



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	VEMU INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	Dr Naveen Kilari
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

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		Self financed			
Name of the IQAC co-ordinator/Director		Dr S Murali Mohan			
Phone no/Alternate Phone no.		08572278723			
Mobile no.		9392547084			
Registered Email		iqac@vemu.org			
Alternate Email		muralimohanieeee@gmail.com			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		http://vemu.org/iqac-members			
4. Whether Academic Calendar prepared during the year		Yes			
if yes, whether it is uploaded in the institutional website: Weblink :		http://vemu.org/academic-calendar			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.85	2017	12-Sep-2017	11-Sep-2022
6. Date of Establishment of IQAC			06-Jul-2017		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries		
Work shop on on-line teaching Methodologies and open sources	10-Feb-2020 7		114		

A Talk on How to Publish a Technical Paper in SCI Journals	12-Dec-2019 7	91
Workshop on Funding agencies and Project submission	22-Nov-2019 7	97
One Day Workshop on Scopus Database Usage	21-Aug-2019 7	94
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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
Department	Modernization and Removal of Obsolescence (MODROBS) Advanced Integrated systems Lab	AICTE	2020 6	19.6
Department	PRERANA- Programme center for SC/ST Students	AICTE	2020 6	8
Faculty	Entrepreneurship Awareness Camp	EDII	2019 6	0.4
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

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.
- Procured Antiplagiarism software to enable the faculty to identify quality journals.
- Participated in National Institutional Ranking Framework (NIRF).
- Participated in Atal Ranking of Institutions on Innovation Achievements (ARIIA).
- Participated in Ranking of Institutions by WEEK magazine.
- Participated in Ranking of Institutions by Career 360, and achieved AAA.

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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	23-Jun-2020

15. Whether NAAC/or any other accredited

No

body(s) visited IQAC or interacted with it to assess the functioning ?	
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	18-Nov-2020
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 employability/entrepreneurship	Skill Development
PCB Design and Fabrication	Nil	09/08/2019	6	Employability	Skill development
Embedded Systems (IoT)	Nil	10/01/2020	6	Employability	Skill Development
PHP / HTML / CSS	Nil	20/07/2019	6	Employability	Coding skills
Android App Development	Nil	05/06/2020	6	Employability	Coding skills
Python Programming	Nil	06/01/2020	6	Employability	Coding Skills
SCI Lab	Nil	02/08/2019	6	Employability	Skill Development
MATLAB on Soft Computing - Fuzzy logic and Optimization Algorithms	Nil	02/01/2020	6	Employability	Skill Development
APSSDC - DASSAULTS 3D EXPERIENCE (LEVEL I)	Nil	07/08/2019	6	Employability	Skill Development
APSSDC - DASSAULTS 3D EXPERIENCE (LEVEL II)	Nil	11/11/2019	6	Employability	Skill Development
APSSDC - DASSAULTS 3D EXPERIENCE (LEVEL III)	Nil	26/02/2020	6	Employability	Skill Development
Building information modelling	Nil	30/07/2019	6	Employability	Skill Development
TEKLA structures	Nil	01/08/2020	6	Employability	Coding Skills

Consumer Behaviour	Nil	20/09/2019	6	Employability Entrepreneurship	Skill Development
Cost and Management Accounting	Nil	01/11/2019	6	Employability	Skill Development
Mobile Commerce	Nil	14/02/2020	6	Employability	Skill Development
Training of C programming on CODETANTRA tool	Nil	18/11/2019	6	Employability	Coding Skills

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	EEE	05/08/2019
BTech	EEE	05/08/2019
BTech	CIVIL	05/08/2019
BTech	CIVIL	05/08/2019
BTech	CIVIL	05/08/2019
BTech	CIVIL	05/08/2019
BTech	CIVIL	05/08/2019
BTech	CIVIL	05/08/2019
BTech	CIVIL	05/08/2019
BTech	CIVIL	05/08/2019
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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	08/07/2019
BTech	CSE	08/07/2019
BTech	EEE	08/07/2019
BTech	ME	08/07/2019
BTech	CE	08/07/2019
Mtech	ES	26/08/2019
Mtech	VLSID	26/08/2019
Mtech	CSE	26/08/2019
Mtech	CS	26/08/2019
Mtech	PEED	26/08/2019
Mtech	MD	26/08/2019

MBA	MBA	08/07/2019
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1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	1973	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
Generic CRT	19/06/2019	151
TCS Company Specific Training	15/07/2019	121
Wipro-Elite Talent Hunt Training	10/10/2019	122
CTS Company Specific Training	17/09/2019	136
Career guidance program on "GATE Awareness"	12/10/2020	106
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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	28
BTech	CSE	18
BTech	EEE	45
BTech	ME	25
BTech	CE	12
MBA	MBA	72
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<ul style="list-style-type: none"> 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 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
MBA	MBA	180	162	121
Mtech	CS	24	15	2
Mtech	CSE	18	31	13
BTech	CIVIL	60	49	20
BTech	ME	120	138	60
BTech	EEE	60	104	55
BTech	CSE	120	316	120
BTech	ECE	120	320	120

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1735	275	130	28	20

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
178	178	39	39	7	Null

[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. 7. 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
2010	178	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
178	140	38	38	29

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
2019	Dr .G.ELAYARAJA	Professor	Rare Distinction of getting 100 results in the subject of Embedded System For IV-1 SEM
2020	Dr .G.ELAYARAJA	Professor	Certificate of Reviewing for Concurrency and Computation: Practice and Experience
2019	Mr. P.H. Chandramouli	Assistant Professor	Certificate of best paper on IOT based advanced health care monitoring systems using WSN
2019	Dr. U.Sasikala	Associate Professor	Certificate of best paper award on Nano Materials
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	01,02,03,04,05	V	25/11/2019	02/12/2020
BTech	01,02,03,04,05	IV	18/05/2020	20/01/2021
BTech	01,02,03,04,05	III	25/11/2019	24/02/2020
BTech	01,02,03,04,05	II	01/06/2020	25/02/2021
BTech	01,02,03,04,05	I	01/02/2020	21/05/2020
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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
01	BTech	CIVIL ENGINEERING	30	29	96.67
02	BTech	ELECTRICAL & ELECTRONICS ENGINEERING	52	48	92.31

03	BTech	MECHANICAL ENGINEERING	63	53	84.12
04	BTech	ELECTRONICS & COMMUNICAT ION ENGINEERING	119	114	95.79
05	BTech	COMPUTER SCIENCE & ENGINEERING	110	102	92.72
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2.7 – Student Satisfaction Survey

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

<https://www.vemu.org>

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	54	Young Minds Technology Solutions, Tirupathi	0.9	0.9
Industry sponsored Projects	110	GSR Magnet School, Tirupati	0.3	0.3
Industry sponsored Projects	Nil	TCS	1.58	1.58
Industry sponsored Projects	90	Takeoff Edu Group	0.3	0.3
Industry sponsored Projects	90	Takeoff Edu Group	0.35	0.35
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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 Legislations covering IPRs in India	MBA	21/10/2020
Workshop on Patent Process	ME	20/01/2020

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	Dr.G.Elayaraja	Vemu Institute Of Technology	05/03/2020	Teaching
Certificate of Reviewing for Concurrency and Computation: Practice and Experience	Dr.G.Elayaraja	IJST-19	16/12/2019	Innovation
Certificate of best paper on IOT based advanced health care monitoring systems using WSN	Mr. P.H. Chandramouli	Journal of Interdisciplinary Cycle Research	13/10/2019	Innovation
Rare Distinction of getting 100 results	MsV.GEETHA	Vemu Institute Of Technology	05/03/2020	Teaching
Certificate of best paper	R.Lakshmi Prasanna	POUVOIR 2K20, PSREC, Sivakasi,T.N	24/01/2020	Innovation
Certificate of best paper	S.N.Naveen	POUVOIR 2K20, PSREC, Sivakasi,T.N	24/01/2020	Innovation
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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
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
	4	73

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

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

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	9	2.8

International	EEE	9	2.6
International	CSE	26	2.9
International	CE	2	1
International	ME	15	1.2
International	HS	1	2.1
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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
EEE	5
ECE	2
CSE	5
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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
Short-term prediction of intersection turning volume using seasonal ARIMA model	G. Omkar	Transportation Letters, The International Journal of Transportation Research (Taylor Francis)	2019	2	YES	2
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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
Short-term prediction of intersection turning volume using seasonal ARIMA model	G. Omkar	Transportation Letters, The International Journal of Transportation Research (Taylor Francis)	2019	20	0	YES
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	21	Nil	Nil
Presented papers	8	2	Nil	Nil
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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
Women Empowerment Programme - Vasanthapuram Village	VEMU Institute of Technology	5	29
International Yoga day	VEMU Institute of Technology	4	84
Swachh Bharat Program	VEMU Institute of Technology	3	58
Special NSS Camp - Vasanthapuram	VEMU Institute of Technology	3	32
Tree plantation	VEMU Institute of Technology	4	59
Eye Check-up Camp	Rupam's Spectra World Eye Clinic, Tirupati.	4	98
Awareness Programme on Corona Virus- ZP High School, P.Kothakota	VEMU Institute of Technology	14	117
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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
Special NSS Camp - Vasanthapuram	Appreciation Letter	Panchayat Vasanthapuram	32
Awareness Programme on Corona Virus- ZP High School, P.Kothakota	Appreciation Letter	ZP High School, P.Kothakota	117
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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/Agen	Name of the activity	Number of teachers	Number of students
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	cy/collaborating agency		participated in such activities	participated in such activities
Awareness	ZP High School, P.Kothakota	Awareness Programme on Corona Virus	14	117
Swachh Bharat	VEMU Institute of Technology	Swachh Bharat Program	3	58
Gender Issue	Vasanthapuram Village	Women Empowerment Programme	5	29
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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	Ms. C. Geetha	Takeoff Edu Group	6
Consultancy	Mr. Mallikarjuna Reddy	Takeoff Edu Group	6
Consultancy	Ms. J.V.Pesha	Takeoff Edu Group	6
Consultancy	Dr. A.Pulla Reddy	Takeoff Edu Group	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	10/12/2019	22/12/2019	P PURUSHOTHAM
MOU	Internship	SNAM Alloys	10/12/2019	22/12/2019	N JYOTHISH
MOU	Internship	Ravands Plastech	09/12/2019	28/12/2019	A R LEELA SAI
MOU	Internship	Ravands Plastech	09/12/2019	28/12/2019	A GOWTHAM
MOU	Internship	TAKEOFF, Tirupati	10/12/2019	26/12/2019	B. Pavana
MOU	Internship	TAKEOFF, Tirupati	10/12/2019	26/12/2019	A.Roja
MOU	Internship	TAKEOFF, Tirupati	09/12/2019	28/12/2019	Mr. Bala Bojjappa
MOU	Internship	TAKEOFF, Tirupati	09/12/2019	28/12/2019	Ms. A. Santhi Priya
MOU	Internship	Pantech	12/12/2019	26/12/2019	Ms. C.

		Solutions Chennai			Yamini
MOU	Internship	Pantech Solutions Chennai	12/12/2019	26/12/2019	Ms. A. Mounika
View File					

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
Apply Volt - Vijayavada	30/12/2019	Industrial Trainings / Internships, Project Assistance, FDPs/ Workshops, Technical Talks etc.,	10
Akademika - Pune	04/09/2019	Industrial Training/Internship	12
TAKEOFF	19/08/2019	Industrial Trainings / Internships, Project Assistance, FDPs/ Workshops, Technical Talks etc.,	8
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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
19000000	12380203

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Class rooms	Existing
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Seminar halls with ICT facilities	Existing
Campus Area	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Number of important equipments	Newly Added

purchased (Greater than 1-0 lakh)
during the current year

[View File](#)

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
ECAP -WEBPROSINDIA Solutions	Fully	Nil	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	7597	2626697	1004	91129	8601	2717826
Reference Books	494	165342	72	18225	566	183567
e-Books	Nil	Nil	1040	Nil	1040	Nil
Journals	144	219708	120	268088	264	487796
e-Journals	90190	384225	31190	602112	121380	986337
CD & Video	611	110000	82	16400	693	126400
Weeding (hard & soft)	Nil	Nil	500	Nil	500	Nil
Others (specify)	1238	207570	191	7910	1429	215480

[View File](#)

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
R.Mallikarjuna Reddy, M. Bhargavi	Optical Fiber Communication	E-RESOURCES	07/08/2019
G.Elairaja, P.Sireesha	Embedded Systems	E-RESOURCES	07/08/2019
V.Bharathi, K.Guraiah	Microwave Engineering	E-RESOURCES	07/08/2019
P.H.Chandra Mouli, M.Arunkumar	Data Communications and Networking	E-RESOURCES	07/08/2019
G.Sivakoteswararao, M.J.Chithraja	Radar Systems	E-RESOURCES	07/08/2019

D.Reena, S.Arun	Digital Image Processing	E-RESOURCES	07/08/2019
N.Latha Reddy	Computer Organization	E-RESOURCES	07/08/2019
B.Saroja, N.Gangadharam	Digital Communication Systems	E-RESOURCES	07/08/2019
R.Rani, P.Vemaiah	Linear Integrated Circuits and Applications	E-RESOURCES	07/08/2019
A.Pullu Reddy, B.Praveen Kumar	Digital System Design	E-RESOURCES	07/08/2019
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	785	12	122	0	1	0	6	122	0
Added	66	2	0	0	0	0	0	0	0
Total	851	14	122	0	1	0	6	122	0

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

122 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Optical Fiber Communication	http://vemu.org/course-details-eee
VLSI Design	http://vemu.org/course-details-eee
Advanced 3G 4G Wireless Communications	http://vemu.org/course-details-eee
Data Warehousing and Mining	http://vemu.org/course-details-cse
Object Oriented Programming using Java	http://vemu.org/course-details-cse
Formal Languages and Automata Theory	http://vemu.org/course-details-cse
Electrical Distribution Systems	http://vemu.org/course-details-eee
Energy Auditing Demand Side - Management	http://vemu.org/course-details-eee
Flexible AC Transmission Systems	http://vemu.org/course-details-eee
Electrical Power Transmission Systems	http://vemu.org/course-details-eee
Kinematics of Machines	http://vemu.org/course-details-mech
Finite Element Methods	http://vemu.org/course-details-mech
Heat Transfer	http://vemu.org/course-details-mech

Design Drawing of Steel Structures	http://vemu.org/course-details-civil
Engineering Geology	http://vemu.org/course-details-civil

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
5000000	4629099	15000000	11533511.36

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	0	0	0
Financial Support from Other Sources			
a) National	Nil	1628	52780700
b) International	Nil	Nil	Nil

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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	19/06/2019	150	Sixphrase, Talento, Seventh sense
Communication skills	09/07/2019	362	VEMU IT
Language Lab	05/08/2019	327	VEMU IT
Mentoring	19/08/2019	1562	VEMU IT
ROBO CAD WORKSHOP	05/08/2019	58	APSSDC, Vijayawada
CNC PROGRAMMING WORKSHOP	05/08/2019	65	APSSDC, Vijayawada
ROBO STUDIO Workshop	19/08/2019	62	APSSDC, Vijayawada
AUTO CAD WORKSHOP	11/11/2019	74	APSSDC, Vijayawada
REVIT ARCHITECTURE WORKSHOP	09/12/2019	28	APSSDC, Vijayawada
PYTHON PROGRAMMING WORKSHOP	16/12/2019	72	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	Number of benefited students by career	Number of students who have passed in the comp. exam	Number of students placed
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		examination	counseling activities		
2020	Placement and Training (Campus Recruitment Training)	246	246	39	260
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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
9	9	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
18	974	229	05	374	31
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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
2020	1	B.TECH	CSE	SRI VENKATESA PERUMAL COLLEGE OF ENGINEERING AND TECHNOLOGY	M.TECH COMPUTER SCIENCE AND ENGINEERING
2020	1	B.TECH	EEE	Wright State University, Dayton, Ohio, USA.	MS in Industrial controls and automation digital circuits design
2020	1	B.TECH	CIVIL	Hochschule Jena University of Applied Science, Jena, Germany.	MS in Scientific Instrumentation
2020	1	B.TECH	CSE	Hochschule Karlsruhe Technik Und Wirtschaft	MS in Sensor Systems Technology

				University of Applied Science, Germany.	
2020	1	B.TECH	CSE	GATES INSTITUTE OF TECHNOLOGY	M.TECH COMPUTER SCIENCE AND ENGINEERING
2020	1	B.TECH	CSE	SRI VENKATESA PERUMAL COLLEGE OF ENGINEERING AND TECHNOLOGY	M.TECH COMPUTER SCIENCE AND ENGINEERING
2020	1	B.TECH	CSE	SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY ,PUTTUR	M.TECH COMPUTER SCIENCE AND ENGINEERING
2020	1	B.TECH	CSE	SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES AUTONOMOUS	M.TECH COMPUTER SCIENCE AND ENGINEERING
2020	1	B.TECH	CSE	P.B.R VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE , KAVALI	M.TECH COMPUTER SCIENCE AND ENGINEERING
2020	1	B.TECH	CSE	NARAYANA ENGINEERING COLLEGE, NELLORE	M.TECH SOFTWARE ENGINEERING
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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
SLET	1
View File	

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

Activity	Level	Number of Participants
Drama	Institution	35
Dance	Institution	75
Throwball	Institution	25
Kabaddi (Boys)	Institution	37

Basketball	Institution	33
Volleyball	Institution	40
Cricket	Institution	67
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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
2020	YOUTH RED CROSS SPORTS MEET (KHO-KHO)	National	1	Nil	174M1A0221	K VINAY
Nil	ALL INDI A(SOUTH ZONE) INTER UNIVERSITY	National	1	Nil	184M5A0403	K SOMASEKHAR
Nil	ALL INDI A(SOUTH ZONE) INTER UNIVERSITY	National	1	Nil	174M1A0221	K VINAY
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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:

257

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

105000

5.4.4 – Meetings/activities organized by Alumni Association :

08-02-2020

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
Admission of Students	<p>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 (APCHE). (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.</p> <p>• 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</p>

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 PGCET examination conducted by Andhra Pradesh State Council for Higher Education (or) GATE examination for allotment of a seat by the Convener, PGCET 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.

Curriculum Development

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

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.

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.

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

Library, ICT and Physical Infrastructure / Instrumentation

- 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.
- Library: Library committee gives guidelines for improving the quality of 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.

Human Resource Management

The college has excellent human resource management strategies. • Recruitment of faculty and staff is carried out as per AICTE norms • The recruitment procedures are well defined • 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 • Teaching and Non-Teaching posts are filled as per requirement • The recruitment is approved by the governing body • Faculty Recruited through local selection committee will be ratified by the University • The grievance cell addresses issues for both staff and students. • Salaries are paid through Bank for all the staff • Orientation programs / training are conducted for newly recruited faculty. • Quality enhancement measures are taken by deputing faculty to FDPs/STTPs • Collecting online feedback and counselling/ Mentoring on regular basis.

Industry Interaction / Collaboration

• The institute facilitates exposure of industrial atmosphere to students through industrial visits. • Industry Institute Interaction Cell (IIIC) / Centre for Innovation and Entrepreneurship (CIE) has MoUs with reputed industries. • The collaboration is focused on industrial training, curriculum development, technical workshops and expert lectures. • IIIC Encourages consultancy with or without financial benefits • Students are deputed for Internship the concerned Industries

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"> Established Students service cell (SSC) to support and guide the students during admission. SSC is the single window system which guides the students properly make them to apply for Fee Reimbursement schemes, scholarships etc. 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.
Administration	<ul style="list-style-type: none"> Implemented library automation with new gen library software and barcode technology. ERPs like e-cap is used to automate all the administrative related works.
Finance and Accounts	<ul style="list-style-type: none"> Fully computerized office and accounts section. Maintenance of the college accounts through Tally. On line salary payments. No Cash Payments and Receipts
Planning and Development	<ul style="list-style-type: none"> Upgraded computers were installed in the department HOD Cabins, faculty cabins, Admin office, Examination center and Seminar halls with Internet to facilitate e-governance. Implemented SMS and college Email system for dissemination of information including regular notice to all stakeholders. Implemented SMS system for dissemination of information including regular notice to all Stakeholders. All the administrative persons to disseminate and share their plans.
Examination	<ul style="list-style-type: none"> Initiated online dissemination of information regarding invigilation duties. Encouraging the students to pay the examinations fee through online mode.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Mr.N.Kiran Kumar	Low power4-bit ALU using Full-Swing GDI Technique	Nil	1000
2020	Mr.P.H	IOT based	Nil	1000

	Chandramouli	advanced health care monitoring systems using WSN		
2020	Mr.B.Praveen Kumar	Smart embedded device for face recognition using Raspberry PI	Nill	1000
2020	Mr.G.Srihari	RF MEMS Switch for Reconfigurable Passive Devices with Higher Switching Speeds using Push Pull Configurations	Nill	1000
2020	Mrs.R.Rani	AIR,SOUND and Temperature Monitoring using sensors and IOT with Raspberry PI	Nill	1000
2020	Dr.S.Murali Mohan	A Survey of Research and Practices of Overloaded CDMA Crossbar for Network-On-Chip	Nill	1000
2020	Dr.G.Elaiyaraja	A Novel Method for Detection and Enhancement of Excudates in Digital Fundus Image using Superpixel Multi-Feature Classification and Block-Wise Splitting	Nill	1000
2020	Mr.G.Srihari	Reconfigurable RF MEMS Switch for Improved Switching Speeds using Push Pull Configurations	Nill	1000
2020	Dr. S. Muni Rathnam	One week online STTP on "Applications of Signal,	Nill	1000

Image and video processing in VLSI using XILINX system generator (Phase -III)", at Narayana Engineering College, Nellore (02-11-2020 to 07-11-2020)

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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)
2020	FDP on preserving environment - eco friendly systems	Nil	15/06/2020	19/06/2020	50	Nil
2019	FDP on Android Application Development	Nil	05/11/2019	07/11/2019	16	Nil
2020	Nil	Two day WORKSHOP ON "Basic parts of D.C A.C machines and hands on experience "	30/01/2020	31/01/2020	Nil	5
2019	Nil	Workshop on Water Quality Management	22/07/2019	27/07/2019	Nil	3

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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	Number of teachers who attended	From Date	To date	Duration
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development programme				
One week online STTP on "Applications of Signal, Image and video processing in VLSI using XILINX system generator Phase -III"	3	02/11/2020	07/11/2020	6
Five day Faculty Development Program on "Industrial IOT Using LoRa Technology"	26	01/06/2020	05/06/2020	6
One Week online FDP on "ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING"	8	25/05/2020	29/05/2020	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
178	178	166	166

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 Insurance0

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	Nil
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	College of Engineering, SV University, Tirupathi MITS, Madana Palli SITAMS, Chittoor Mallardeey university, Hyderabad SVCET, Chittoor.	Yes	Vemu Institute of Technology
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 Lathe Work 2. Workshop on Cement Concrete Mix Design 3. Internet of Things 4. Workshop on Calibration of Electronic Equipment

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

1. Fostering e-learning Practices 2. Fostering research Innovative activities
3. Strengthening placement training

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
2019	One Day Workshop on Scopus Database Usage	21/08/2019	21/08/2019	21/08/2019	94
2019	Workshop on Funding agencies and Project submission	22/11/2019	22/11/2019	22/11/2019	97
2019	A Talk on How to Publish a Technical Paper in SCI Journals	12/12/2019	12/12/2019	12/12/2019	91
2020	Work shop on on-line teaching Methodologies and open sources	10/02/2020	10/02/2020	10/02/2020	114

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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
Womens Day celebrations	07/03/2020	07/03/2020	354	10
Protection of Women Rights	25/02/2020	25/02/2020	458	6

Women Empowerment Programme - Vasanthapuram Village	20/06/2019	20/06/2019	29	5
Awareness programme on Women Health & Hygiene	23/01/2020	23/01/2020	397	4

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	0
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
2019	1	1	20/06/2019	4	Women Empowerment Programme - Vasanthapuram Village	Creating awareness about Women Empowerment	34
2019	1	1	16/09/2019	6	Special NSS Camp - Vasanthapuram	Importance of cleanliness, eradication of mos	35

						quitoes etc	
2019	1	1	28/01/2020	5	Eye Check-up Camp	Free Eye Check up for local communities	102
2020	1	1	13/02/2020	3	Awareness Programme on Corona Virus- ZP High School, P.Kothakota	Creating Awareness about Mask, Sanitiser Social Distancing	131
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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 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 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</p>

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 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.
Students Hand Book	19/08/2019	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.,
Manual for students	01/07/2019	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.,
Code of conduct for students	01/06/2017	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 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.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Awareness Program on Need of Ethics for Survival in Real Life	30/08/2019	30/08/2019	359

Awareness program on Environmental changes-Effects on Human Health	25/02/2020	25/02/2020	319
World Blood Donation Day	14/06/2019	14/06/2019	259
International Yoga Day	21/06/2019	21/06/2019	193
Swachh Bharat Program	16/09/2019	16/09/2019	58
National Unity Day	31/10/2019	31/10/2019	380
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

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. 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. 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. 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. Check dam construction The Institute's topography does not support construction of a check dam. 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. 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. •?The college has a landscape consultant, garden supervisors, a number of gardeners a

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. **Fostering e-learning Practices:** Objective: To promote the student engagement involvement through e-learning practices. Context: The COVID-19 has resulted in shutdown of educational institutions all across the world. As a result, education has changed dramatically, with the distinctive rise of e-learning, whereby teaching is undertaken remotely and on digital platforms. The institutions announced online classes to continue the learning process in a safe and secure manner. In this context along with classroom teaching online, our Vemu IT started fostering the e-learning practices. Practices: 1. All faculty were trained to take online classes by organizing workshops. 2. Lecture notes e-books were made available to students through college website. 3. Apart from core instructions, students are also provided with online placements training and are regularly monitored through faculty mentors. 4. As part of co-curricular activities, more number of seminars, alumni talks, FDPs etc. are organized through online platforms. 5. National e-Conference-CRATE 2020 was conducted by the college through online. 6. Technical training through CodeTantra- an online interactive platform. Evidence of Success: 1. The students were kept in regular contact with the college eco system even though they were unable to attend the college physically. 2. This helped the students to get better placement offers with good packages after first phase of pandemic. 3. The students results in the university examinations were maintained as previous.

2. **Fostering research Innovative activities:** Objective: To improve the involvement of students faculty in research innovative activities and also Facilitate them to foster innovative ideas, inculcate competent research and consultancy skills. Scope: Incorporating a research component along with a sound academic foundation enables students to develop independent critical thinking skills along with oral and written communication skills. The research process impacts valuable learning objectives that help the students to prepare for professional service. Faculty members also can enhance learning experiences for students while benefiting from a productive research agenda. The college in turn benefits from presentations and publications that serve to increase visibility in the scientific community. Lack of student awareness, unequal student access, poor curricular timing, lack of publicity, and uneven access/incentives for faculty are the main set backs to develop the research orientation in faculty students. To overcome the above and also to improve their involvement in research and innovative activities, VEMU IT started implementing many research innovative activities. Practices: 1. Establishing Institute-Innovation Council in the college. 2. Institute Innovation Council organized Seminars, Awareness Programs on IPR and innovation related aspects. 3. Innovation club conducted Idea Competitions as part of fostering innovative ideas. 4. Budget is allotted in the college annual budget to promote in house projects Seed money is provided to students as to develop their idea proto types. 5. Patent filing is encouraged by faculty and students by paying registration amount for patent filing. 6. Entrepreneurship Development Cell in the college organized Entrepreneurship Awareness Camps, seminars on entrepreneurship development related concepts to encourage the students to become entrepreneurs. Evidence of Success: 1. Improvement in quality of research publications. 2. Improvement in students projects quality. 3. Three of our students started their own start-ups under the guidance of IIC. 4. 3 Patents were published and another 9 patents were applied for granting.

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

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

8.Future Plans of Actions for Next Academic Year

- Applying for ARIIS Ranking
- Preparing for NAAC seond cycle
- Establishment of Student Clubs
- More emphasis on National wide placement drives by MNCs.
- Applying for NBA accreditation for B.Tech-Me CE
- Achieving NIRF ranking
- More Focus on Publishing research papers in SCI Scopus Journals.