional counsellors. • The timely and extensive implementation of mentoring generates healthy interaction between students, parents and teachers and results in less student grievances. The Mentoring activity at VEMU IT is helping the students for overall comprehensive development. • The Institute is emphasizing towards enhancement of the institutional ambience to better serve the needs of an ever-changing and dynamic learning community.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
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1965

179

1:11

**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
179	140	39	39	22

**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
2018	Ms.V Bharathi	Assistant Professor	Rare Distinction of getting 100 results in the subject of Radar System For IV-1 SEM
2018	Dr.G.Elayaraja	Professor	Certificate of Reviewing for Concurrency and Computation: Practice and Experience
2018	Mr.R. Mallikarjun Reddy	Associate Professor	Rare Distinction of getting 100 results in the subject of Instrumentation For IV-1 SEM
2018	Mr. C.S.Murali mohan	Assistant Professor	Certificate of best paper award Intelligent Solar Panel Based Automatic Plant Irrigation System for Agriculture
2018	Dr. M.Suguna	Professor	Associate Fellow
2018	Sailakshmi Chavan	Associate Professor	Certificate of best paper award on Inclusive and Equitable quality education in ELT
2018	K Venkatadri	Assistant Professor	Certificate of best paper award on Applications of Fluid Dynamics

[View File](#)**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
BTech	01,02,03,04,05	I	26/11/2018	03/11/2019
BTech	01,02,03,04,05	II	20/05/2019	20/09/2019
BTech	01,02,03,04,05	III	26/11/2018	26/02/2019
BTech	01,02,03,04,05	IV	20/05/2019	31/08/2019
<a href="#">View File</a>				

#### 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Following are the evaluation reforms introduced by the institution: The introduction of two sets of question papers for internal examinations. • The introduction of additional unit tests (fortnight) upon completion of every unit to assess students on a regular basis. • In addition, the institution also includes evaluation through seminars, class participation, projects, assignments and presentations. • The institution adheres to the academic calendar of the university along with the college calendar for conduct of examinations. • The internal examinations are conducted honestly and seriously appointing observers and coordinators by the Head of the Institution. • The results are discussed by the respective faculty with the students and the students are encouraged to perform better. • The evaluated answer scripts are given to the students and concerned for verification, if at all any doubt and clarification, the same will be clarified by • the respective faculty. • The marks secured by the students will be displayed on the notice board and the same will be communicated to their parents too. • The academic counselors review the performance of the individual student and offer suggestions to improve their performance in the forthcoming examinations. • The HODs review the performance of the students in the internal examinations and take necessary steps to improve teaching-learning process accordingly. • The Principal reviews the performance of the students with all HODs and takes further steps for improvement of the teaching-learning process.

#### 2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Adherence to Academic Calendar • Every year, the academic calendar is scheduled by the JNTUA. Based on the university calendar, the institution prepares its own academic calendar and teaching plan and also follows various instructional methods. • The institution follows the university calendar, which consists of details such as Duration of instruction, Schedule of internal examinations, Schedule of external examinations, Holidays. • The internal examinations, external examinations and practical examinations will be conducted as per the university calendar. , the scheduled dates will be intimated to the students, if any revisions will be taken by the university. • The schedule of Unit Tests is prepared by the institution, is appended to the Academic Calendar issued by the University. • Various departmental activities are planned to be organized by the respective departments, are included in the Academic Calendar well in before communicating to the students.

### 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://www.vemu.org>

### 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
05	BTech	COMPUTER SCIENCE & ENGINEERING	91	68	74.7
04	BTech	ELECTRONICS & COMMUNICATION ENGINEERING	105	84	80
03	BTech	MECHANICAL ENGINEERING	49	37	75.5
02	BTech	ELECTRICAL & ELECTRONICS ENGINEERING	41	36	87.8
01	BTech	CIVIL ENGINEERING	42	26	61.9

[View File](#)

### 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)

[http://vemu.org/assets/Students\\_Satisfaction\\_Survey-vemu.doc](http://vemu.org/assets/Students_Satisfaction_Survey-vemu.doc)

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

3.1.1 – 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
Industry sponsored Projects	180	RAVANDS Plastech	2.1	1.5
Industry sponsored Projects	114	Pavan Empower Solutions	0.35	0.35
Industry sponsored Projects	114	Pavan Empower Solutions	0.3	0.3
Industry sponsored Projects	92	Shreram Instruments	0.66	0.66
Industry sponsored	100	Ravands Plastech	0.52	0.52

Projects				
Industry sponsored Projects	40	Vijayam Degree college	0.5	0.5
Industry sponsored Projects	100	Ravands Controls	0.53	0.53
Industry sponsored Projects	190	VEMU Society	0.8	0.8
Industry sponsored Projects	25	Emerald's Degree college	0.5	0.5
Industry sponsored Projects	120	Vijayam Degree College Chittoor	0.65	0.65
<a href="#">View File</a>				

### 3.2 – Innovation Ecosystem

3.2.1 – 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
Workshop on Patents drafting	CSE	20/08/2018
Awareness on Patent Importance	MBA	06/09/2018
A Two Day Workshop on Ideas to Reality	ME	08/02/2019

3.2.2 – 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
Rare Distinction of getting 100 results	Ms.V Bharathi	Vemu Institute Of Technology	24/02/2019	Teaching
Certificate of Reviewing for Concurrency and Computation: Practice and Experience	Dr.G.Elayaraja	ICASET_18	12/12/2018	Innovation
Rare Distinction of getting 100 results	Mr.R. Mallikarjun Reddy	Vemu Institute Of Technology	24/02/2019	Teaching
Certificate of best paper award Intelligent Solar Panel	Mr. C.S.Muralimohan	ICASET_18 (journal) conducted at sri sai rama college of	10/11/2018	Innovation

Based Automatic Plant Irrigation System for Agriculture		engineering bangalore		
Certificate of best paper award Intelligent Solar Panel Based Automatic Plant Irrigation System for Agriculture	Mrs.K.Jayasree	ICASET_18 (journal) conducted at sri sai rama college of engineering bangalore	02/03/2019	Innovation
Rare Distinction of getting 100 results	N.DEVASENA	Vemu Institute Of Technology	24/02/2019	Teaching
Rare Distinction of getting 100 results	V.Geetha	Vemu Institute Of Technology	24/02/2019	Teaching
Certificate of best paper award	B. Pavan Kalyan	SIST, Puttur SIDDHARTH QUEST 2019	14/03/2019	Innovation
<a href="#">View File</a>				

### 3.2.3 – 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
<b>No Data Entered/Not Applicable !!!</b>					
No file uploaded.					

### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
	1	76

#### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
<b>No Data Entered/Not Applicable !!!</b>	

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	ECE	35	2.9
International	CSE	19	2.79
International	EEE	8	2.8
National	EEE	1	3.27

International	ME	4	3.8
International	MBA	2	7.08
International	HS	2	1.5
International	CE	6	1.67
<a href="#">View File</a>			

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

Department	Number of Publication
ECE	8
EEE	5
CSE	8
MBA	2
<a href="#">View File</a>	

3.3.5 – 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
Fast and Efficient Filter Using Wavelet Threshold for Removal of Gaussian Noise from MRI/CT Scanned Medical Images/Color Video Sequence	Dr.G.Elayaraja Dr.T Chandra Sekhar Rao	IETE Journal of Research	2019	3	Vemu Institute of Technology	0
<a href="#">View File</a>						

3.3.6 – 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
Fast and Efficient Filter Using Wavelet Threshold for Removal of	Dr.G.Elayaraja Dr.T Chandra Sekhar Rao	IETE Journal of Research	2019	3	1	VEMU IT



Gaussian Noise from MRI/CT Scanned Medical Images/Color Video Sequence					
<a href="#">View File</a>					

### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	4	38	0	0
Presented papers	30	10	0	0
Resource persons	0	2	0	0
<a href="#">View File</a>				

### 3.4 – Extension Activities

#### 3.4.1 – 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
Blood Donation Camp	Association with IRCS (Indian Red Cross Society) Blood Bank, Chittoor.	4	38
Swachh Bharat Program	VEMU Institute of Technology	2	31
Special NSS Camp-Vasanthapuram	VEMU Institute of Technology	5	54
Voter awareness slogan-Chandragiri and Chittoor	VEMU Institute of Technology	14	200
Women Empowerment program	VEMU Institute of Technology	14	208
Swachh Bharat Programme	VEMU Institute of Technology	2	44
Tree plantation	VEMU Institute of Technology	2	45
Blood Donation Camp	Association with IRCS (Indian Red Cross Society) Blood Bank, Chittoor.	4	46
Road Safety Awareness	VEMU Institute of Technology	5	52

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### 3.4.2 – 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
Road Safety Awareness	Appreciation Letter	Panchayat Hasan Puram	52
Blood Donation Camp	Appreciation Letter	Indian Red Cross Society	46
Special NSS Camp- Vasantha Puram	Appreciation Letter	Panchayat Vasanthapuram	54

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### 3.4.3 – 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 activities	Number of students participated in such activities
Swachh Bharat	VEMU Institute of Technology	Swachh Bharat Program	2	44
Awareness	VEMU Institute of Technology	Voter awareness slogan- Chandragiri and Chittoor	14	200
Gender Issue	VEMU Institute of Technology	Women Empowerment program	14	203
Swachh Bharat	VEMU Institute of Technology	Swachh Bharat Programme	2	31
Awareness	VEMU Institute of Technology	Road Safety Awareness	5	52
Social Awareness	VEMU Institute of Technology	AIDS Awareness	16	194

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### 3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Consultancy	Dr.T.Chandrasekhara Rao	Pavan Empower solutions	6
Consultancy	Mrs. M.Poornima	Pavan Empower solutions	6
Consultancy	Dr. A.Pulla Reddy	Pavan Empower solutions	6

Consultancy	Dr.S.Vasanthaswaminathan	Pavan Empower solutions	6
Consultancy	Mr. C.S.Murali Mohan	Pavan Empower solutions	6
Consultancy	Dr.S.Vasanthaswaminathan	Ravands Plastech	6
Consultancy	Mr. P.H.Chandramouli	Ravands Plastech	6
Consultancy	Dr.A.Hema Sekhar	Vijayam Degree College Chittoor	6
Consultancy	M.Murali	Vijayam Degree College Chittoor	6
Consultancy	Dr.D.Chandra Sekhar	Ravands Controls	6
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3.5.2 – 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
MoU	Internship	SNAM Alloys	26/11/2018	18/12/2018	M Rajesh
MoU	Internship	Ravands Plastech	03/12/2018	29/12/2018	Puthalapattu Saichandu
MoU	Internship	Valika Electronics, Hyderabad	03/12/2018	29/12/2018	D.Pooja
MoU	Internship	TAKEOFF, Tirupati	26/11/2018	18/12/2018	G.Archana
MoU	Internship	TAKEOFF, Tirupati	26/11/2018	18/12/2018	G.Poojitha
MoU	Internship	VeeEee Technologies Solutions, Chennai	01/06/2019	29/06/2019	Mr. C.Munisai Krishna
MoU	Internship	Technotran Electronics Solutions, Nellore	05/06/2019	27/06/2019	Mr. A. Rajesh
MoU	Internship	TAKEOFF, Tirupati	03/06/2019	26/06/2019	Ms. T.Hymavathi
MoU	Internship	Pantech Solutions Chennai	03/06/2019	25/06/2019	Mr. C.Venkatesh

MoU	Internship	Green Corner Tech, Nellore	03/06/2019	12/07/2019	Mr. B. Jaswanth
<a href="#">View File</a>					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Valika Electronics, Hyderabad	26/10/2018	Industrial Visits/Internship, Workshop / PDPs / FDPs, Project Assistance, Innovation Projects etc.,	14
SS LAB Equipments - Hyderabad	26/06/2019	Industrial Visits/Internship, Workshop / PDPs / FDPs, Project Assistance, Innovation Projects etc.,	98
Shreram Instruments	17/08/2018	Industrial Visits/Internship, Workshop / PDPs / FDPs, Project Assistance, Innovation Projects etc.,	4
VEE Technologies Solutions, Chennai	15/07/2018	Industrial Visits/Internship, Workshop / PDPs / FDPs, Project Assistance, Innovation Projects etc.,	10
TAKEOFF, Tirupati	19/08/2018	Industrial Visits/Internship, Workshop / PDPs / FDPs, Project Assistance, Innovation Projects etc.,	12
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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
32400000	30073785

#### 4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Campus Area	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Newly Added
Class rooms	Newly Added
<a href="#">View File</a>	

#### 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 partially)	Version	Year of automation
New Gen Lib	Fully	3.1.4	2006

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	4030	1806509	3567	820188	7597	2626697
Reference Books	340	123608	154	41734	494	165342
Journals	64	94000	80	125708	144	219708
e-Journals	59190	300655	31000	83570	90190	384225
CD & Video	445	89000	105	210000	550	299000
Others (specify)	1098	167314	140	40256	1238	207570
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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
M.J.Chitraja, K.Guraiah	Optical Fiber Communication	E-RESOURCES	02/07/2018
T.Muni Reddy,	Embedded Systems	E-RESOURCES	02/07/2018

S.Arun			
G.Elairaja, R.Mallikarjuna Reddy	Microwave Engineering	E-RESOURCES	02/07/2018
P.H.Chandra Mouli, P.Vemaiah	Data Communications and Networking	E-RESOURCES	02/07/2018
N.Kiran Kumar, V.Bharathi	Radar Systems	E-RESOURCES	02/07/2018
S.Munirahtnam, T.Chandra Sekar rao	Digital Image Processing	E-RESOURCES	02/07/2018
V.Gowtham Prakash	Computer Organization	E-RESOURCES	02/07/2018
J V Pesha, M.Bhargavi	Digital Communication Systems	E-RESOURCES	02/07/2018
R.Rani	Linear Integrated Circuits and Applications	E-RESOURCES	02/07/2018
D.Reena, N.Gangadharam	Digital System Design	E-RESOURCES	02/07/2018
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwid th (MBPS/ GBPS)	Others
Existin g	699	12	122	0	1	0	6	42	0
Added	86	1	0	0	0	0	0	0	0
Total	785	13	122	0	1	0	6	42	0

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

122 MBPS/ GBPS
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##### 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
RF Integrated Circuits	<a href="http://vemu.org/course-details-ece">http://vemu.org/course-details-ece</a>
Computer Organization	<a href="http://vemu.org/course-details-ece">http://vemu.org/course-details-ece</a>
MEMS Microsystems	<a href="http://vemu.org/course-details-ece">http://vemu.org/course-details-ece</a>
Cryptography Network Security	<a href="http://vemu.org/course-details-cse">http://vemu.org/course-details-cse</a>
Human Computer Interaction	<a href="http://vemu.org/course-details-cse">http://vemu.org/course-details-cse</a>
Mobile Computing	<a href="http://vemu.org/course-details-cse">http://vemu.org/course-details-cse</a>
Flexible AC Transmission Systems	<a href="http://vemu.org/course-details-eee">http://vemu.org/course-details-eee</a>
Digital Signal Processing	<a href="http://vemu.org/course-details-eee">http://vemu.org/course-details-eee</a>

Control Systems Engineering	<a href="http://vemu.org/course-details-eee">http://vemu.org/course-details-eee</a>
Automobile Engineering	<a href="http://vemu.org/course-details-mech">http://vemu.org/course-details-mech</a>
Dynamics of Machinery	<a href="http://vemu.org/course-details-mech">http://vemu.org/course-details-mech</a>
Mechanics of Solids	<a href="http://vemu.org/course-details-mech">http://vemu.org/course-details-mech</a>
Engineering Geology	<a href="http://vemu.org/course-details-civil">http://vemu.org/course-details-civil</a>
Strength of Materials-I	<a href="http://vemu.org/course-details-civil">http://vemu.org/course-details-civil</a>
Surveying-I	<a href="http://vemu.org/course-details-civil">http://vemu.org/course-details-civil</a>

#### 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 incurred on maintenance of physical facilities
6000000	4330551	15000000	9939964.9

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, provide link)

1. The institute has well defined maintenance and utilization policy of all its physical resources and academic facilities which includes use of equipment in various laboratories, use of library, access to e-journals of the institute through internet login and password, use of computers and departmental laboratories. All the stakeholders have equal opportunity to use those facilities 2. A full-fledged website is available which is hosted by the college. The website consists of all the aspects related to academic and administrative policies and guidelines. 3. The physical, academic and support facilities like classrooms, labs, seminar halls, auditorium, computer centre, gymnasium, buses, boardroom, guest room etc., are well maintained and used based on the requirement as per the standard procedure. 4. Once the Calendar of Events is prepared in the beginning of the semester, the timetable for each section of every semester is prepared allotting the classrooms and the laboratories. This facilitates the optimum usage of resources. Classrooms, seminar halls laboratories: Class rooms and seminar halls come under daily maintenance. The administrative staff takes rounds of all the class rooms and seminar halls every day. In case of requirement for maintenance such as lights, fans, benches etc will be attended by maintenance staff. Laboratory in charge, along with laboratory assistant, ensures proper working of all equipment at the beginning of each semester. Repairs and Maintenance of laboratory equipment are initiated by the respective Laboratory In charge as and when required. As per the requirement, minor repairs are carried out by lab assistant/s. Faculty In charge and HOD handles the major repair/maintenance by placing order to the concerned equipment experts. Computers and allied Infrastructure: Routine computer maintenance, software installations, networking are handled by the CSE Department. Computer, LCD projectors and CC cameras maintenance and checking activity carried out by team of system engineer, hardware engineers and technicians. The equipment with major repair, are being repaired by outside agency. After receiving quotation for maintenance and repair charges necessary approval from college authorities and management is taken. Thereafter equipment is sent for repairing by issuing gate pass and the status of repair work is tracked. Library, Sports and Games: The librarian is the in charge for handling all the maintenance works. He takes care of utilization of books, computers and other learning materials in the library. The physical director takes responsibility for all repairs pertaining to sports equipment and courts. He

maintains courts properly on daily basis with the help of the maintenance staff. Electrical Facilities: Electricians are available round the clock to address power breakdown. They perform regular checks in classrooms and in the campus to ensure that all electrical fittings are in excellent condition. Buildings and Infrastructure: Maintenance of buildings and related areas are undertaken by the Maintenance Department. Maintenance staff consists of Qualified Electricians, Carpenters, Plumbers and other service personnel. Monitoring of the facilities is carried out regularly by the administrative officer.

<http://www.vemu.org>

## 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
Financial Support from institution	Merit Scholarships	53	538000
Financial Support from Other Sources			
a) National	Fee Reimbursement Scheme	1809	54863800
b) International	0	0	0

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#### 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 implementation	Number of students enrolled	Agencies involved
Soft skills	20/08/2018	130	FACE, ABC, SIX PHRASE, MISSION IGNITE
Communication skills	02/07/2018	344	VEMU IT
Language Lab	06/12/2018	383	VEMU IT
Mentoring	27/08/2018	1474	VEMU IT
Data Structures Workshop	16/07/2018	116	APSSDC, Vijayawada
Python Basics Workshop	06/08/2018	212	APSSDC, Vijayawada
Autocad Workshop	06/08/2018	85	APSSDC, Vijayawada
Revit Structure Workshop	10/09/2018	44	APSSDC, Vijayawada
Revit Architecture Workshop	17/09/2018	44	APSSDC, Vijayawada
APSSDC-IGDC - Introduction To Game Development	01/10/2018	63	APSSDC, Vijayawada



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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 passed in the comp. exam	Number of students placed
2019	Placement and Training (Campus Recruitment Training)	333	333	41	256

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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
8	8	7

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
16	1215	246	03	219	10

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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	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	B TECH	CSE	SRI VENKATESA PERUMAL COLLEGE OF ENGG. AND TECH	M.TECH COMPUTER SCIENCE AND ENGINEERING
2019	1	B.TECH	CSE	NARAYANA ENGINEERING COLLEGE	M.TECH SOFTWARE ENGINEERING
2019	1	B.TECH	CSE	SREE RAMA ENGINEERING COLLEGE	M.TECH COMPUTER SCIENCE AND ENGINEERING
2019	1	B.TECH	CSE	SIDDHARTH INSTITUTE OF ENGG. AND	M.TECH COMPUTER SCIENCE AND

				TECHNOLOGY	ENGINEERING
2019	1	B.TECH	CSE	GATES INSTITUTE OF TECHNOLOGY	M.TECH COMPUTER SCIENCE AND ENGINEERING
2019	1	B.TECH	CSE	SREE RAMA ENGINEERING COLLEGE	M.TECH COMPUTER SCIENCE AND ENGINEERING
2019	1	B.TECH	CSE	NARAYANA ENGINEERING COLLEGE	M.TECH SOFTWARE ENGINEERING
2019	1	B.TECH	ECE	VEMU Institute of Technology, P.Kothakota	VLISI Design (M.Tech)
2019	1	B.TECH	ECE	VEMU Institute of Technology, P.Kothakota	VLISI Design (M.Tech)
2019	1	B.TECH	ECE	Vellore Institute of Technology	Embedded Systems (M.Tech)

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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
CAT	1
Any Other	9

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

Activity	Level	Number of Participants
Drama	Institution	18
Dance	Institution	80
Throwball	Institution	18
Kabaddi (Boys)	Institution	37
Basketball	Institution	50
Volleyball	Institution	68
Cricket	Institution	48

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### 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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
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2019	INDO NEPAL T-20 CRICKET SERIES	National	1	Nil	164M1A0406	K JASWANTH
2019	INDO NEPAL T-20 CRICKET SERIES	National	1	Nil	154M1A0451	K VIJAY KUMAR
<a href="#">View File</a>						

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

• VEMU IT creates a platform for the active participation of the students in the various academic and administrative bodies. This empowers the students in gaining leadership qualities, in following rules, regulations and execution of skills. • Students are active members in various committees like Library Committee, Student Welfare committee, Department Technical Associations, Sports clubs, Cultural clubs and National Service Scheme(NSS) etc to cater the overall growth and success rate of the institution. • Students are also members of various professional bodies where they organize and participate in technical activities. • Student are actively participating in organization of various activities related to academic, co-curricular and Extracurricular activities, with the guidance of faculty. • Student's council is headed by Principal as the Chairman and remaining positions like President, Vice President, General Secretary and Joint Secretary, are represented by students. • Student are also involved in implementation of Outcome Based Education. Their inputs are taken in to consideration in articulation of the Vision, Mission of the College and Department also in articulation of the PEOs of the programme. • Student inputs are taken as feedback on Course Outcomes, Feedback on faculty and Feedback on facilities of the college, which in terns contribute stake holders involvement to realize overall college vision, mission and quality policy.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

• Vemu Institute of Technology has good Alumni Network and established with title as VITAA (Vemu Institute of Technology Alumni Association). • The alumni support the institution and contribute to its institutional and academic development. • To organize and monitor different activities of Alumni Association, College has formed an Alumni Committee, where in Dean Student Affairs is appointed as Alumni Incharge and faculty incharges from all departments as members, for the coordination of our alumnus and also for communicating developments and events, taking place in the college. • These Alumni committee members meet whenever needed and plans for organizing Alumni talks, guest lectures, career development programs, workshops etc by Alumni who are in different cadres in different organizations. • Alumni committee organizes the annual alumni meet every year. Alumni meet provides them the platform to share their past and present experiences as well as to recall their memories in the institute with their teachers, juniors and friends. • Alumni participate and contribute to the development of the institute in the following ways: 1. Alumni regularly visit the campus and participate in knowledge sharing activities which would help current students to decide upon career either to opt for Higher Education or to seek placement in industry. 2. They intimate the current scenario regarding placements, expectations from industry and potential job opportunities in new emerging areas. 3. Alumni members are invited to deliver guest lectures and also act as the resource persons for Workshops and

seminars conducted on recent trends in technology. They also share their Professional experience to motivate the students. 4. Alumni feedback is taken periodically on curriculum, Programme Outcomes achievement, Overall college facilities etc. to understand the curricular gaps, institutional gaps and recent market trends. 5. Alumni support in conducting industrial visits at their organization. 6. They also assist students in getting Internships in Industry. 7. They arrange and support in placement activities for the students of the Institute. 8. Alumni members actively participate as judges in various technical and nontechnical competitions.

5.4.2 – No. of enrolled Alumni:

187

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

80000

5.4.4 – Meetings/activities organized by Alumni Association :

11-01-2019

## **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)

• In order to smooth conduct of various activities of administration and academics decentralization is being followed. • The college promotes participatory management at various levels through administering academic and administrative activities in uniform way as far as possible. • It adopts decentralization policy to effectively administering its functioning through various statutory and non-statutory committees. This helps in smooth conduct of academic, financial and administrative activities of the college. • The Principal wields the powers with regard to financial and to all the academic and administrative matters including the conduct of internal examinations. • Each of the departments has a head of the department who, in turn, assigns various tasks to different members of faculty. • As far as the administrative functions are concerned, the Administrative Officer looks after the activities executed by clerical, programming, data entry and ministerial staff. • On the whole, the members of faculty and non-teaching staff of the college believe in the dignity of labour, and all the functions of the college are meticulously planned, properly coordinated and perfectly executed. • The statutory committees are Governing Body, Academic Council and Finance Committee constituting with the members from Management, Principal, Faculty, University Nominees, Industry Members and academicians from various reputed Institutions. • The Governing Body delegates all the academic and operational decisions based on policy to the various monitoring committees headed by the Principal in order to fulfill the Vision and Mission of the Institute. • The Non-Statutory committees are constituted with the members from Principal, Deans, HODs, Faculty and Staff. • The following are the Non-Statutory committees: • Internal Quality Assurance Cell • Anti-Ragging Committee • Grievances and Redressal Cell • Women Grievance and Empowerment Cell • SC / ST Cell • Placement Training • Library Committee • Alumni Committee • Sports Committee • Centre for Innovation and Entrepreneurship (CIE) • Industry Institute Interaction Cell • Transport Committee • Disciplinary Committee • Research and Development Committee • Newsletters Committee • Student Welfare, Co-Curricular, Extra Curricular Activities Committee • Examination Committee • Internal Complaints Committee • Planning and Development Committee • The roles and responsibilities are defined for each committee. The committee meets once or Twice in a Year.

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
Industry Interaction / Collaboration	<ul style="list-style-type: none"> <li>• The institute facilitates exposure of industrial atmosphere to students through industrial visits.</li> <li>• Industry Institute Interaction Cell (IIIC) / Centre for Innovation and Entrepreneurship (CIE) has MoUs with reputed industries.</li> <li>• The collaboration is focused on industrial training, curriculum development, technical workshops and expert lectures.</li> <li>• IIIC Encourages consultancy with or without financial benefits</li> <li>• Students are deputed for Internship the concerned Industries</li> </ul>
Human Resource Management	<p>The college has excellent human resource management strategies.</p> <ul style="list-style-type: none"> <li>• Recruitment of faculty and staff is carried out as per AICTE norms</li> <li>• The recruitment procedures are well defined</li> <li>• HR Policy Document of the College is available on the website and it is ensured that all the faculty are aware of rules and regulations</li> <li>• Teaching and Non-Teaching posts are filled as per requirement</li> <li>• The recruitment is approved by the governing body</li> <li>• Faculty Recruited through local selection committee will be ratified by the University</li> <li>• The grievance cell addresses issues for both staff and students.</li> <li>• Salaries are paid through Bank for all the staff</li> <li>• Orientation programs / training are conducted for newly recruited faculty.</li> <li>• Quality enhancement measures are taken by deputing faculty to FDPs/STTPs</li> <li>• Collecting online feedback and counselling/ Mentoring on regular basis.</li> </ul>
Library, ICT and Physical Infrastructure / Instrumentation	<ul style="list-style-type: none"> <li>• ICT:The institute regularly increases ICT facilities for classrooms, tutorial rooms, seminar halls and laboratories. The institute regularly enhances the Internet connectivity facility. The institute regularly enhances the power backup facility for laboratories.</li> <li>• Library:Library committee gives guidelines for improving the quality of</li> </ul>

library resource. E-journals like IEEE, DEL NET etc are subscribed. E-journals institutional login enables the faculty and students for their academic and research works. New books/journals are purchased every year to update the library. Each Department has own Library facility that includes text books, project and research papers published • Physical Infrastructure: Physical infrastructure is increased to meet the demand of recent trends, new regulation and increase of intake. All the class rooms are equipped with LCD Projectors. Seminar Halls and Auditorium with seating capacity of 200 and 600 are available.

**Research and Development**

- Research and Development Cell is formed to promote Research and Development in the institute.
- The cell includes faculty, academicians and researchers. The cell meets regularly and delivers guidelines for quality improvement in R D.
- The institute motivates the faculty to undertake research projects in AICTE.
- The institute motivates the faculty to undertake research activities through doctoral Programmes.
- Providing incentives for publishing research papers in referred journals with impact factor.
- Providing financial Assistance, incentives and Academic Leaves to faculty for presenting and publishing Research papers in National/International Conferences/Seminars
- Sanctioning Academic leave for Research Work
- Getting recognition for department research centers from Parent University.
- Providing seed money and In house funding for Research activities.
- Deputation of faculty to participate in workshops, seminars
- Financial Support for patent filing.
- Continuous upgradation of labs with the latest equipment and software to meet research needs
- Financial support to the students for executing Industry standard projects

**Examination and Evaluation**

- As an affiliated college, follows affiliated University, JNTUA examination schedules.
- Two internal exams and one University exam will be conducted for each theory subject for 70 and 30 marks each.
- The Institute

designed the question paper for internal assessment in line with university norms. • Internal Assessment Questions with COs indication are given and the attainment of COs pertaining to the internal assessment can be viewed from the answer script. • Timely assessment of tests is done and the result is displayed in notice boards. • The faculty contributes in the examination work like question paper setting, invigilation of theory examination, evaluation of answer scripts, internal examiner and subject experts for the University examinations assessment of theory examinations' answer books. • End Theory examination and practical examinations are conducted as per University schedule and norms.

Teaching and Learning

• Experienced Faculty. • Subject allotment based on faculty expertise and choice. • Establishment of the lesson plan for every subject well before the commencement of each semester inline with university academic calendar. • Tutorial classes for interactive learning. • Identification of Slow and Advanced learners and initiating necessary action. • Organizing student seminars, conferences, workshops and guest lectures on recent trends and developments in respective subjects. • Skill Development Courses to make students industry ready • Campus recruitment training for better placements. • Conducting Internships drives for students to makes them industrial exposure • Value added courses and Add-on courses for overall development of students. • Organizing GATE and other competitive exams coaching classes • Encouraging self-learning. • Digital library with e-journals NPTEL video lectures.

Curriculum Development

Our institute affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu, it abides by the changes in curriculum prescribed by the University.

Admission of Students

Admission into First year of Four Year B. Tech. Degree Program of study in Engineering: • Eligibility: A student seeking admission into the first year of four year B. Tech. Degree Program should have (i) Passed either

Intermediate Public Examination (I.P.E) conducted by the Board of Intermediate Education, Andhra Pradesh, with Mathematics, Physics and Chemistry as optional subjects or any equivalent examination recognized by Board of Intermediate Education, Andhra Pradesh or a Diploma in Engineering in the relevant branch conducted by the Board of Technical Education, Andhra Pradesh or equivalent Diploma recognized by Board of Technical Education for admission as per the guidelines of Andhra Pradesh State Council for Higher Education (APSCHE). (ii) Secured a rank in the EAMCET examination conducted by APSCHE for allotment of a seat by the Convener, EAMCET, for admission into the program offered by the Institution.

- Admission Procedure: Admissions are made into the first year of four year B.Tech. Degree Program as per the stipulations of APSCHE. (a) Category A seats are filled by the Convener, EAMCET. (b) Category B seats are filled by the Management. Admission into the Second year of B. Tech. Degree Program in Engineering Eligibility: • A student seeking admission under lateral entry into the II year I semester B. Tech. Degree Program should have passed the qualifying exam and based on the rank secured by the student at Engineering Common Entrance Test (FDH) in accordance with the instructions received from the Convener, ECET and Government of Andhra Pradesh. • Admission Procedure: Admissions are made into the II year of four year B. Tech degree Program through Convener, ECET (FDH) 20 against the sanctioned strength in each Program of study under lateral entry scheme. Admission into first year of two Year M.Tech degree program of study: Eligibility: • Admission to the M.Tech degree program shall be made subject to the eligibility, qualifications and specialization prescribed by APSCHE. • Admissions shall be made based on the rank secured in PGECET examination conducted by Andhra Pradesh State Council for Higher Education (or) GATE examination for allotment of a seat by the Convener, PGECET subject to reservations prescribed by the University or policies formed by the Government of Andhra Pradesh from time



to time. Admission Procedure: • Admissions are made into the first year of two year M.Tech program as per the stipulations of Andhra Pradesh State Council of Higher Education (APSCHE), Government of Andhra Pradesh. (a) Category A seats are filled by the Convener, PGCET. (b) Category B seats are filled by the Management. Admission into first year of two Year MBA degree program of study:Eligibility: • Admission to the MBA degree program shall be made subject to the eligibility, qualifications and specialization prescribed by Andhra Pradesh State Council of Higher Education APSCHE, Government of Andhra Pradesh. • Admissions shall be made based on the rank secured in ICET examination conducted by Andhra Pradesh State Council for Higher Education for allotment of a seat by the Convener, ICET subject to reservations prescribed by the University or policies formed by the Government of Andhra Pradesh from time to time. Admission Procedure: • Admissions are made into the first year of two year MBA program as per the stipulations of Andhra Pradesh State Council of Higher Education (APSCHE), Government of Andhra Pradesh. (a) Category A seats are filled by the Convener, ICET. (b) Category B seats are filled by the Management.

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

E-governance area	Details
Student Admission and Support	<ul style="list-style-type: none"> <li>• Established Students service cell (SSC) to support and guide the students during admission.</li> <li>• SSC is the single window system which guides the students properly make them to apply for Fee Reimbursement schemes, scholarships etc.</li> <li>• Career counselling and placements training are initiated to the student by Training development department which makes them to grab the opportunity to place in various IT and as well non IT companies.</li> </ul>
Administration	<ul style="list-style-type: none"> <li>• Implemented library automation with new gen library software and barcode technology.</li> <li>• ERPs like e-cap is used to automate all the administrative related works.</li> </ul>
Finance and Accounts	<ul style="list-style-type: none"> <li>• Fully computerized office and accounts section.</li> <li>• Maintenance of the college accounts through Tally.</li> <li>• On</li> </ul>

	line salary payments. • No Cash Payments and Receipts
Planning and Development	<ul style="list-style-type: none"> <li>• Upgraded computers were installed in the department HOD Cabins, faculty cabins, Admin office, Examination center and Seminar halls with Internet to facilitate e-governance.</li> <li>• Implemented SMS and college Email system for dissemination of information including regular notice to all stakeholders.</li> <li>• Implemented SMS system for dissemination of information including regular notice to all Stakeholders.</li> <li>• All the administrative persons to disseminate and share their plans.</li> </ul>
Examination	<ul style="list-style-type: none"> <li>• Initiated online dissemination of information regarding invigilation duties.</li> <li>• Encouraging the students to pay the examinations fee through online mode.</li> </ul>

### 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
2019	Dr. S. MuniRathnam	Medical Image Segmentation using Fuzzy C-Means Algorithm	Nil	1000
2019	Dr. G. Elaiyaraja	Efficient MRI based Tumor Detection and Feature Detection using BWT and Cascade Feed Forward Neural Network	Nil	1000
2019	Mrs. R. Rani	Design and Implementation of Driver Drowsiness Detection System	Nil	1000
2019	Ms. V. Bharathi	PIC Controlled War Field Spy Robot with Bomb Detection and Night Vision Wireless Camera	Nil	1000

		by Android Application		
2019	Mr. C. S. Murali Mohan	Image Enhancement Technique And MSER Concept For Automatic Vehicle License Plate Recognition System	Nill	1000
2019	Mr. N. Kiran Kumar	Design Of Flip Flops Based On Quantum Dot Cellular Automata	Nill	1000
2019	Dr. A. Pulla Reddy	Low Power And High Speed 12T SRAM Using Half-Vdd Precharge	Nill	1000
2019	Mr. P H Chandra Mouli	Alcohol and Driver Drowsiness Detection Prevention of Accidents	Nill	1000
2019	Mr.R.Mallikarjuna Reddy	Design of Booth Multiplier using Efficient Carry Speculative Adder	Nill	1000
2019	Dr.Vasanth Swaminathan.S	VoIP based Voice Communication System for PSTN	Nill	1000
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the College 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)
2018	FDP on Outcome based curriculum through ICT	Nill	25/06/2018	29/06/2018	32	Nill

2018	Workshop on Total station and GPS	Nil	28/11/2018	28/11/2018	13	Nil
2018	Workshop on Network Trouble Shooting	Nil	26/12/2018	26/12/2018	Nil	18
2018	THREE DAY WORKSHOP ON "Protection, switch gear, Earthing and Electrical Installation"	Nil	06/09/2018	08/09/2018	Nil	5

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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
Faculty Development Program on Recent Trends and Research challenges in Computer science and engineering-systematic scientific Approach	6	07/06/2019	20/06/2019	6
Five Day FDP on "Cadence Tools VLSI Design"	11	20/05/2019	24/05/2019	6
Workshop on Translational Neural Engineering,	3	11/03/2019	15/03/2019	6

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time

179	179	141	141
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6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Subsidized Transport, Mobile Phone Bills, Subsidized Food	Subsidized Transport, Subsidized Food, EPF, ESI	Subsidized Transport, Subsidized Food, Accident 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 college has a well formulated financial policy which ensures effective and optimal utilization of finances for academic, administrative and development purposes. • Towards this end, every year, the budget is prepared centrally well in advance after taking into consideration the requirements of every department coupled with the strategic objectives of the institution. • The budget is reviewed by the management and approved after necessary changes. As and when required, the institute makes a provision for advance/additional funds. • The Governing Body approves the annual expenditure, scrutinizes the balance sheet and provides feedback for further optimal use of financial resources. • Financial audits are conducted by a certified auditor every financial year to verify the compliance with established financial processes. • The institute has a mechanism for internal and external audit. We have our internal audit mechanism where internal audit is an ongoing continuous process in addition to the external auditors to verify and certify the entire Income and Expenditure and the Capital Expenditure of the Institute each year. • Qualified Internal Auditors have been permanently appointed and a team of staff under them do a thorough check and verification in each financial year. • Likewise an external audit is also carried out on an elaborate way on quarterly basis. The institute regularly follows Internal, external financial audit system.

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
Nil	0	0
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6.4.3 – Total corpus fund generated

0
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**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	College of Engineering, SV University, Tirupathi MITS, Madana Palli SITAMS, Chittoor Mallardeey	Yes	Vemu Institute of Technology

		university, Hyderabad SVCET, Chittoor.		
Administrative	Yes	College of Engineering, SV University, Tirupathi MITS, Madana Palli SITAMS, Chittoor Mallardeey university, Hyderabad SVCET, Chittoor.	Yes	Vemu Institute of Technology

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

- Parents are invited to meet the course instructors in order to know their ward's performance
- Parents can also meet the mentors/HODs to know the all round performance of their ward
- Every year a meeting between Parent and Teacher would be held which facilitates discussion of student progress like academic progress and performance in examinations, etc.
- Further the Parent Teacher meeting paves way for suggestions to improve the performance of student

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

1. Workshop on AUTO-CAD
2. Workshop on Running Maintenance of IC engines
3. Workshop on Network Trouble Shooting
4. THREE DAY WORKSHOP ON "Protection, switch gear, Earthing and Electrical Installation"

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

1. Strengthening of Alumni Interaction Registration of Alumni Association.
2. Organizing more skill development Programmes for students.
3. Applied for NBA accreditation for three UG Programmes-ECE, CSE EEE

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
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
2018	Awareness on National Board of Accreditation	13/08/2018	13/08/2018	13/08/2018	115
2018	Talk on "Social Empowerment: A Way to Sustainable Development"	19/11/2018	19/11/2018	19/11/2018	86

2018	Workshop on Intellectual Property Rights	27/12/2018	27/12/2018	27/12/2018	107
2019	The workshop on "Blooms Taxonomy for Quality Enhancement in Teaching-Learning Evaluation	02/04/2019	02/04/2019	02/04/2019	109
2019	Ideation to Incubation" and "Establishing Startups"	20/05/2019	20/05/2019	20/05/2019	84

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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
Seminar on Women Rights	21/08/2018	21/08/2018	156	100
Debate on role of women in building the society	24/12/2018	24/12/2018	52	45
International Women's Day Celebrations	08/03/2019	08/03/2019	459	5

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

At Vemu Institute of Technology a grid interactive Solar PV Power plant rated 200 KW is functional, generated on an average 450 units every day. This renewable energy generation supplements day to day energy requirements of the college.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	0
Ramp/Rails	Yes	1

Braille Software/facilities	No	0
Rest Rooms	Yes	1
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0

#### 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
2018	1	1	29/09/2018	4	Road Safety Awareness	Awareness on safety of motorists	57
2018	1	1	26/10/2018	6	Blood Donation camp	Addressing the Importance of Blood Donation Donating Blood to the Hospital	50
2018	1	1	16/11/2018	3	Tree Plantation	Creating Awareness about Tree Plantation	47
2019	1	1	09/04/2019	4	Voter awareness Programme	Creating Awareness about importance of Vote and improving the voting percentage	214
2019	1	1	20/04/2019	4	Special NSS camp	Importance of cleanliness, eradication of mos	54



quitoes  
etc

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct for students	01/06/2017	<p>CODE OF CONDUCT FOR STUDENTS: 1. Each student shall conduct him/herself in a manner benefitting his association with VEMU IT. 2. He/ She is expected not to indulge in any activity, which is likely to bring disrepute to the college. 3. He/ She should show due respect and courtesy to the teachers, administrators, officers and employees of the college and maintain cordial relationships with fellow students. 4. Lack of courtesy, decorum, indecorous behaviour or untoward attitude both inside and outside the college premises is strictly prohibited. 5. Willful damage or discard of Institute's property or the belongings of fellow students are not at all accepted. 6. Creating disturbance in studies or adopting any unfair means during the examinations or breach of rules and regulations of the Institute or any such undesirable means and activities shall constitute violation of code of conduct for the student. 7. Ragging in any form is strictly prohibited and is considered a serious and punishable offence as per law. It will lead to the expulsion of the offender from the college. 8. Violation of code of conduct shall invite disciplinary action which</p>

		<p>may include punishment such as reprimand, disciplinary probation, debarring from the examination, withdrawal of placement services, cancellation of registration, etc., and even expulsion from the college. 9. Principal, based on the reports of the warden of Institute hostel, can reprimand, impose fine or take any other suitable measures against an inmate who violates either the code of conduct or rules and regulations pertaining to college hostel. 10. A student may be denied the award of certificate even though he/she has satisfactorily completed all the academic requirements if the student is found guilty of offences warranting such an action. 11. Attendance is not given to the student during the suspension period.</p>
Code of conduct for faculty	01/06/2017	<p>A Teacher 1. Shall live and lead by example in every sphere of conduct particularly to inculcate a culture in students. • To respect parents, teachers, elders. • To express the love and affection to students. • To accept and extend due respect to every religion and social grouping. • To love the Nation and commit them to the endeavors to Her progress. 2. Shall have a sense of belonging to the Institution. 3. Shall assume total dedication and commitment to the teaching profession. 4. Shall always have an urge to excel in professional expertise. A Teacher 1. Shall wear respectable attire, befitting the</p>

society's expectations.

2. Shall keep up immaculate personal hygiene at all times. 3.

Shall never appear untidy, through style of dressing, grooming of hair or in respect of any other ornament one wears.

4. Shall never have the habit of chewing, smoking or consumption of alcoholic drinks. 5.

Shall never gossip or discuss unauthentic information with peers or other members of public which might provoke a sensation or ill feeling of any sort. A Teacher 1.

Shall always listen to students with concern, whether it be in respect of doubts in the subject or it be relating to any personal help. 2. Shall always motivate the students, giving them a feeling of comfort and encouraging their enthusiastic expressions.

A Teacher 1. Shall attend to parents as a true representative of the Institution, clarify their doubts with concern and help them understand

the system in a better manner. 2. Shall confer with them on any special problem pertaining to their wards assist them in solving the problem and guiding them properly

on how and who to approach for further help. 3. Shall always give the parents authentic and correct information and never enter into any form of gossiping either relating

to the college or of fellow teachers, students or any other member of society. A Teacher 1.

Shall always accept the entity of fellow

		<p>teachers, honor their sentiments and respect their value system. 2. Shall always endeavor to assist fellow teachers, either in their teaching practice or in any form of adjustment required for discharging their responsibilities. 3. Shall always be responsive to societal needs.</p>
Students Hand Book	04/07/2018	<p>A student hand book is distributed to all the I-B.Tech students which contain the details like Infrastructure Facilities, Programs Offered, Choice Based Credit System, Academic Requirements, Award of Degree and Class, Placement and Training Details, Anti Ragging Act, Academic Calendar, etc.,</p>
Manual for students	02/07/2018	<p>Academic Regulations of a particular batch are made available in the college website which includes Promotion Rules, Course Structure, Calculation of CGPA, Award of Class etc.,</p>

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
National Unity Day	31/10/2018	31/10/2018	45
Guest Lecture on Social values and Professional Ethics	09/03/2019	09/03/2019	376
Seminar on "Significance of Engineering Projects in Societal Development"	14/08/2018	14/08/2018	385
World Blood Donation Day	14/06/2018	14/06/2018	54
International Yoga Day	21/06/2018	21/06/2018	157
Special NSS Camp	20/04/2019	20/04/2019	54

### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Energy conservation •The institute conducts its own in-house awareness programmes and adopts measures to ensure that the energy is conserved wherever possible •Every department follows a policy of switching on power only when required and switching off when not in use. In addition, all the departments have a check list of “end of day tasks” to be performed which includes switching off all unneeded power. •The buildings of the institution are designed to allow for the maximum use of natural lighting for use during the day. Tube lights and LEDs instead of the conventional bulbs sparingly only in places where natural light is not sufficient enough. •All the constructed have electrical installations that are designed to conserve energy. •Almost all the computer monitors in use are either LCD or TFT types to ensure minimum usage of electricity and also to reduce the level of radiation. 2. Water conservation and water harvesting •All the departments have been retrofitted with the modified plumbing to avoid wastage of water. •To increase the ground water level, the college maintains good drainage system that makes the rain water effectively diverted into sink pits. 3. Energy Conservation: •All the equipment in the labs undergo service periodically to reduce excessive consumption of power. •Class room power consumption is monitored with the help of Student Representatives. •Lighting with CFL LED lights is introduced in the Institute. 4. Use of renewable energy: •The college management is examining the proposal of utilizing the solar power as a non-conventional source of energy in a phased manner. •Solar heaters are being used in the boys and girls hostels. 5. Efforts for Carbon neutrality: The college management has taken required measures to prevent the emission of carbon dioxide in the campus by the following means. •By creating extensive garden facilities. •By creating a pollution free environment through monitoring that staff and visitors vehicles are parked outside the college gate. •Waste material, papers, old tires are not allowed to be burnt in the campus. 6. Plantation: •Tree plantation programmes are organized to ensure clean and green campus. •Awareness programmes on Environmental Pollution and Bio-diversity etc. are periodically conducted. •Plants, because of their beauty, are important elements of in human life. The entire campus has landscaping with green grass, Royal palms, Exotic Ornamental plants, and shady trees making the campus very green and beautiful. •The Institution has green and pollution-free atmosphere which has been encouraging to a good educational ambience. This lush green consists of Avenue trees, Border Plants, Flowering plants. In addition to these different varieties of Palms and other carpet grasses enhances the beauty of the campus.

### 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

1. Strengthening of Alumni relations: Objective: To develop a Strong-Alumni interaction for further development of college. The Context: An institutions alumni are the reflection of its past, representation of its present and a link to its future. Alumni are the brand-ambassadors of the institution they graduated from. We have seen many institutions declaring the list of their notable alumni as a way of connecting their successes with what the college has provided them. However, in this era of social networking, the connection with their past students doesnt stop with this. Our institution have realised how a strong and a positive relationship with our alumni can benefit the college socially, academically and professionally. The Practice: 1. To strengthen the interaction of the college with alumni, an alumni coordinator is appointed in each department. 2. The Alumni coordinator contacted the alumni of the college and developed a data base of alumni. 3. Alumni association is formed and registered. 4. Eminent alumni are invited to conduct motivational talks with

students. Evidence of success: 1. More alumni registrations in the association. 2. More interaction with alumni with students which helped the students to face the campus placements confidently. 3. Change in the attitude of students towards campus recruitment training. 2. Improvement of Skill Development in students: Objective: The main objective of the Skill Development programme is to provide adequate training in industry relevant skills and to create opportunities for the development of talent within the students and improve the overall scope and space for holistic development. The Context: As the demand for job-specific skills has been growing around the world, placement offering firms say that the quality and supply of skilled persons is a major requirement from the institutions. Employers are also demanding that new hires should have both technical and "soft" skills. The right skills in the workforce, firms can be more productive and competitive. In view of this, in our VEMU IT, more weightage is given to develop the skills among the graduates and make them company ready once they enter in to the organizations. Practice: 1. Helping students to discover their interests, aptitudes and potentialities through career counselling. 2. Orell- an interactive communication skill Software is being used to improve the communication skills of students. 3. Maximizing the potentialities of students and boosting self-confidence in them by organizing more training sessions in technical and soft skills. 4. Organizing more training programmes in latest technologies that are in high demand and have good job prospects through, APSSDC Skill development programmes. 5. Developing Technical Skills required for Placements through CodeTantra- an online interactive platform. 6. Organizing project competitions at department level to encourage innovative project ideas. 7. Additional experiments are being conducted in laboratories for more practical exposure of students. Evidence: 1. Improvement in quality of companies hiring the students. 2. Improvement in number of placed students. 3. Improvement in pay packages of placed students. 4. Improvement in number of students heading towards entrepreneurship. 5. More Mobile apps are developed by students addressing different needs.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.vemu.org>

### 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

Vemu Institute of Technology has a clear Vision statement: To be a premier institute for professional education producing dynamic and vibrant force of technocrats with competent skills, innovative ideas and leadership qualities to serve the society with ethical and benevolent approach. We have always aspired to be distinctive using a variety of aspects such as interdisciplinary research, motivating startups, innovative teaching pedagogy, value based education, empowering society through introducing projects and motivating entrepreneurship. VEMUIT allows the student to learn by making connections between ideas and concepts across different disciplinary boundaries. Students learning in this way are able to apply the knowledge gained in one discipline to another different discipline as a way to deepen the learning experience. The most effective approach to interdisciplinary study enables students to build their own interdisciplinary pathway between the courses offered in their respective semesters. A carefully facilitated induction programme in the first year ensures that students are educated on the benefits of interdisciplinary studies in the first year itself. Motivating Startups following the footsteps of the policy drafted by the AICTE, VEMUIT has a policy of promoting StartUps in its academic environment. Students are introduced to this policy through the First Year Induction programmes. VEMUIT strongly believes that technical

education institutes play an imperative role in shaping the Start up movement of a nation. We also have college students who have taken their business ideas to the next level and started out on their own as entrepreneurs. We have fully supported them in their journey and on the way both have gained from it.

Innovative Teaching Pedagogy VEMUIT has adopted innovative teaching pedagogy using ICT based Classrooms to help teachers in delivering the concept better, and produce more meaningful learning experiences by using audio/visual aids from various sources. 1. Group Classroom Experiments, 2. Role Plays, 3. Projects and Models, 4. Interactive Lectures, 5. Questioning, 6. Comprehensive and Continuous Assessment Societal Consciousness Social awareness and consciousness serve as a precursor to social movement. Educational institutions build moral essence and ethical values to produce socially desirable behavior, personality and character which promote innovation, peace, equal opportunities and justification among individuals, society and nation. Motivating Entrepreneurship VEMUIT considers entrepreneurship education very important to the educated youth. Taking in to consideration the decreasing number of opportunities and the increasing number of skilled youth, VEMUIT strives to produce the best to the entrepreneurial world.

Provide the weblink of the institution

[www.vemu.org](http://www.vemu.org)

### **8.Future Plans of Actions for Next Academic Year**

- Strengthening research and Innovative activities
- Applying for national level rankings by the Government Non-Government Organizations.
- Applying for NBA for three B.Tech Programmes-ECE, CSE EEE
- Establishing Institute-Innovation Council.
- Planning for conducting National Level Conference.
- More emphasis on Placements.
- Focus on submission of RD projects to the applicable funding agencies.
- Applying for Patents.