



YEARLY STATUS REPORT - 2020-2021

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 its own campus?		Yes
• Phone no./Alternate phone no.		8886661149
• Mobile No:		9642730000
• Registered e-mail		principal@vemu.org
• Alternate e-mail		hodhs@vemu.org
• Address		P.Kothakota, Tirupati-Chittoor Highway, Near Pakala
• City/Town		Chittoor
• State/UT		Andhra Pradesh
• Pin Code		517112
2.Institutional status		
• Type of Institution		Co-education
• Location		Rural
• Financial Status		Self-financing

• Name of the Affiliating University	JAWAHARLAL TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU				
• Name of the IQAC Coordinator	Dr.S.Murali Mohan				
• Phone No.	9392547084				
• Alternate phone No.	8886661106				
• Mobile	7995497961				
• IQAC e-mail address	iqac@vemu.org				
• Alternate e-mail address	hodhs@vemu.org				
3.Website address (Web link of the AQAR (Previous Academic Year))	www.vemu.org				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	http://vemu.org/academic-calendar				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B++	2.85	2017	12/09/2017	11/09/2022
6.Date of Establishment of IQAC			06/07/2017		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Nil	Nil	Nil	Nil	Nil	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC			View File		
9.No. of IQAC meetings held during the year			2		

<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	View File	
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11. Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>1. NBA Accreditation for three UG Programmes- BTech-EEE, BTech-ECE & BTech-CSE. 2. Quality improvement Programs organized by IQAC 3. Organizing Online National Conference - CRATE-2021 4. ARIIA Ranking 5. Career 360 Ranking 6. Best Engineering College by The WEEK Magazine</p>		
12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year		
Plan of Action	Achievements/Outcomes	
Improve Alumni Interaction	Seven Alumni Interactions Conducted	
Improve the Industry Interaction	Five Technical Talks Conducted	
Student training for better placements	Seventeen Training Program conducted	
FDP for empowerment of Faculty	Online FDPs conducted by all departments	
More focus on Academics for better results	1. Online Classes conducted 2. Remedial Classes conducted	
13. Whether the AQAR was placed before statutory body?	Yes	
<ul style="list-style-type: none"> Name of the statutory body 		

Name	Date of meeting(s)
Governing Body	21/11/2020
14. Whether institutional data submitted to AISHE	
Year	Date of Submission
2020-21	22/02/2022
15. Multidisciplinary / interdisciplinary	
Yes	
16. Academic bank of credits (ABC):	
No	
17. Skill development:	
Many skill development programmes are organized for students in association with AP State Skill Development Corporation and other external training institutes.	
18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)	
Nil	
19. Focus on Outcome based education (OBE): Focus on Outcome based education (OBE):	
Outcome Based Education is followed.	
Three UG Programmes- B.Tech-ECE, B.Tech-CSE, B.Tech-EEE are accredited by NBA in the year 2020-21.	
The other two eligible UG programmes- B.Tech-Me & B.Tech-Civil are ready to apply for NBA accreditation.	
20. Distance education/online education:	
Nil	

Extended Profile

1. Programme

1.1

574

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	View File

2.Student

2.1 2100

Number of students during the year

File Description	Documents
Data Template	View File

2.2 397

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year

File Description	Documents
Data Template	View File

2.3 678

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1 171

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2 171

Number of Sanctioned posts during the year

Extended Profile	
1.Programme	
1.1	574
Number of courses offered by the institution across all programs during the year	
File Description	Documents
Data Template	View File
2.Student	
2.1	2100
Number of students during the year	
File Description	Documents
Data Template	View File
2.2	397
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	
File Description	Documents
Data Template	View File
2.3	678
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	171
Number of full time teachers during the year	
File Description	Documents
Data Template	View File

3.2	171
Number of Sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	56
Total number of Classrooms and Seminar halls	
4.2	736.96
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	812
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

VEMUIT is affiliated to JNTUA, Ananthapuramu and follows the academic calendar prescribed by the University.

Based on the university academic calendar, the departments prepare their own academic calendars and teaching plan. Subject allotment is made by the HOD's as per the preference given by the faculty, expertise and experience of the faculty and difficulty level of the subject. The faculty for the allotted subjects are responsible to prepare and collect.

- Lesson plans
- Course materials
- Question papers of the previous years
- Content beyond the syllabus
- ICT materials

Need-based teaching-learning strategies are adopted, such as:

- Conventional Chalk and Talk
- Power Point Presentations
- Video Lectures
- NPTEL Course Materials
- Assignments
- Quiz
- Guest Lectures

The Institution has well equipped computerized library which includes:

- Adequate number of books
- E-books
- Magazines
- E-journals
- Reference Books.

For effective curriculum delivery, E-learning resources are uploaded in to college website, immediately after commencement of academic year/semester. Feedback is obtained periodically from the students, alumni, staff, parents and employers to identify the gaps in the curriculum and address the same. The identified gaps between the curriculum and industrial requirements are bridged through Certification Courses, Value added Courses, Workshops, Seminars and Guest Lectures etc

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://vemu.org/uploads/naac/3407469611.1.1_Effective_Curriculum_Delivery-2020-21.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

- Academic calendar is prepared and communicated by the university prior to the beginning of each semester.
 - Based on the university calendar, the institute prepares its own academic calendar and teaching plan.
 - 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 exams schedule is prepared according to the university academic calendar and is intimated to students well before the commencement of examination.
- All laboratories are well equipped and all experiments as per university curriculum are conducted.
- In addition to the regular curriculum experiments, one or two additional experiments are also conducted.
- For JNTUA Regulations R15, R19 & R20 the labs are evaluated as 30 marks (Internal) + 70 marks (External)
- The internal marks of 30 are evaluated based on the day-to-day performance of the students in the laboratory classes.
- The external marks of 70 are evaluated by conducting a university practical examination at the end of the semester.
- Various departmental activities are planned to be organized by the respective departments are included in the institute Academic Calendar and is followed without much deviation.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://vemu.org/uploads/naac/6306950691.1.2_Continous_Internal_Evaluation_2020-21_VE_MU.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.
Academic council/BoS of Affiliating University
Setting of question papers for UG/PG programs
Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
Assessment /evaluation process of the affiliating University

C. Any 2 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

12

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

12

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

995

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

995

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The institution is putting persistent efforts to integrate cross cutting issues into the curriculum. The curriculum designed by the university in itself has included many of the aspects such as the subjects namely Environmental Studies, Social Values and Ethics, Universal Human Values etc.

Students are given inputs for promoting various environmental issues like

- Preservation of natural resources - forests, minerals, soil, food, water, energy
- Environmental pollution - solid waste management
- Environmental ethics, Environmental legislations

Field visits as part of students assignment are conducted to study various environmental issues. College organizes various programs related to environment like earth day, environmental day, water conservation day etc.

Social Values & Ethics underlines the importance of

- The institutions of family and society
- Nation building & National integration
- Role NCC, NSS, Physical Education and Yoga for a healthy individual self.

Environmental Engineering concentrates on healthy environment through:

- Water management
- Waste water treatment
- Solid waste management

Disaster Management and Mitigation focuses on

- Various categories of environmental hazards/ and disasters
- Problems consequent to deforestation

Energy Audit Demand Side Management studies the pressing issues of

- Deficiencies in proper utilization of produced power
- Use of power efficient and power conserving technologies

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year**39**

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships**1850**

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://vemu.org/uploads/naac/12400242671.4.2_Feedback_process_of_the_Institution.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

792

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

316

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institution has well-planned strategies implemented from time to time to address the issues of diversity in students' learning levels. The actual division of students into slow and advanced learners is based on their performance in the I-mid examinations.

- Special remedial classes are arranged for the slow learners beyond the regular class schedule on specific days for each course and individual attention is paid for improving the students' level of learning, problem solving and presentation.
- Slow learners are further assisted through individualized counselling by the faculty mentors. Most of the students' problems resolved by these efforts and if felt necessary, the parents are called in for additional help to their ward.
- Simultaneously, the needs of the advanced learners are taken care of by the concerned faculty through assignments, seminars etc . Advanced learners are encouraged to participate in programs like coding contests, campus specific recruitment training, take up additional certification courses like NPTEL - MOOCs, Certification courses like PYTHON, MATLAB, PSPICE, CATIA certification under CAD/CAM, APSSDC programs and participate in external paper presentation contests etc. It is quite often noted that the slow learners become more motivated and

start performing well in academics after remedial classes.

File Description	Documents
Link for additional Information	https://vemu.org/uploads/naac/2662517642.2.1_Adavnced_& Slow_Learners_2020-21_VEMU.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2100	171

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The quality teaching-learning process is one of the major objectives and strengths of our VEMUIT. Students are given a right blend of traditional and modern methods to make learning student-centric and a rewarding experience. VEMU IT provides an effective platform for students to develop latest skills, knowledge, attitude, values to shape their behaviour in the correct manner. All departments conduct innovative programs which stimulate the creative ability of students and provide them a platform to nurture their problem-solving skills and ensure participative learning. Experiential learning, participative learning and problem solving methodologies are well adopted to ensure the holistic development of students and facilitate life-long learning and knowledge management.

Participative learning

1. Participation in departmental professional society activities
2. Participation in Guest Lectures, Workshops and seminars.
3. Department Association activities.
4. Participation in external paper presentation.

Experiential learning

1. Practical courses (laboratory)
2. Internships
3. Industrial visits
4. Project work

Problem solving methodologies adopted are

1. Giving assignments and quizzes.
2. Tutorials

All academic activities are aimed at elevating the students' knowledge, skills and build confidence in them.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://vemu.org/uploads/naac/11021881662.3.1_Students_Centric_Methods_2020-21_VEMU.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

- Effective content delivery by using ICT tools in the class room for better understanding and reinforcement of the concepts and problem-solving is adopted by the institution.
- ICT tools complement the traditional teaching-learning methods, and the institute is highly interested in providing innovative methods for enriching the learning experience.
- The institution has the needed resources like computers in all departments & library and high speed internet access etc
- Teaching/Learning methodologies include the use of ICT tools for illustrations and special lectures, field study, project-based-methods, experimental methods etc.
- ICT components are embedded in the course contents of all relevant engineering disciplines which include free / commercial software like Code Tantra etc.
- ICT for course delivery includes power point presentation, video conferencing or educational websites.
- ICT enabled Teaching-Learning Process is supported with Regular Practical Sessions, access to Digital Library, Online Courses (MOOCS, NPTEL etc.), online journals, Online

tests, Use of LCD projectors for seminars and workshops, productive use of educational videos, and accessibility of non-print material for students of different disciplines.

- Communication skills training facility is enriched with ICT tools like Orell Software to make the students acquire proficiency in listening, speaking, reading and writing skills.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://vemu.org/uploads/naac/1793453952.3.2 Teacher Uses ICT Tools 2020-21 VEMU.pdf

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

134

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

171

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

28

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

3.7 Years

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

- As per the university academic regulations, in each theory course, two midterm examinations are conducted, one in the middle and the other at the end of the semester.
- The marks secured in the mid semester examinations are calculated for a maximum of 30 marks.
- Final mid marks shall be arrived at by considering the marks secured in both the mid examinations with 80% weightage to the better mid exam and 20% to the other
- The department has an Internal Question paper Committee (Head and senior faculty) which will audit the question papers and checks the quality of questions, mapping with COs and learning levels as per the revised Blooms Taxonomy.
- The lab experiment performed is immediately evaluated by the continuous evaluation pattern suggested by university. The continuous evaluation pattern is given in the lab manual which is shared with the students well in advance.
- Project internal evaluation is done through three reviews. The evaluation pattern and the rubrics followed are informed to students well in advance. The rubrics designed have criteria- quality of problem, literature survey, presentation, team work, etc.

With these systems, VEM IT exhibits transparency in the mechanism internal assessment.

File Description	Documents
Any additional information	View File
Link for additional information	https://vemu.org/uploads/naac/922505722.5.1_Internal_Assesment_2020-21_VEMU.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

- The college follows strictly the guidelines and rules issued by the affiliating university while conducting internal examinations.
- For conducting the mid exams a college level examination committee is constituted and a coordinator is allotted from each department for smooth conduction of mid exams.
- Two internal assessment tests are conducted in each semester.
- Time table for test is prepared well in advance and communicated to the students.
- A proper seating plan is followed for mid exams and it is

displayed on the notice board.

- After evaluation of mid exam answer scripts, the scripts are shown to the students to check any discrepancy or doubt in evaluation.
- If they come across any doubts, clarification will be given by faculty.
- After preparing the assessments report by faculty it is shown to HoD and a copy is submitted by the concerned faculty to the department.
- The assessment marks of all the two mid exams and final internal marks are sent to HOD for verification.
- The internal marks are displayed in the department notice board for students' information.
- Any discrepancies regarding internal marks raised by student will be verified at department level by HOD and the finalized internal marks will be sent to examination section.

File Description	Documents
Any additional information	View File
Link for additional information	https://vemu.org/grievance

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The POs and PSOs and COs are published and disseminated among the stakeholders as follows:

S. No.

Media/Location

Remarks

1.

College Website

www.vemu.org

(<https://www.vemu.org/>)

2.

HOD's Room

Display Posters

3.

Staff Rooms

Display Posters

4.

Department Laboratories

Display Posters

5.

Department Corridors

Display Posters

6.

Department Library

Display Posters

7.

Departmental News Letters

Published

8.

Department Technical Magazines

Published

Course Outcomes:

S. No.

Media/Location

Remarks

1.

College Website

www.vemu.org

(<http://www.vemu.org/>)

2.

Lab Manuals

Published

3.

Course End Survey Form

Published

Process of Dissemination among stakeholders:

The POs and PSOs statements are discussed in various meetings as well as workshops such as

1. DAC Meeting
2. GAC Meeting
3. Faculty Meeting
4. Workshops/ Seminars/ FDPs
5. Other important meetings.

The COs are discussed in

1. Classrooms during sessions
2. Laboratories during lab sessions
3. GAC Meeting
4. Faculty Meeting

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://vemu.org/uploads/naac/2234067452.6.1_COs_&_POs_2020-21_VEMU.pdf
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

CO Attainment • COs are formulated for each course by course coordinator. • To assess the course outcomes, direct assessment tools- internal and university marks and indirect assessment tools- Course end survey are used. Step1: Overall Direct Assessment including Internal and University Examinations: • Weightage to University Examinations: 70% • Weightage to Internal Examinations: 30% Step2: Indirect Assessment: Tools: Course End Survey Process: Collect the feedback and calculate the weighted average as mentioned below

Step3: Overall Course outcome Attainment including Direct and Indirect Survey: Attainment of Course outcomes = 70% of Direct Assessment + 30% of Indirect Assessment.

POs attainment: List of Assessment Tools: • Attainment of POs and PSOs is based on direct assessment tools- CO attainment (80% weightage) as well as indirect assessment tools- Graduate Exit Survey (10%), Alumni Survey(5%)and Employer Survey(5%).

Direct Assessment • POs and PSOs attainment at course level is calculated by taking the average of arithmetic multiplication of course outcomes attainment levels and CO-PO matrix.

Collect the Surveys and calculate the weighted average for each survey as mentioned below.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://vemu.org/uploads/naac/6850235712.6.2_CO-PO_ATTAINMEMNT_2020-21_VEMU.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

553

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://vemu.org/uploads/naac/19564096692.6.3_Student_Pass_Percentage_2020-21_VEMU.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

https://vemu.org/assets/student_satisfactory_survey.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

Rs . 3 . 39Lakhs

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

01

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.aicte-india.org/schemes

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

56

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

43

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

56

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

VEMU Institute of Technology organizes and participates in several extension activities with a dual objective of sensitizing students about many social issues and contributing and strengthening of the community. VEMUIT organizes many extension activities to endorse institute-neighborhood community and also to sensitize the students towards community needs. The students of our college enthusiastically participate in the following social service activities leading to their overall development. 1. Awareness Programme on Corona Virus 2. Blood Donation Camp 3. Eye Check-up Camp 4. Special NSS Camp 5. Swachh Bharat Program 6. Tree plantation 7. Voter awareness slogan 8. Road safety Awareness and 9. Women Empowerment program Our College adopted a couple of villages including Hasanpuram and Vasanthapuram which are located

6 Km from the college campus. Our NSS unit conducted several activities such as Awareness Programme on Corona Virus, Special NSS Camp, Swachh Bharat Program, tree plantation, Road safety Awareness and Women Empowerment program etc in the two adopted villages as part of extension activities. These extension and outreach activities sensitize the students towards social issues and remedies for matters like domestic violence, dowry, child abuse, old and infirm and displaced persons etc.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/12406331793.3.1_Extension_Activities_2020-21_VEMU.pdf
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

0

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	No File Uploaded

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

1

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

20

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

35

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

- The institution has a state-of-the-art infrastructure to facilitate the students and faculty to carry out their teaching and learning process in an effective way.
- Total Area of the Campus is 10.11 acres with a built up area of 26032.79 sq.m.
- The college has eight well designed academic blocks comprising 51 spacious, well-furnished classrooms with adequate lighting, ventilation, podium, seating arrangement. All classrooms are equipped with ICT facilities like LCD Projectors, CPU and Wi-Fi for better learning experience.
- There are 50 well equipped laboratories and 3 drawing halls with state of the art facilities to meet the curriculum requirements.
- All Labs are provided with adequate safety measures and periodic maintenance.
- There are 4 seminar halls with 150 to 200 seating capacity and an auditorium with 600 capacity along with LCD Projector, Wi-Fi, Audio and Video facilities available for various academic and cultural activities.
- Central Library with 4705 titles and 31145 Volumes along with 36 International Journals, 74 National Journals, 6 Magazines and e-journals available.
- A total of 901 computers systems are spread across all the departments to facilitate the students and faculty members to conduct classes, laboratory sessions and carry out research.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vemu.org/uploads/naac/15230717624.1.1_physical_facilities_2020-21_vemu.pdf

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

- • VEMU focuses on holistic development of the students by encouraging them to participate in co-curricular and extra-curricular activities.
- • The institution has both Indoor and Outdoor sports facilities.
- • Students are encouraged to participate in different sports/Games and cultural activities.
- • The institution has a well equipped Gym. Yoga classes are being conducted for promoting health of staff and students.
- • The institution provides equal importance to Cultural activities also. They are performed during the College festivals like Fresher's day, Farewell day, Annual day and Sports Day celebrations.
- • Annual Day is planned at the end of every year to appreciate and honor the meritorious students in all aspects like University Rank Holders, Class toppers, etc.
- • Hobby clubs have been introduced for students with the motto of bringing out the hidden talents of the students in all aspects. These clubs mainly focus on the ethnic activities from the students to show their talents. These clubs comprise of Non-Stage events which include Essay writing, oratorical, drawing etc., and Stage Events like dance, singing, Art and Crafts, Acting etc.
- • All these will help for the holistic development of students' and also to develop their personality.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vemu.org/uploads/naac/11697184774.1.2.Spots-cultural-gym-yoga_2020-21_VEMU.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

56

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

56

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://vemu.org/uploads/naac/10535393194.1.3-ICT_2020-21_vemu.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

736.96

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

- The Library at VEMUIT acts as integrated knowledge resource center comprising, a Central Library in an area of 694 sq.m, with nearly 31145 books, latest e-journals by the JGATE, DELNET, N-LIST, IE INDIA, periodicals, references, national and international journals and CD-ROMs, in addition to other

Departmental Libraries. Automated Library Management System: • Library of the institute is fully automated. • Library Management System (ILMS) is used to take care of all the operations since 2008. • OPAC help users to select books of their choice. • Wi-Fi facilities available for the convenience of users. Details about software: • Name of the ILMS software: ECAP for Windows by Webpros India Pvt. Ltd. • Nature of automation : Fully Automated Version : 1.0 • Year of Automation : 2019 • Capacity: Can handle high end data and web application with full security. Operations carried out through software: • Accession register • Bar-coding of books • Circulation of books • Master entry of books with details • Web enabled OPAC available. Students can search all the details about the book like as title, author, publication, location, availability etc. • Cataloging through OPAC, sorting by author, title, publication etc. • Reports generation.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://vemu.org/uploads/naac/1034117064.2.1_Library_management_sytems_2020-21.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

222320

File Description	Documents
Any additional information	View File
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

15547

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Institute strengthens its IT facilities to provide modern and digital platform to students and faculty to enhance their learning avenues. Gradually and continuously laboratories have been upgraded for better system configuration and ergonomics. In addition the college continuously upgrades its IT related equipment, add-on peripherals and other supporting materials such as Laptops, D Link switches, Networking and Ethernet ports, Bio-metric devices and LCD Projectors. Bandwidth of the internet is also upgraded according to the increase in use of the internet in various activities of the institute. Currently we have 120 MBPS (3 Leased Lines) (NME) including 20 MBPS (ILL) of internet bandwidth along with latest workstations. All computers are connected through LAN. With high speed LAN connectivity, it is possible for students to attend lectures & video tutorials (NPTEL, You Tube) for competitive preparation & enhance their knowledge. Majority of the campus area of VEMU has Wi-Fi Internet accessibility. • Computers for Students: 812 • Computers for faculty and Office: 89 • Total Number of Computers: 901 The Institute is associated with Andhra Pradesh State Skill Development Corporation (APSSDC) and has procured 73 laptops with high configurations.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vemu.org/uploads/naac/18664403164.3.1_IT_infrastructure_2020-21_VEMU.pdf

4.3.2 - Number of Computers

901

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

354.18

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

For the holistic development of students, faculty and staff, facilities like laboratories, library, computer labs, seminar halls and sports complex etc are available. Equal opportunity to utilize these facilities are there for faculty and students.

- Laboratory:** The equipment in particular lab are issued to the students for performing the experiment which will be returned at the end. Extracurricular activities like making models, preparing for different technical events etc. are also allowed in the lab on need basis. In such cases, student should get permission from HOD.
- Library:** Each student after enrollment at VEMU will be issued a LIBRARY CARD to get the text books and reference books. Faculty members can take books for their reference from library.
- Sports :** VEMU has sports facilities for indoor and outdoor games. Students and staff get the sports kit from the physical director and same will be returned after completing the events.
- Computer Facilities:** All the departments have sufficient number of computer labs. Students and staff can utilize these facilities when required.
- Seminar Halls:** Seminar halls with computer, projector and public address system are available. To use the seminar hall prior permission from department coordinator is to be taken.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vemu.org/uploads/naac/4094632244.4.2_maintenance_procedures_2020-21_VEMU.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1314

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

351

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to institutional website	https://vemu.org/uploads/naac/5910082185.1.3 Capacity building and skills enhancement_2020-21_VEMU.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1575

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1575

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

370

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

10

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State

government examinations) during the year

4

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year****5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.**

1

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

- VEMU Institute of Technology creates a platform for the active participation of the students in various academic and administrative bodies including other activities. This empowers the students in gaining leadership qualities, in following rules, regulations and execution of skills.
- Institute has constituted various committees to involve in different academic and administrative activities in the campus.
- The committees in which the students are nominated as members are

- Class Committee
 - Student Welfare Committee
 - Disciplinary Committee
 - R & D Cell Committee
 - Anti-Ragging Committee
 - Hostel Committee
 - Women Empowerment & Grievance Redressal Committee
 - Library Committee
 - Career Guidance cell Committee
 - Technical Magazines & Newsletters committee
 - Sports committee
 - Cultural committee
 - NSS committee
 - Technical Associations committee
- All the student nominees are invited to the committee meetings and their remarks and suggestions are taken in to consideration while taking a decision related to that particular committee.
 - Third year and Final year students act as Editors for preparing College News Letters, Departmental News Letters and Technical Magazines.
 - Students are elected for the executive body members of professional societies and department associations.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/18276248355.3.2_students%E2%80%99_representation_in_various_administrative,_co-curricular_and_extracurricular_activitie_2020-21_VEMU.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The Institute has a registered Alumni Association for building strong bond between alumni and present students. The alumni give support to the students through interaction, financial funding, guidance and placement. The Alumni Association of the Institute is called as VITAA i.e. VEMU Institute of Technology Alumni Association. This was registered on 8th September 2019 under the Andhra Pradesh Society Registration Act., 2001 with Registration No. 445 of 2019. The mission of the Alumni Association is to foster a mutually beneficial relationship between the Institute and its alumni.

Initiatives involving finances: Feedback on curriculum Teaching learning process Bridging the gap between industry and academia Important suggestions about changing trends about business and industry Guest lectures to the students of current year batch. Financial contribution of the alumni during the last academic year is around 1.5 lakhs. In the Academic Year 2020-21, the following activities are conducted

S.No

Department

No. of Alumni talks conducted

1

ECE

2

2

CSE

3

3

EEE

3

4

ME

1

5

CE

1

Alumni Meets:

- Alumni meets are conducted periodically for networking, strengthening the social relations and sharing the expertise with the students for guidance, projects, placements, internship and competitive examination. Alumni are also engaged in providing placement support and Research activities.
- Alumni meet is arranged on second Saturday of January, every year. In 2020-21 Alumni Meet was conducted on 12-01-2021.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/13778461525.4.1 Alumni Association that contributes significantly to the development of the institution 2020-21 VEMU.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year E. <1Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The governance of the institution is reflective: • Governing body constituted as per the norms. • Management and Principal participate in the Governing Body to ensure the policy statements, action plans are aligned for attaining the mission of institute. • Principal frames the rules and regulations in consultation with Governing body of the institution. He reviews the outcomes from the implementation of action plans through meetings with various statutory and non-statutory committees and makes necessary changes in action plans if required. • HODs are responsible for content delivery, effective teaching-learning process, monitoring of mentoring system, up-gradation and maintenance of equipment.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/7585101336.1.1 Vision & Mission- Governance 2020-21 VEMU.pdf
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

• The institution promotes the participative management at the strategic level, functional level and operational level. • Right from the Chairman to the staff and students, all stakeholders play role in development of college. Their involvement and cooperation in devising and implementing decision making policies for academic and administrative affairs through various bodies and committees have contributed to the growth of the college. • Institution focuses on decentralization by intending equal opportunity (equal role to participate) in the functioning of the Institution. • The

Principal, Heads of the departments, teaching and non-teaching faculty along with student representatives together concentrate on fostering the progress of institution by sharing the responsibilities and act according to the aims and objectives of the Institution. Participative Management: 1. Strategic level: The Principal, governing body, faculty and IQAC are involved in defining policies & procedures, framing guidelines and rules & regulations pertaining to examination, code of conduct-discipline, grievance, support services, finance etc. 2. Functional level: Faculty members share knowledge among themselves, students and staff members while working for a committee. 3. Operational level: The Principal and faculty members interact with government and external agencies & faculty members maintain interactions with the concerned departments of affiliating university.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/5107761766.1.2_Decentralization_&_Participative_Management_202-21.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

- Strategic plan focuses on current trends in higher and technical education. It makes an assessment of different stakeholder's expectations, students, faculty members, employers, and needs of the people of the region.
- These prospective plans are projected after many brain storming sessions and considering the short term, medium term and long term development goals of the institute. The salient features of the strategic plan are:
- Developing Multidisciplinary innovation ecosystem
- Encouraging faculty and students to publish papers in reputed journals and patent filing.
- Sponsoring faculty and students to participate in Inter-Institute events & Conferences.
- Organize Workshops/Training/Conferences for faculty and staff.
- Apply for projects from government and non-governmental organizations
- Purchase of Lab Equipment & Softwares.
- Organizing Guest Lecture, Association Activities/ Certificate/Value Added Courses.
- MoUs with industry.
- Industrial Visits, Internships & Industry based projects.
- Alumni interaction

The Implementation of these plans have yielded:

- Presentation of projects at inter institute events and national level competitions.
- Improvement in the number of papers

published. • Increase in number of faculty members pursuing doctoral program • Increase in no of patents filed • Better Alumni interaction with students and institute.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://vemu.org/uploads/naac/21280846296.2.1 Website.pdf
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

- The Institution has a well-structured administrative setup.
- The Governing Body is the highest decision-making body, which gives constructive suggestions to the management for effective decision making and to meet the Vision, Mission of the college and the needs of the stakeholders. An organogram in the website represents the administrative hierarchy of the institute and decentralization.
- Institute has statutory and non-statutory bodies with defined roles and responsibilities ensure transparency, participative management, and decentralization at every level.
- Service rules, various policies such as recruitment, promotion are available for the functional aspects of the Institution.
- The web-based grievance redressal mechanism, through the college website, takes care of impartiality and confidentiality
- Policies for the functional aspects of the Institution: Research and Development Policy, Consultancy Policy, E-Governance Policy, Anti-Plagiarism Policy, Examination Procedures, Anti-Ragging Policy, IPR Policy, Document Retention Policy, Conduct Rules for Students, Conduct Rules for Faculty, Recruitment Policy, Promotion Policy, Incentive Policy.
- All the recruitments are made transparent by duly advertising the posts in leading dailies / online and conducting interviews by involving external experts from IITs / Universities /Premiere Institutions.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/pdf_files/VEMU-IT_HR_Policy_Book-Final-2022.pdf
Link to Organogram of the Institution webpage	https://vemu.org/organogram
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff

Welfare measures extended to the teaching and non-teaching staff of the Institute:

Teaching Staff:

- Laptops to senior faculty members.
- Group savings linked insurance (GSLI) for all regularized teaching staff
- Maternity Leave for female staff members
- Special casual leaves for attending conferences and workshops
- Study leave for higher education and qualification improvement
- Financial support for Registration fees, Dearness allowance, Travel grants for faculty attending conferences and

workshops.

- Subsidized food at the canteen
- Incentives & additional facilities for R&D activities
- Seed Money for Initiating Research Work
- Incentives for publication in Journals and Conferences, sponsored research projects
- Increments after getting Ph.D
- Reimbursement of entire expenditure for faculty and submission of research proposals at various organization

Non-Teaching Staff:

- 100% contribution for the policy of Rs.1 Lakh.
- Employees Provident Fund Scheme and gratuity for all the regularized staff
- In the event of the death of an employee in service, his/her dependent will be considered for suitable employment on compassionate grounds and the availability of vacant posts.
- Uniform (dress code) at free of cost to the class - IV employees.
- Subsidized food at canteen.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/pdf_files/VEMU-IT_HR_Policy_Book-Final-2022.pdf
Upload any additional information	No File Uploaded

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

39

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

22

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

104

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

- A good performance appraisal system helps for the improvement of the overall performance of teams and individuals for ensuring the achievements of the overall organizational mission and vision.
- VEMU IT conducts appraisals to have a systematic evaluation of employee performances.
- This performance appraisal is an annual review of employees to assess their job performance and contribution to the organization that help in evaluating and identifying skills, growth, achievements, and shortcomings of an employee.
- Performance appraisals make the employees feel appreciated, recognized, boosting morale for good. The evaluation not only acknowledges contribution of staff but also helps to set goals and pave a path for their future endeavors.
- This method is a systematic assessment where faculty is rated on a scale of 100 points.

1. Teaching Learning and Evaluation-50M
2. Research Activities-20M
3. Professional Upgradation -13M
4. Institutional Service-13M
5. Leaves-4M

- At the end of each academic year, the data about the above categories are collected from each faculty member.
- VEMUIT uses appraisals to provide general feedback and justify salary increments, promotions, and demotions. It also acts as a communication bridge between employees and organization

- As such there is no performance appraisal system followed for non teaching staff in the institute.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/18911302036.3.5_Faculty_Performance_Appraisal.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

- The college has mechanism for audit of the financial activities carried out in the Institution every Year.
- Accounts department maintains financial accounts, prepares financial statements audited by an external auditor.
- External Annual Financial Audit account is done by a Chartered Accountant.
- The audit is conducted to check the correctness of the financial transactions and statement affairs of the Institution.
- The auditor verifies Cashbook, Bank accounts, Ledgers, Bills, Vouchers, and statement of cash position and cash flow physically and conducts check on the heads of various accounts, balance dates, and postings.
- In case of funds received from funding agencies, an account is prepared in the required format on completion of the sanctioned project which is first audited by the CA, and then submitted. A no-objection certificate is received after settlement of accounts.
- Audit reports are submitted to the management. The Governing Body ratifies these reports.
- With all statutory obligations duly complied, there were no major audit objections until the last audit.
- Audit objections, if any, in case of all the above audits are complied with promptly by the Accounts section of the College, and the CA is also consulted whenever required.

File Description	Documents
Paste link for additional information	https://vemu.org/assets/audit_reports/FINAL-NCIAL-YEAR-2020-21.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	View File
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Mobilization of Funds:The College mobilizes funds as per the policy and procedure enacted by the Management. The process is monitored by the finance committee under the chairmanship of the Principal. The College receives funds from the following sources.

Income:

1. Tuition fee
2. Research grants
3. Consultancy
4. Alumni funds
5. Philanthropic contribution
6. Interest on bank deposits

Utilization of Resources: At the beginning of the financial year, all the departments submit their financial requirements for the coming financial year under various heads. The requirements will be consolidated and the budget will be sanctioned by the

management by taking care of the funds inflow. After the approval form GB, the funds will be allotted to the respective departments. At the end of the financial years, the departments submit their budget utilization reports for their allotted funds.

VEMU IT effectively utilizes the funds in the following ways

1. Salaries and Benefits
2. Power and Fuel
3. Printing and Stationary
4. Postage and Telephones
5. Library-Periodicals and magazines, journals
6. Affiliations
7. Travelling and Conveyance
8. Furniture
9. Laboratory Equipment and Consumables
10. Establishing Centres of Excellence and Industry Collaborative Labs
11. R & D
12. Training & Placement
13. Examinations
14. Software procurement, maintenance, Wi-Fi, Internet
15. Student Services

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/5615166826.4.3_Budget_file-20-21_Final.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Significant Contributions:

1. NBA Accreditation visit for EEE, ECE & CSE.
2. Programs organized by IQAC

2020-21 -Sem II

S.No

Name of the Program

Resource Person

Date

Targeted Audience

No. of Faculty

1.

A session on "Patent drafting &

Patent filing"

Dr H.Sudarshan Rao

Professor, Dept.of .CE

12-08-2021

All Faculty

105

2.

Training programming on "NAAC documentation"

Dr. Naveen Kilari, Principal, VEMU IT

22-09-2021

All faculty

120

2020-21 -Sem I

S.No

Name of the Program

Resource Person

Date

Targeted Audience

No. of Faculty

1.

Awareness program on Research paper writing (Virtual)

Dr H.Sudarshan Rao

Professor, Dept.of .CE

17-12-2020

All Faculty

102

2.

A session on "Outcome based Education

Smt. D. V. Sai Sireesha

10-02-2021

All faculty

120

3. Online National Conference

4. ARIIA Ranking

5. Career 360 Ranking

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/5344168886.5.1 Quality Initiatives taken by IQAC (1).pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

IQAC is adopting a well-defined review mechanism of Teaching-Learning process, structures and methodologies of operation and learning outcomes through

- Academic Audit
- Faculty assessment through faculty performance appraisal
- Departmental performance
- Feedback from stakeholders
- Question papers and answer scripts auditing
- Assessment of outcomes through PAC and DAB
- Review through statutory and non-statutory committees

All metrics of academic activity including Teaching- Learning process, learning outcomes are thoroughly reviewed in Annual Academic audit by the experts in academic audit committee. It also reviews quality assurance policies, mechanisms and outcomes. The Structured feedback is analysed and appropriate follow up action is taken to meet the standards.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/110612164ACADEMIC AUDIT FORMATS.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of

A. All of the above

**Internal Quality Assurance Cell (IQAC);
Feedback collected, analyzed and used for
improvements Collaborative quality
initiatives with other institution(s)
Participation in NIRF any other quality audit
recognized by state, national or international
agencies (ISO Certification, NBA)**

File Description	Documents
Paste web link of Annual reports of Institution	https://vemu.org/uploads/naac/1929653538Annual_Report-2020-21.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Congenial atmosphere is prevailing in the institute where women / girls are encouraged to work and study. Institution shows gender sensitivity in providing facilities for women in terms of:

A. Safety and Security -

- Active Women Empowerment and Grievance Redressed Cell
- 24 x 7 CCTV cameras for monitoring of movement of visitors
- Suggestion boxes at prominent places in the campus.
- Awareness on Disha Mobile App (developed by AP police department) for women security.
- Exclusive college bus for girls in the identified routes
- Deployment of Security guards at various places in the building and in the campus.
- Health care center, Separate dining hall and rest rooms for girl students.
- Self-defense training classes, Awareness programs on the policy of sexual harassment, gender discrimination and the complaint process.

B. Counseling

- Counseling in major areas i.e. academics, career and behavioral aspects.
- Intimation to parents whenever necessary.

C. Common Room

- Separate Common rooms with necessary facilities.

Others

- Nominating Women faculty as HODs and Conveners of various committees.
- Planning exclusive women Placement recruitment drives
- Monitoring till the last women employee/girl student leaves the campus.
- Educating boys on the behavioral norms at the time of orientation.

File Description	Documents
Annual gender sensitization action plan	https://vemu.org/uploads/naac/14800867207.1.1_Gender_Equity_2020-21_VEMU.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://vemu.org/uploads/naac/812766687.1.1_gender_equity_photos.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste

management Biomedical waste management E-waste management Waste recycling system
Hazardous chemicals and radioactive waste management

Solid waste management:

- Dustbins are placed separately for dry waste (Blue bins) and wet waste (Green bins) in the campus.
- The dry leaves, twigs etc are collected and decomposed in a pit which is used as manure for trees and plants.
- For proper disposal of sanitary waste units are installed in women's washroom across the campus. all units every fortnightly and replace with new.

Liquid waste management:

- Liquid waste from the wash rooms is conveyed to the drain and waste water from laboratories is disposed off into closed collecting tank after neutralizing the chemicals etc.
- All the water discharged in the campus is sent to the sewage treatment plant and is treated for reuse.

E-waste management

- The condemned batteries and damaged computers are disposed through outside agencies. Obsolete computers and other electronic gadgets are sold to recyclers.
- E-waste generated is given to the authorized dealers who purchase the scrap. Electronic and electrical instruments under repair are given to the students during the lab sessions to dismantle and reassemble.

Hazardous chemicals and Radioactive waste management

- For hazardous chemicals, separate cupboards & racks are used with all guidelines for use of hazardous chemicals.
- There is no radioactive waste generated in campus,

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	https://vemu.org/uploads/naac/20211526917.1.3_Waste_management_2020-21_VEMU.pdf
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. landscaping with trees and plants

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the

A. Any 4 or all of the above

**following 1.Green audit 2. Energy audit
3.Environment audit 4.Clean and green
campus recognitions/awards 5. Beyond the
campus environmental promotional activities**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms.

Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment

5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

VEMU Institute of Technology is regularly conducting programs for

providing an inclusive environment and promoting tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic, and other diversities.

The objective is to sensitize about communal harmony and national integration. Every year NSS Cell conducts Special Camps in two Haasan Puram and Vasantha puram villages. These camps are directed towards various social issues impacting the lives of the people in the community; including social and cultural values among the young students.

Various cultural programs are organised to celebrate the cultural diversity in which students perform regional or cultural folk songs and dances. These cultural events are organized at different levels- departments, hostels, and college- on different occasions like Traditional day, Independence Day, Republic Day, etc.

Ø To cater to linguistic diversity, competitions like Essay Writing, Elocution are conducted.

Ø The various departments of the college conduct seminars, workshops, and outreach programs to promote communal harmony and tolerance.

Ø Subjects Constitution of India and professional ethics are made mandatory to all students across disciplines.

Ø Various activities like Essay Writing Competition, Patriotic Song Singing Competition, Lectures by Eminent Personalities and Mass recitation of National Anthem by all students are exercised and performed.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

VEMU Institute of Technology sensitizes students and employees of the institution to the constitutional obligations about values, rights, duties, and responsibilities of citizens which enables

them to conduct as a responsible citizen.

Major Initiatives

1. Academic Courses
2. Guest Lectures and Awareness Programs
3. National Festivals/Days Celebrations
 - Mandatory academic courses like Constitution of India, Professional ethics and human values, Universal Human Values are being taught in class rooms as part of their academic requirements to inculcate constitutional obligations among the students.
 - The students and staff are inspired by enabling them to participate in various programs viz. guest lectures and Programs on traditions, values, duties, and responsibilities by inviting prominent people. The institute also conducted awareness programs on the ban on plastics, cleanliness, Swachh Bharat, etc. involving students.
 - The college establishes policies that reflect core values. Code of conduct and Code of Ethics are prepared for students and staff and everyone should obey the conduct rules.
 - VEMU Institute of Technology believes in celebrating events and festivals in college and has the tradition of celebrating all National festivals and birth/death anniversaries of eminent Indian personalities. It is an integral part of learning and building a strong cultural belief and value system in a student.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	No File Uploaded

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes A. All of the above

professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

VEMU Institute of Technology believes in celebrating events and festivals in college and has the tradition of celebrating all National festivals and birth/death anniversaries of eminent Indian personalities. National festivals play an important role in planting seed of Nationalism and Patriotism among people of India. It is also an integral part of learning and building a strong cultural belief in a student.

Our institution celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders. The Faculty, Staff and Students of the institution all come together to celebrate these occasions and spread the message of Unity, Peace, Love and Happiness throughout.

VEMU Institute of Technology in general, celebrates the birth and death anniversaries of great personalities of India to drive students into nation's memorabilia.

Due to covid-19 pandemic, the following activities only conducted during the academic year 2020-21

S.No

Name of the Program

Date

1

Constitution day

26.11.2020

2

Swachh Bharat Program

29.11.2020

3

National Voters day

25.01.2021

4

Republic day

26.01.2021

5

International Women day

08.03.2021

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice -1

1. Title of the Practice: Improving Employability through Skill development
2. Objectives of the Practice

The main objectives of the Skill Development programme are:

- To provide adequate hands-on training to students in currently used industry tools and techniques
- to create opportunities for the development of talent within the students and improve the overall scope and space for holistic development.
- to facilitate the students to get placements in good companies preferably MNCs.

3. The Context

4. The Practice

5. Evidence of Success⁶

6. Problems Encountered and Resources Required

Note: The above headings are explained in the attachment

Best Practice - 2

1. Title of the Practice: Fostering Innovative & Research Activities (FIRA)
2. Objectives of the Practice

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.

3. The Context

4. The Practice

5. Evidence of Success

6. Problems Encountered and Resources Required

Note: The above headings are explained in the attachment

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

VEMU Institute of Technology founded and established in 2008 by a true academician Prof. K. Chandrasekhar, Retired Professor, Andhra University,

VEMU fosters the pursuits of individual excellence among the students so as to make them participate in academic, spiritual, cultural, social and physical activities in order to develop them in all facets of life. VEMU provides quality education which becomes a passport for students to have a steep rise in life creating practical avenues to attain career and financial gains.

By adopting 3600 grooming, VEMU empowers its students in the pursuit of knowledge, skills and social responsibility, help students achieve excellence in various fields and to prepare them face the challenges in the real world.

VEMU has established its distinctive approach through 3600 grooming and modeled the same with the following activities:

1. Learning beyond the classroom
2. Industry Institute collaboration and interaction
3. Student Clubs, Technical Associations & Professional Bodies
4. Employment Enhancement through Skill Development and Placements
5. Development of Social Competencies through socially relevant projects
6. Innovation - Start up - Entrepreneurship Development
7. College Fests and Sports

The above are explained in detail in the attachment.

NAAC

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

VEMUIT is affiliated to JNTUA, Ananthapuramu and follows the academic calendar prescribed by the University.

Based on the university academic calendar, the departments prepare their own academic calendars and teaching plan. Subject allotment is made by the HOD's as per the preference given by the faculty, expertise and experience of the faculty and difficulty level of the subject. The faculty for the allotted subjects are responsible to prepare and collect.

- Lesson plans
- Course materials
- Question papers of the previous years
- Content beyond the syllabus
- ICT materials

Need-based teaching-learning strategies are adopted, such as:

- Conventional Chalk and Talk
- Power Point Presentations
- Video Lectures
- NPTEL Course Materials
- Assignments
- Quiz
- Guest Lectures

The Institution has well equipped computerized library which includes:

- Adequate number of books
- E-books
- Magazines
- E-journals
- Reference Books.

For effective curriculum delivery, E-learning resources are uploaded in to college website, immediately after commencement of academic year/semester. Feedback is obtained periodically

from the students, alumni, staff, parents and employers to identify the gaps in the curriculum and address the same. The identified gaps between the curriculum and industrial requirements are bridged through Certification Courses, Value added Courses, Workshops, Seminars and Guest Lectures etc

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://vemu.org/uploads/naac/3407469611.1.1 Effective Curriculum Delivery-2020-21.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

- Academic calendar is prepared and communicated by the university prior to the beginning of each semester.
 - Based on the university calendar, the institute prepares its own academic calendar and teaching plan.
 - 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 exams schedule is prepared according to the university academic calendar and is intimated to students well before the commencement of examination.
- All laboratories are well equipped and all experiments as per university curriculum are conducted.
- In addition to the regular curriculum experiments, one or two additional experiments are also conducted.
- For JNTUA Regulations R15, R19 & R20 the labs are evaluated as 30 marks (Internal) + 70 marks (External)
- The internal marks of 30 are evaluated based on the day-to-day performance of the students in the laboratory classes.
- The external marks of 70 are evaluated by conducting a university practical examination at the end of the semester.

- Various departmental activities are planned to be organized by the respective departments are included in the institute Academic Calendar and is followed without much deviation.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://vemu.org/uploads/naac/6306950691.1.2 Continuous Internal Evaluation 2020-21 VEMU.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

C. Any 2 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

12

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

12

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

995

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

995

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The institution is putting persistent efforts to integrate cross cutting issues into the curriculum. The curriculum

designed by the university in itself has included many of the aspects such as the subjects namely Environmental Studies, Social Values and Ethics, Universal Human Values etc.

Students are given inputs for promoting various environmental issues like

- Preservation of natural resources - forests, minerals, soil, food, water, energy
- Environmental pollution - solid waste management
- Environmental ethics, Environmental legislations

Field visits as part of students assignment are conducted to study various environmental issues. College organizes various programs related to environment like earth day, environmental day, water conservation day etc.

Social Values & Ethics underlines the importance of

- The institutions of family and society
- Nation building & National integration
- Role NCC, NSS, Physical Education and Yoga for a healthy individual self.

Environmental Engineering concentrates on healthy environment through:

- Water management
- Waste water treatment
- Solid waste management

Disaster Management and Mitigation focuses on

- Various categories of environmental hazards/ and disasters
- Problems consequent to deforestation

Energy Audit Demand Side Management studies the pressing issues of

- Deficiencies in proper utilization of produced power
- Use of power efficient and power conserving technologies

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

39

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

1850

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System	
1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	A. All of the above
File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	No File Uploaded
1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website
File Description	Documents
Upload any additional information	View File
URL for feedback report	https://vemu.org/uploads/naac/12400242671.4.2_Feedback_process_of_the_Institution.pdf
TEACHING-LEARNING AND EVALUATION	
2.1 - Student Enrollment and Profile	
2.1.1 - Enrolment Number Number of students admitted during the year	
2.1.1.1 - Number of sanctioned seats during the year	
792	
File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

316

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institution has well-planned strategies implemented from time to time to address the issues of diversity in students' learning levels. The actual division of students into slow and advanced learners is based on their performance in the I-mid examinations. • Special remedial classes are arranged for the slow learners beyond the regular class schedule on specific days for each course and individual attention is paid for improving the students' level of learning, problem solving and presentation. • Slow learners are further assisted through individualized counselling by the faculty mentors. Most of the students' problems resolved by these efforts and if felt necessary, the parents are called in for additional help to their ward. • Simultaneously, the needs of the advanced learners are taken care of by the concerned faculty through assignments, seminars etc . Advanced learners are encouraged to participate in programs like coding contests, campus specific recruitment training, take up additional certification courses like NPTEL - MOOCs, Certification courses like PYTHON, MATLAB, PSPICE, CATIA certification under CAD/CAM, APSSDC programs and participate in external paper presentation contests etc. It is quite often noted that the slow learners become more motivated and start performing well in academics after remedial classes.

File Description	Documents
Link for additional Information	https://vemu.org/uploads/naac/2662517642.2.1_Adavnced_& Slow_Learners_2020-21_VEMU.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2100	171

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The quality teaching-learning process is one of the major objectives and strengths of our VEMUIT. Students are given a right blend of traditional and modern methods to make learning student-centric and a rewarding experience. VEMU IT provides an effective platform for students to develop latest skills, knowledge, attitude, values to shape their behaviour in the correct manner. All departments conduct innovative programs which stimulate the creative ability of students and provide them a platform to nurture their problem-solving skills and ensure participative learning. Experiential learning, participative learning and problem solving methodologies are well adopted to ensure the holistic development of students and facilitate life-long learning and knowledge management.

Participative learning

1. Participation in departmental professional society activities
2. Participation in Guest Lectures, Workshops and seminars.
3. Department Association activities.
4. Participation in external paper presentation.

Experiential learning

1. Practical courses (laboratory)
2. Internships
3. Industrial visits
4. Project work

Problem solving methodologies adopted are

1. Giving assignments and quizzes.
2. Tutorials

All academic activities are aimed at elevating the students' knowledge, skills and build confidence in them.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://vemu.org/uploads/naac/11021881662.3.1_Students_Centric_Methods_2020-21_VEMU.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

- Effective content delivery by using ICT tools in the class room for better understanding and reinforcement of the concepts and problem-solving is adopted by the institution.
- ICT tools complement the traditional teaching-learning methods, and the institute is highly interested in providing innovative methods for enriching the learning experience.
- The institution has the needed resources like computers in all departments & library and high speed internet access etc
- Teaching/Learning methodologies include the use of ICT tools for illustrations and special lectures, field study, project-based-methods, experimental methods etc.
- ICT components are embedded in the course contents of all relevant engineering disciplines which include free / commercial software like Code Tantra etc.
- ICT for course delivery includes power point presentation, video conferencing or educational websites.
- ICT enabled Teaching-Learning Process is supported with Regular Practical Sessions, access to Digital Library,

Online Courses (MOOCS, NPTEL etc.), online journals, Online tests, Use of LCD projectors for seminars and workshops, productive use of educational videos, and accessibility of non-print material for students of different disciplines.

- Communication skills training facility is enriched with ICT tools like Orell Software to make the students acquire proficiency in listening, speaking, reading and writing skills.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://vemur.org/uploads/naac/1793453952.3.2 Teacher Uses ICT Tools 2020-21 VEMU.pdf

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

134

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

171

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

28

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

3.7 Years

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

- As per the university academic regulations, in each theory course, two midterm examinations are conducted, one in the middle and the other at the end of the semester.
- The marks secured in the mid semester examinations are calculated for a maximum of 30 marks.
- Final mid marks shall be arrived at by considering the marks secured in both the mid examinations with 80% weightage to the better mid exam and 20% to the other
- The department has an Internal Question paper Committee (Head and senior faculty) which will audit the question papers and checks the quality of questions, mapping with COs and learning levels as per the revised Blooms Taxonomy.
- The lab experiment performed is immediately evaluated by the continuous evaluation pattern suggested by university. The continuous evaluation pattern is given in the lab manual which is shared with the students well in advance.
- Project internal evaluation is done through three reviews. The evaluation pattern and the rubrics followed are informed to students well in advance. The rubrics designed have criteria- quality of problem, literature survey, presentation, team work, etc.

With these systems, VEM IT exhibits transparency in the mechanism internal assessment.

File Description	Documents
Any additional information	View File
Link for additional information	https://vemu.org/uploads/naac/922505722.5.1_Internal_Assesment_2020-21_VEMU.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

- The college follows strictly the guidelines and rules issued by the affiliating university while conducting internals examinations.
- For conducting the mid exams a college level examination committee is constituted and a coordinator is allotted from each department for smooth conduction of mid exams.
- Two internal assessment tests are conducted in each semester.

- Time table for test is prepared well in advance and communicated to the students.
- A proper seating plan is followed for mid exams and it is displayed on the notice board.
- After evaluation of mid exam answer scripts, the scripts are shown to the students to check any discrepancy or doubt in evaluation.
- If they come across any doubts, clarification will be given by faculty.
- After preparing the assessments report by faculty it is shown to HoD and a copy is submitted by the concerned faculty to the department.
- The assessment marks of all the two mid exams and final internal marks are sent to HOD for verification.
- The internal marks are displayed in the department notice board for students' information.
- Any discrepancies regarding internal marks raised by student will be verified at department level by HOD and the finalized internal marks will be sent to examination section.

File Description	Documents
Any additional information	View File
Link for additional information	https://vemu.org/grievance

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The POs and PSOs and COs are published and disseminated among the stakeholders as follows:

S. No.

Media/Location

Remarks

1.

College Website

www.vemu.org

(<https://www.vemu.org/>)

2.

HOD's Room

Display Posters

3.

Staff Rooms

Display Posters

4.

Department Laboratories

Display Posters

5.

Department Corridors

Display Posters

6.

Department Library

Display Posters

7.

Departmental News Letters

Published

8.

Department Technical Magazines

Published

Course Outcomes:

S. No.

Media/Location

Remarks

1.

College Website

www.vemu.org

(<http://www.vemu.org/>)

2.

Lab Manuals

Published

3.

Course End Survey Form

Published

Process of Dissemination among stakeholders:

The POs and PSOs statements are discussed in various meetings as well as workshops such as

1. DAC Meeting
2. GAC Meeting
3. Faculty Meeting
4. Workshops/ Seminars/ FDPs
5. Other important meetings.

The COs are discussed in

1. Classrooms during sessions
2. Laboratories during lab sessions
3. GAC Meeting
4. Faculty Meeting

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://vemu.org/uploads/naac/2234067452.6.1_COs_&_POs_2020-21_VEMU.pdf
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

CO Attainment • COs are formulated for each course by course coordinator. • To assess the course outcomes, direct assessment tools- internal and university marks and indirect assessment tools- Course end survey are used. Step1: Overall Direct Assessment including Internal and University Examinations: • Weightage to University Examinations: 70% • Weightage to Internal Examinations: 30% Step2: Indirect Assessment: Tools: Course End Survey Process: Collect the feedback and calculate the weighted average as mentioned below

Step3: Overall Course outcome Attainment including Direct and Indirect Survey: Attainment of Course outcomes = 70% of Direct Assessment + 30% of Indirect Assessment.

POs attainment: List of Assessment Tools: • Attainment of POs and PSOs is based on direct assessment tools- CO attainment (80% weightage) as well as indirect assessment tools- Graduate Exit Survey (10%), Alumni Survey(5%)and Employer Survey(5%).

Direct Assessment • POs and PSOs attainment at course level is calculated by taking the average of arithmetic multiplication of course outcomes attainment levels and CO-PO matrix.

Collect the Surveys and calculate the weighted average for each survey as mentioned below.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://vemu.org/uploads/naac/6850235712.6.2_CO-PO_ATTAINMEMNT_2020-21_VEMU.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

553

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://vemu.org/uploads/naac/19564096692.6.3_Student_Pass_Percentage_2020-21_VEMU.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

https://vemu.org/assets/student_satisfactory_survey.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

Rs . 3 . 39Lakhs

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

01

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.aicte-india.org/schemes

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

56

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

43

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

56

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

VEMU Institute of Technology organizes and participates in several extension activities with a dual objective of sensitizing students about many social issues and contributing and strengthening of the community. VEMUIT organizes many extension activities to endorse institute-neighborhood community and also to sensitize the students towards community needs. The students of our college enthusiastically participate in the following social service activities leading to their overall development. 1. Awareness Programme on Corona Virus 2. Blood Donation Camp 3. Eye Check-up Camp 4. Special NSS Camp 5. Swachh Bharat Program 6. Tree plantation 7. Voter awareness

slogan 8. Road safety Awareness and 9. Women Empowerment program Our College adopted a couple of villages including Hasanpuram and Vasanthapuram which are located 6 Km from the college campus. Our NSS unit conducted several activities such as Awareness Programme on Corona Virus, Special NSS Camp, Swachh Bharat Program, tree plantation, Road safety Awareness and Women Empowerment program etc in the two adopted villages as part of extension activities. These extension and outreach activities sensitize the students towards social issues and remedies for matters like domestic violence, dowry, child abuse, old and infirm and displaced persons etc.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/12406331793.3.1_Extension_Activities_2020-21_VEMU.pdf
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

0

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	No File Uploaded

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

1

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

20

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

35

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

28

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES**4.1 - Physical Facilities**

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

- The institution has a state-of-the-art infrastructure to facilitate the students and faculty to carry out their teaching and learning process in an effective way.
- Total Area of the Campus is 10.11 acres with a built up area of 26032.79 sq.m.
- The college has eight well designed academic blocks comprising 51 spacious, well-furnished classrooms with adequate lighting, ventilation, podium, seating arrangement. All classrooms are equipped with ICT facilities like LCD Projectors, CPU and Wi-Fi for better learning experience.
- There are 50 well equipped laboratories and 3 drawing halls with state of the art facilities to meet the curriculum requirements.
- All Labs are provided with adequate safety measures and periodic maintenance.
- There are 4 seminar halls with 150 to 200 seating capacity and an auditorium with 600 capacity along with LCD Projector, Wi-Fi, Audio and Video facilities available for various academic and cultural activities.
- Central Library with 4705 titles and 31145 Volumes along with 36 International Journals, 74 National Journals, 6 Magazines and e-journals available.
- A total of 901 computers systems are spread across all the departments to facilitate the students and faculty members to conduct classes, laboratory sessions and carry out research.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vemu.org/uploads/naac/15230717624.1.1_physical_facilities_2020-21_vemu.pdf

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

- • VEMU focuses on holistic development of the students by encouraging them to participate in co-curricular and extra-curricular activities.
- • The institution has both Indoor and Outdoor sports facilities.
- • Students are encouraged to participate in different sports/Games and cultural activities.
- • The institution has a well equipped Gym. Yoga classes are being conducted for promoting health of staff and students.
- • The institution provides equal importance to Cultural activities also. They are performed during the College festivals like Fresher's day, Farewell day, Annual day and Sports Day celebrations.
- • Annual Day is planned at the end of every year to appreciate and honor the meritorious students in all aspects like University Rank Holders, Class toppers, etc.
- • Hobby clubs have been introduced for students with the motto of bringing out the hidden talents of the students in all aspects. These clubs mainly focus on the ethnic activities from the students to show their talents. These clubs comprise of Non-Stage events which include Essay writing, oratorical, drawing etc., and Stage Events like dance, singing, Art and Crafts, Acting etc.
- • All these will help for the holistic development of students' and also to develop their personality.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vemu.org/uploads/naac/11697184774.1.2_Spots-cultural-gym-yoga_2020-21_VEMU.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

56

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

56

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://vemmu.org/uploads/naac/10535393194.1.3-ICT_2020-21_vemmu.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)**4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)**

736.96

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource**4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

• The Library at VEMUIT acts as integrated knowledge resource center comprising, a Central Library in an area of 694 sq.m, with nearly 31145 books, latest e-journals by the JGATE, DELNET, N-LIST, IE INDIA, periodicals, references, national and

international journals and CD-ROMs, in addition to other Departmental Libraries. Automated Library Management System: • Library of the institute is fully automated. • Library Management System (ILMS) is used to take care of all the operations since 2008. • OPAC help users to select books of their choice. • Wi-Fi facilities available for the convenience of users. Details about software: • Name of the ILMS software: ECAP for Windows by Webpros India Pvt. Ltd. • Nature of automation : Fully Automated Version : 1.0 • Year of Automation : 2019 • Capacity: Can handle high end data and web application with full security. Operations carried out through software: • Accession register • Bar-coding of books • Circulation of books • Master entry of books with details • Web enabled OPAC available. Students can search all the details about the book like as title, author, publication, location, availability etc. • Cataloging through OPAC, sorting by author, title, publication etc. • Reports generation.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://vemu.org/uploads/naac/1034117064.2.1_Library_management_sytems_2020-21.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

222320	
File Description	Documents
Any additional information	View File
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File
4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)	
4.2.4.1 - Number of teachers and students using library per day over last one year	
15547	
File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File
4.3 - IT Infrastructure	
4.3.1 - Institution frequently updates its IT facilities including Wi-Fi	
<p>Institute strengthens its IT facilities to provide modern and digital platform to students and faculty to enhance their learning avenues. Gradually and continuously laboratories have been upgraded for better system configuration and ergonomics. In addition the college continuously upgrades its IT related equipment, add-on peripherals and other supporting materials such as Laptops, D Link switches, Networking and Ethernet ports, Bio-metric devices and LCD Projectors. Bandwidth of the internet is also upgraded according to the increase in use of the internet in various activities of the institute. Currently we have 120 MBPS (3 Leased Lines) (NME) including 20 MBPS (ILL) of internet bandwidth along with latest workstations. All computers are connected through LAN. With high speed LAN connectivity, it is possible for students to attend lectures & video tutorials (NPTEL, You Tube) for competitive preparation & enhance their knowledge. Majority of the campus area of VEMU has Wi-Fi Internet accessibility.</p> <ul style="list-style-type: none"> • Computers for Students: 812 • Computers for faculty and Office: 89 • Total Number of Computers: 901 <p>The Institute is associated with Andhra Pradesh</p>	

State Skill Development Corporation (APSSDC) and has procured 73 laptops with high configurations.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vemu.org/uploads/naac/18664403164.3.1 IT infrastructure 2020-21 VEMU.pdf

4.3.2 - Number of Computers

901

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution **A. ? 50MBPS**

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

354.18

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

For the holistic development of students, faculty and staff, facilities like laboratories, library, computer labs, seminar halls and sports complex etc are available. Equal opportunity to utilize these facilities are there for faculty and students.

- Laboratory:** The equipment in particular lab are issued to the students for performing the experiment which will be returned at the end. Extracurricular activities like making models, preparing for different technical events etc. are also allowed in the lab on need basis. In such cases, student should get permission from HOD.
- Library:** Each student after enrollment at VEMU will be issued a LIBRARY CARD to get the text books and reference books. Faculty members can take books for their reference from library.
- Sports :** VEMU has sports facilities for indoor and outdoor games. Students and staff get the sports kit from the physical director and same will be returned after completing the events.
- Computer Facilities:** All the departments have sufficient number of computer labs. Students and staff can utilize these facilities when required.
- Seminar Halls:** Seminar halls with computer, projector and public address system are available. To use the seminar hall prior permission from department coordinator is to be taken.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vemu.org/uploads/naac/4094632244.4.2_maintenance_procedures_2020-21_VEMU.pdf

STUDENT SUPPORT AND PROGRESSION	
5.1 - Student Support	
5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year	
5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year	
1314	
File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File
5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year	
5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year	
351	
File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File
5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and	A. All of the above

hygiene) ICT/computing skills	
File Description	Documents
Link to institutional website	https://vemur.org/uploads/naac/5910082185.1.3 Capacity building and skills enhancement 2020-21 VEMU.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File
5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
1575	
5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
1575	
File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File
5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

370

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

10

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State

government examinations) during the year

4

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year****5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.**

1

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

- VEMU Institute of Technology creates a platform for the active participation of the students in various academic and administrative bodies including other activities. This empowers the students in gaining leadership qualities, in following rules, regulations and execution of skills.
- Institute has constituted various committees to involve in different academic and administrative activities in the campus.
- The committees in which the students are nominated as

members are

- Class Committee
 - Student Welfare Committee
 - Disciplinary Committee
 - R & D Cell Committee
 - Anti-Ragging Committee
 - Hostel Committee
 - Women Empowerment & Grievance Redressal Committee
 - Library Committee
 - Career Guidance cell Committee
 - Technical Magazines & Newsletters committee
 - Sports committee
 - Cultural committee
 - NSS committee
 - Technical Associations committee
- All the student nominees are invited to the committee meetings and their remarks and suggestions are taken in to consideration while taking a decision related to that particular committee.
 - Third year and Final year students act as Editors for preparing College News Letters, Departmental News Letters and Technical Magazines.
 - Students are elected for the executive body members of professional societies and department associations.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/18276248355.3.2_students%E2%80%99_representation_in_various_administrative,_co-curricular_and_extracurricular_activitie_2020-21_VEMU.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

18

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The Institute has a registered Alumni Association for building strong bond between alumni and present students. The alumni give support to the students through interaction, financial funding, guidance and placement. The Alumni Association of the Institute is called as VITAA i.e. VEMU Institute of Technology Alumni Association. This was registered on 8th September 2019 under the Andhra Pradesh Society Registration Act., 2001 with Registration No. 445 of 2019. The mission of the Alumni Association is to foster a mutually beneficial relationship between the Institute and its alumni.

Initiatives involving finances: Feedback on curriculum Teaching learning process Bridging the gap between industry and academia Important suggestions about changing trends about business and industry Guest lectures to the students of current year batch. Financial contribution of the alumni during the last academic year is around 1.5 lakhs. In the Academic Year 2020-21, the following activities are conducted

S.No

Department

No. of Alumni talks conducted

1

ECE

2

2

CSE

3

3

EEE

3

4

ME

1

5

CE

1

Alumni Meets:

- Alumni meets are conducted periodically for networking, strengthening the social relations and sharing the expertise with the students for guidance, projects, placements, internship and competitive examination. Alumni are also engaged in providing placement support and Research activities.
- Alumni meet is arranged on second Saturday of January, every year. In 2020-21 Alumni Meet was conducted on 12-01-2021.

File Description	Documents
Paste link for additional information	https://vemur.org/uploads/naac/13778461525.4.1 Alumni Association that contributes significantly to the development of the institution 2020-21 VEMU.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The governance of the institution is reflective: • Governing body constituted as per the norms. • Management and Principal participate in the Governing Body to ensure the policy statements, action plans are aligned for attaining the mission of institute. • Principal frames the rules and regulations in consultation with Governing body of the institution. He reviews the outcomes from the implementation of action plans through meetings with various statutory and non-statutory committees and makes necessary changes in action plans if required. • HODs are responsible for content delivery, effective teaching-learning process, monitoring of mentoring system, up-gradation and maintenance of equipment.

File Description	Documents
Paste link for additional information	https://vemur.org/uploads/naac/7585101336.1.1 Vision & Mission- Governance 2020-21 VEMU.pdf
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

- The institution promotes the participative management at the strategic level, functional level and operational level.
- Right from the Chairman to the staff and students, all stakeholders play role in development of college. Their involvement and cooperation in devising and implementing decision making policies for academic and administrative affairs through various bodies and committees have contributed to the growth of the college.
- Institution focuses on decentralization by intending equal opportunity (equal role to participate) in the functioning of the Institution.
- The Principal, Heads of the departments, teaching and non-teaching faculty along with student representatives together concentrate on fostering the progress of institution by sharing the responsibilities and act according to the aims and objectives of the Institution.

Participative Management:

1. Strategic level: The Principal, governing body, faculty and IQAC are involved in defining policies & procedures, framing guidelines and rules & regulations pertaining to examination, code of conduct-discipline, grievance, support services, finance etc.
2. Functional level: Faculty members share knowledge among themselves, students and staff members while working for a committee.
3. Operational level: The Principal and faculty members interact with government and external agencies & faculty members maintain interactions with the concerned departments of affiliating university.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/5107761766.1.2_Decentralization_&_Participative_Management_202-21.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

- Strategic plan focuses on current trends in higher and technical education. It makes an assessment of different stakeholder's expectations, students, faculty members, employers, and needs of the people of the region.
- These prospective plans are projected after many brain storming

sessions and considering the short term, medium term and long term development goals of the institute. The salient features of the strategic plan are:

- Developing Multidisciplinary innovation ecosystem
- Encouraging faculty and students to publish papers in reputed journals and patent filing.
- Sponsoring faculty and students to participate in Inter-Institute events & Conferences.
- Organize Workshops/Training/Conferences for faculty and staff.
- Apply for projects from government and non-governmental organizations
- Purchase of Lab Equipment & Softwares.
- Organizing Guest Lecture, Association Activities/ Certificate/Value Added Courses.
- MoUs with industry.
- Industrial Visits, Internships & Industry based projects.
- Alumni interaction

The Implementation of these plans have yielded:

- Presentation of projects at inter institute events and national level competitions.
- Improvement in the number of papers published.
- Increase in number of faculty members pursuing doctoral program
- Increase in no of patents filed
- Better Alumni interaction with students and institute.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://vemtu.org/uploads/naac/21280846296.2.1_Website.pdf
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

- The Institution has a well-structured administrative setup.
- The Governing Body is the highest decision-making body, which gives constructive suggestions to the management for effective decision making and to meet the Vision, Mission of the college and the needs of the stakeholders. An organogram in the website represents the administrative hierarchy of the institute and decentralization.
- Institute has statutory and non-statutory bodies with defined roles and responsibilities ensure transparency, participative management, and decentralization at every level.

- Service rules, various policies such as recruitment, promotion are available for the functional aspects of the Institution.
- The web-based grievance redressal mechanism, through the college website, takes care of impartiality and confidentiality
- Policies for the functional aspects of the Institution: Research and Development Policy, Consultancy Policy, E-Governance Policy, Anti-Plagiarism Policy, Examination Procedures, Anti-Ragging Policy, IPR Policy, Document Retention Policy, Conduct Rules for Students, Conduct Rules for Faculty, Recruitment Policy, Promotion Policy, Incentive Policy.
- All the recruitments are made transparent by duly advertising the posts in leading dailies / online and conducting interviews by involving external experts from IITs / Universities /Premiere Institutions.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/pdf_files/VEMU-IT_HR_Policy_Book-Final-2022.pdf
Link to Organogram of the Institution webpage	https://vemu.org/organogram
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Welfare measures extended to the teaching and non-teaching staff of the Institute:

Teaching Staff:

- Laptops to senior faculty members.
- Group savings linked insurance (GSLI) for all regularized teaching staff
- Maternity Leave for female staff members
- Special casual leaves for attending conferences and workshops
- Study leave for higher education and qualification improvement
- Financial support for Registration fees, Dearness allowance, Travel grants for faculty attending conferences and workshops.
- Subsidized food at the canteen
- Incentives & additional facilities for R&D activities
- Seed Money for Initiating Research Work
- Incentives for publication in Journals and Conferences, sponsored research projects
- Increments after getting Ph.D
- Reimbursement of entire expenditure for faculty and submission of research proposals at various organization

Non-Teaching Staff:

- 100% contribution for the policy of Rs.1 Lakh.
- Employees Provident Fund Scheme and gratuity for all the regularized staff
- In the event of the death of an employee in service, his/her dependent will be considered for suitable employment on compassionate grounds and the availability of vacant posts.
- Uniform (dress code) at free of cost to the class - IV employees.
- Subsidized food at canteen.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/pdf_files/VEMU-IT_HR_Policy_Book-Final-2022.pdf
Upload any additional information	No File Uploaded

6.3.2 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

39

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

22

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

104

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

- A good performance appraisal system helps for the improvement of the overall performance of teams and individuals for ensuring the achievements of the overall**

organizational mission and vision.

- VEMU IT conducts appraisals to have a systematic evaluation of employee performances.
- This performance appraisal is an annual review of employees to assess their job performance and contribution to the organization that help in evaluating and identifying skills, growth, achievements, and shortcomings of an employee.
- Performance appraisals make the employees feel appreciated, recognized, boosting morale for good. The evaluation not only acknowledges contribution of staff but also helps to set goals and pave a path for their future endeavors.
- This method is a systematic assessment where faculty is rated on a scale of 100 points.

1. Teaching Learning and Evaluation-50M
2. Research Activities-20M
3. Professional Upgradation -13M
4. Institutional Service-13M
5. Leaves-4M

- At the end of each academic year, the data about the above categories are collected from each faculty member.
- VEMUIT uses appraisals to provide general feedback and justify salary increments, promotions, and demotions. It also acts as a communication bridge between employees and organization
- As such there is no performance appraisal system followed for non teaching staff in the institute.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/18911302036_3.5_Faculty_Performance_Appraisal.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

- The college has mechanism for audit of the financial activities carried out in the Institution every Year.

- Accounts department maintains financial accounts, prepares financial statements audited by an external auditor.
- External Annual Financial Audit account is done by a Chartered Accountant.
- The audit is conducted to check the correctness of the financial transactions and statement affairs of the Institution.
- The auditor verifies Cashbook, Bank accounts, Ledgers, Bills, Vouchers, and statement of cash position and cash flow physically and conducts check on the heads of various accounts, balance dates, and postings.
- In case of funds received from funding agencies, an account is prepared in the required format on completion of the sanctioned project which is first audited by the CA, and then submitted. A no-objection certificate is received after settlement of accounts.
- Audit reports are submitted to the management. The Governing Body ratifies these reports.
- With all statutory obligations duly complied, there were no major audit objections until the last audit.
- Audit objections, if any, in case of all the above audits are complied with promptly by the Accounts section of the College, and the CA is also consulted whenever required.

File Description	Documents
Paste link for additional information	https://vemu.org/assets/audit_reports/FINANCIAL-YEAR-2020-21.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	View File
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Mobilization of Funds:The College mobilizes funds as per the policy and procedure enacted by the Management. The process is monitored by the finance committee under the chairmanship of the Principal. The College receives funds from the following sources.

Income:

1. Tuition fee
2. Research grants
3. Consultancy
4. Alumni funds
5. Philanthropic contribution
6. Interest on bank deposits

Utilization of Resources: At the beginning of the financial year, all the departments submit their financial requirements for the coming financial year under various heads. The requirements will be consolidated and the budget will be sanctioned by the management by taking care of the funds inflow. After the approval form GB, the funds will be allotted to the respective departments. At the end of the financial years, the departments submit their budget utilization reports for their allotted funds.

VEMU IT effectively utilizes the funds in the following ways

1. Salaries and Benefits
2. Power and Fuel
3. Printing and Stationary
4. Postage and Telephones
5. Library-Periodicals and magazines, journals
6. Affiliations

7. Travelling and Conveyance
8. Furniture
9. Laboratory Equipment and Consumables
10. Establishing Centres of Excellence and Industry Collaborative Labs
11. R & D
12. Training & Placement
13. Examinations
14. Software procurement, maintenance, Wi-Fi, Internet
15. Student Services

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/5615166826.4.3_Budget_file-20-21_Final.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Significant Contributions:

1. NBA Accreditation visit for EEE, ECE & CSE.
2. Programs organized by IQAC

2020-21 -Sem II

S.No

Name of the Program

Resource Person

Date

Targeted Audience

No. of Faculty

1.

A session on "Patent drafting &

Patent filing"

Dr H.Sudarshan Rao

Professor, Dept.of .CE

12-08-2021

All Faculty

105

2.

Training programming on "NAAC documentation"

Dr. Naveen Kilari, Principal, VEMU IT

22-09-2021

All faculty

120

2020-21 -Sem I

S.No

Name of the Program

Resource Person

Date

Targeted Audiance

No. of Faculty

1.

Awareness program on Research paper writing (Virtual)

Dr H.Sudarshan Rao

Professor, Dept.of .CE

17-12-2020

All Faculty

102

2.

A session on "Outcome based Education

Smt. D. V. Sai Sireesha

10-02-2021

All faculty

120

3. Online National Conference

4. ARIIA Ranking

5. Career 360 Ranking

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/5344168886.5.1_Quality_Initiatives_taken_by_IQAC_(1).pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

IQAC is adopting a well-defined review mechanism of Teaching-Learning process, structures and methodologies of operation and learning outcomes through

- Academic Audit
- Faculty assessment through faculty performance appraisal
- Departmental performance
- Feedback from stakeholders
- Question papers and answer scripts auditing
- Assessment of outcomes through PAC and DAB
- Review through statutory and non-statutory committees

All metrics of academic activity including Teaching- Learning process, learning outcomes are thoroughly reviewed in Annual Academic audit by the experts in academic audit committee. It also reviews quality assurance policies, mechanisms and outcomes. The Structured feedback is analysed and appropriate follow up action is taken to meet the standards.

File Description	Documents
Paste link for additional information	https://vemu.org/uploads/naac/110612164AC_ADEMIC_AUDIT_FORMATS.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s)

A. All of the above

Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

File Description	Documents
Paste web link of Annual reports of Institution	https://vemtu.org/uploads/naac/1929653538Annual_Report-2020-21.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Congenial atmosphere is prevailing in the institute where women / girls are encouraged to work and study. Institution shows gender sensitivity in providing facilities for women in terms of:

A. Safety and Security -

- Active Women Empowerment and Grievance Redressed Cell
- 24 x 7 CCTV cameras for monitoring of movement of visitors
- Suggestion boxes at prominent places in the campus.
- Awareness on Disha Mobile App (developed by AP police department) for women security.
- Exclusive college bus for girls in the identified routes
- Deployment of Security guards at various places in the building and in the campus.
- Health care center, Separate dining hall and rest rooms for girl students.
- Self-defense training classes, Awareness programs on the policy of sexual harassment, gender discrimination and the complaint process.

B. Counseling

- Counseling in major areas i.e. academics, career and behavioral aspects.
- Intimation to parents whenever necessary.

C. Common Room

- Separate Common rooms with necessary facilities.

Others

- Nominating Women faculty as HODs and Conveners of various committees.
- Planning exclusive women Placement recruitment drives
- Monitoring till the last women employee/girl student leaves the campus.
- Educating boys on the behavioral norms at the time of orientation.

File Description	Documents
Annual gender sensitization action plan	https://vemur.org/uploads/naac/14800867207.1.1_Gender_Equity_2020-21_VEMU.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://vemur.org/uploads/naac/812766687.1.1_gender_equity_photos.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of

degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Solid waste management:

- Dustbins are placed separately for dry waste (Blue bins) and wet waste (Green bins) in the campus.
- The dry leaves, twigs etc are collected and decomposed in a pit which is used as manure for trees and plants.
- For proper disposal of sanitary waste units are installed in women's washroom across the campus. all units every fortnightly and replace with new.

Liquid waste management:

- Liquid waste from the wash rooms is conveyed to the drain and waste water from laboratories is disposed off into closed collecting tank after neutralizing the chemicals etc.
- All the water discharged in the campus is sent to the sewage treatment plant and is treated for reuse.

E-waste management

- The condemned batteries and damaged computers are disposed through outside agencies. Obsolete computers and other electronic gadgets are sold to recyclers.
- E-waste generated is given to the authorized dealers who purchase the scrap. Electronic and electrical instruments under repair are given to the students during the lab sessions to dismantle and reassemble.

Hazardous chemicals and Radioactive waste management

- For hazardous chemicals, separate cupboards & racks are used with all guidelines for use of hazardous chemicals.
- There is no radioactive waste generated in campus,

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	https://vemu.org/uploads/naac/20211526917.1.3_Waste_management_2020-21_VEMU.pdf
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

- 1. Restricted entry of automobiles**
- 2. Use of Bicycles/ Battery powered vehicles**
- 3. Pedestrian Friendly pathways**
- 4. Ban on use of Plastic**
- 5. Landscaping with trees and plants**

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above
--	-------------------------------------

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	A. Any 4 or all of the above
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File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

VEMU Institute of Technology is regularly conducting programs for providing an inclusive environment and promoting tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic, and other diversities.

The objective is to sensitize about communal harmony and national integration. Every year NSS Cell conducts Special Camps in two Haasan Puram and Vasantha puram villages. These camps are directed towards various social issues impacting the lives of the people in the community; including social and cultural values among the young students.

Various cultural programs are organised to celebrate the cultural diversity in which students perform regional or cultural folk songs and dances. These cultural events are organized at different levels- departments, hostels, and college- on different occasions like Traditional day, Independence Day, Republic Day, etc.

Ø To cater to linguistic diversity, competitions like Essay Writing, Elocution are conducted.

Ø The various departments of the college conduct seminars, workshops, and outreach programs to promote communal harmony and tolerance.

Ø Subjects Constitution of India and professional ethics are made mandatory to all students across disciplines.

Ø Various activities like Essay Writing Competition, Patriotic Song Singing Competition, Lectures by Eminent Personalities and Mass recitation of National Anthem by all students are exercised and performed.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

VEMU Institute of Technology sensitizes students and employees of the institution to the constitutional obligations about values, rights, duties, and responsibilities of citizens which enables them to conduct as a responsible citizen.

Major Initiatives

1. Academic Courses
 2. Guest Lectures and Awareness Programs
 3. National Festivals/Days Celebrations
- Mandatory academic courses like Constitution of India, Professional ethics and human values, Universal Human Values are being taught in class rooms as part of their academic requirements to inculcate constitutional obligations among the students.
 - The students and staff are inspired by enabling them to participate in various programs viz. guest lectures and Programs on traditions, values, duties, and responsibilities by inviting prominent people. The institute also conducted awareness programs on the ban on plastics, cleanliness, Swachh Bharat, etc. involving students.
 - The college establishes policies that reflect core values. Code of conduct and Code of Ethics are prepared for students and staff and everyone should obey the conduct rules.
 - VEMU Institute of Technology believes in celebrating events and festivals in college and has the tradition of celebrating all National festivals and birth/death anniversaries of eminent Indian personalities. It is an integral part of learning and building a strong cultural belief and value system in a student.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	No File Uploaded

<p>7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff</p> <p>4. Annual awareness programmes on Code of Conduct are organized</p>	<p>A. All of the above</p>
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File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

VEMU Institute of Technology believes in celebrating events and festivals in college and has the tradition of celebrating all National festivals and birth/death anniversaries of eminent Indian personalities. National festivals play an important role in planting seed of Nationalism and Patriotism among people of India. It is also an integral part of learning and building a strong cultural belief in a student.

Our institution celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders. The Faculty, Staff and Students of the institution all come together to celebrate these occasions and spread the message of Unity, Peace, Love and Happiness throughout.

VEMU Institute of Technology in general, celebrates the birth and death anniversaries of great personalities of India to

drive students into nation's memorabilia.

Due to covid-19 pandemic, the following activities only conducted during the academic year 2020-21

S.No

Name of the Program

Date

1

Constitution day

26.11.2020

2

Swachh Bharat Program

29.11.2020

3

National Voters day

25.01.2021

4

Republic day

26.01.2021

5

International Women day

08.03.2021

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice -1

1. Title of the Practice: Improving Employability through Skill development
2. Objectives of the Practice

The main objectives of the Skill Development programme are:

- To provide adequate hands-on training to students in currently used industry tools and techniques
- to create opportunities for the development of talent within the students and improve the overall scope and space for holistic development.
- to facilitate the students to get placements in good companies preferably MNCs.

3. The Context

4. The Practice

5. Evidence of Success

6. Problems Encountered and Resources Required

Note: The above headings are explained in the attachment

Best Practice - 2

1. Title of the Practice: Fostering Innovative & Research Activities (FIRA)

2. Objectives of the Practice

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.

3. The Context

4. The Practice

5. Evidence of Success

6. Problems Encountered and Resources Required

Note: The above headings are explained in the attachment

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

VEMU Institute of Technology founded and established in 2008 by a true academician Prof. K. Chandrasekhar, Retired Professor, Andhra University,

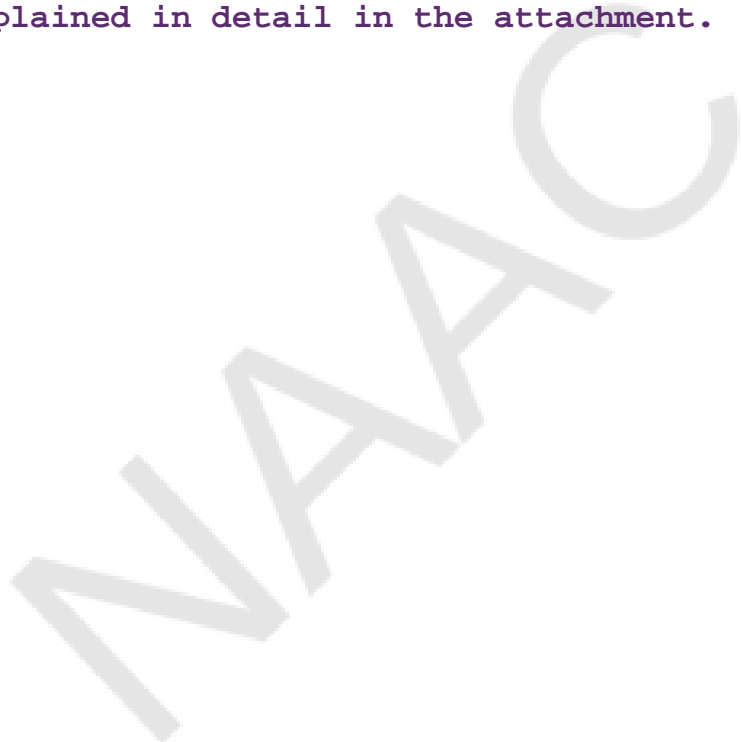
VEMU fosters the pursuits of individual excellence among the students so as to make them participate in academic, spiritual, cultural, social and physical activities in order to develop them in all facets of life. VEMU provides quality education which becomes a passport for students to have a steep rise in life creating practical avenues to attain career and financial gains.

By adopting 3600 grooming, VEMU empowers its students in the pursuit of knowledge, skills and social responsibility, help students achieve excellence in various fields and to prepare them face the challenges in the real world.

VEMU has established its distinctive approach through 3600 grooming and modeled the same with the following activities:

1. Learning beyond the classroom
2. Industry Institute collaboration and interaction
3. Student Clubs, Technical Associations & Professional Bodies
4. Employment Enhancement through Skill Development and Placements
5. Development of Social Competencies through socially relevant projects
6. Innovation - Start up - Entrepreneurship Development
7. College Fests and Sports

The above are explained in detail in the attachment.



File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Plan of action for next academic year 2022-23

In continuation of 360 degrees grooming, VEMU is planning to take the following activities with improved quality and outcomes:

1. Learning beyond the classroom: More co- and extra-curricular activities
2. Industry Institute collaborations and interactions:
3. Student Clubs, Technical Associations & Professional Bodies
4. Employment Enhancement through Skill Development and Placements
5. Development of Social Competencies through socially relevant projects
6. Innovation - Start up - Entrepreneurship Development
7. College Fests and Sports