



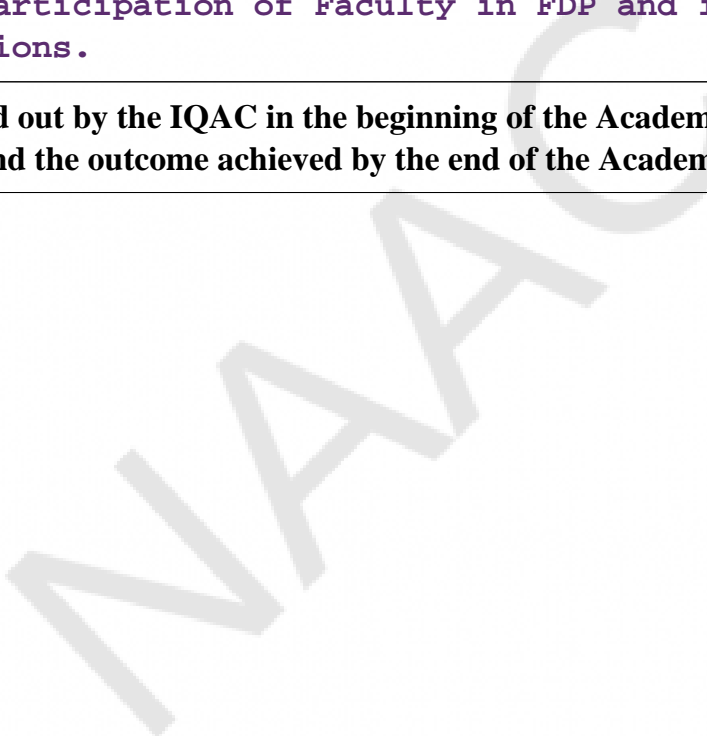
## YEARLY STATUS REPORT - 2020-2021

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	V . S . M . COLLEGE OF ENGINEERING
• Name of the Head of the institution	Dr . P VENKATESHWAR
• Designation	PRINCIPAL
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	7729972264
• Mobile No:	7729972281
• Registered e-mail	principal@vsm.edu.in
• Alternate e-mail	vsmcoe@gmail.com
• Address	main Road
• City/Town	Ramcachandrapuram
• State/UT	Andhra Pradesh
• Pin Code	533255
<b>2.Institutional status</b>	
• Type of Institution	Co-education
• Location	Rural
• Financial Status	UGC 2f and 12(B)

• Name of the Affiliating University	JNTUK Kakinada				
• Name of the IQAC Coordinator	M.V.Ramana, Department of CSE, VSM Collage of Engineering				
• Phone No.	08857246400				
• Alternate phone No.	08857246400				
• Mobile	7729972281				
• IQAC e-mail address	principal@vsm.edu.in				
• Alternate e-mail address	naac@vsm.edu.in				
<b>3. Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://www.vsm.edu.in/engineering/pdfs/AQAR_2019_20.pdf">https://www.vsm.edu.in/engineering/pdfs/AQAR_2019_20.pdf</a>				
<b>4. Whether Academic Calendar prepared during the year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://www.vsm.edu.in/engineering/academiccalendar.php">https://www.vsm.edu.in/engineering/academiccalendar.php</a>				
<b>5. Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B+	.2.63	2017	11/09/2017	10/09/2022
<b>6. Date of Establishment of IQAC</b>	10/09/2017				
<b>7. Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
V.S.M. COLLEGE OF ENGINEERING	Grant of Conference	A.I.C.T.E	2021	400000
B.Sri kalyan	project	S .D.V.V.L SOLUTIONS	2020	120000
Mr.A.VV.SRINIVAS	project	V S M COLLEGE OF ENGINEERING	2020	65000
Mr. CH.SAI MOHAN REDDY	PROJECT	Achanta subburao, FARMER	2020	125000
Mrs.A.B.Chandrika	PROJECT	seetarama electronics, RA JHAMEHDRAVARAM	2020	115000

<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Upload latest notification of formation of IQAC</li> </ul>	<a href="#">View File</a>
<b>9.No. of IQAC meetings held during the year</b>	<b>2</b>
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	<b>Yes</b>
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	<a href="#">View File</a>
<b>10.Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>	
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>	

1. Prepared an overall comprehensive development plan of the college .
2.Students have been encouraged to participate in HACKTHON on behalf of Innovation Cell.
3. Institution Innovation Council has been established under MHRD.
4. As an increase in industry institute interaction and motivation of students to participate in CRT programme has resulted in increased placements .
5.The increased participation of Faculty in FDP and in Quality research publications.
<b>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</b>


Plan of Action	Achievements/Outcomes
<p>Designing and implementing Annual plans for quality enhancement. ? Arrange for feedback responses from students, teachers, parents &amp; Alumni on syllabus. ? Development and application of quality benchmarks / parameters for the various academic and administrative activities of the institution. ? Retrieval of information on various quality parameters of higher education and best practices followed by other institution. ? Organization of workshops and seminars on quality - related themes and promotion of quality circles and institution-wide dissemination of the proceedings of such activities. ? Development and application of innovative practices in various programmes / activities leading to quality enhancement. ? Participation in the creation of a learner - centric environment conducive for quality education. ? Work for the development of internalization and institutionalization of quality enhancement policies and practices. ? Act as a nodal unit of the institution for augmenting quality - related activities. Prepare focused Annual Quality Assurance Reports (AQARs).</p>	<p>IQAC is formed with senior academicians. IQAC conducts review meetings every month with every department and assess the progress in academics</p>
<p>Arrange for feedback responses from students, teachers, parents &amp; Alumni on syllabus.</p>	<p>Feedback from all the Stake holders has been taken periodically and analysed and the action has been implemented.</p>

Development and application of quality benchmarks / parameters for the various academic and administrative activities of the institution.	It monitored the teaching abilities of faculty and take measures to improve teaching skills through ICT enabled resources.
Retrieval of information on various quality parameters of higher education and best practices followed by other institution	Collaboration with university & other engineering colleges in teaching and learning practices to improve quality of teaching.
Organization of workshops and seminars on quality - related themes and promotion of quality circles and institution-wide dissemination of the proceedings of such activities.	workshop on IPR and Research methodology has been conducted to enhance the quality of teaching skills among the faculty
Development and application of innovative practices in various programmes / activities leading to quality enhancement.	Faculty orientation programmes are organized in the beginning of every academic year in basic pedagogy.
Participation in the creation of a learner - centric environment conducive for quality education.	Faculty course content development : Faculty are involved in course content development.
Work for the development of internalization and institutionalization of quality enhancement policies and practices.	Implementation of project based learning by faculty in the departments.
Act as a nodal unit of the institution for augmenting quality - related activities.	Faculty self - appraisal done at the end of every academic year.
Prepare focused Annual Quality Assurance Reports (AQARs).	our continuous monitoring in quality related activities among Academic and Non Academic Activities to achieve future goals
<b>13.Whether the AQAR was placed before statutory body?</b>	<b>Yes</b>

- Name of the statutory body

Name	Date of meeting(s)
BARD OF GOVERNANCE	25/12/2021

#### 14. Whether institutional data submitted to AISHE

Year	Date of Submission
2020	30/12/2020

#### 15. Multidisciplinary / interdisciplinary

Multidisciplinary engineering is for students who plan to practice engineering as a career but whose specific career goals cannot be accommodated within one of the traditional engineering fields.

V S M College offers 5 Under Graduate and 2 Post graduate Programmes those we have interdisciplinary and they are met at multidisciplinary approach for research. The program offers considerable flexibility including numerous electives which allow a plan of study to meet student's educational goals. This affords bringing together multiple engineering and non-engineering disciplines at an advanced level to solve societal challenges. Established plans of study in the program include acoustical engineering, engineering management, visual design engineering, theatre engineering, and general engineering, to name a few.

Note: The First-Year Engineering Program is the entry point for all beginning engineering students. They must complete the First-Year Engineering requirements before entering the engineering school of their choice. The mission of this student-oriented service program is to advise, teach and retain outstanding students for VSM College of Engineering. This core curriculum includes courses in math, chemistry, physics, computer programming, and communication skills. The First-Year Engineering Program provides students with a firm foundation and initial understanding of engineering and career options to assist them in identifying which of Purdue's engineering disciplines is the right fit. Our professional academic advisors, faculty and student advisors are dedicated to assisting beginning engineers with the first-year experience.

**16.Academic bank of credits (ABC):**

"Academic Bank of Credits (ABC)" is an academic service mechanism as a digital/virtual/online entity established and managed by MOE/UGC to facilitate students to become its academic account holders and paving the way for seamless student mobility. between or within degree-granting Higher Education Institutions (HEIs) through a formal system of credit recognition, credit accumulation, credit transfers and credit redemption to promote distributed and flexible teaching learning.

our college has registered in NAD academic credits deposited in Academic Bank of Credits in NAD.

"Academic Flexibility" is the provision for innovative and interchangeable curricular structures to enable creative combinations of Courses/Programmes in Disciplines of study leading to Degree/Diploma/PG Diploma/Certificate of Study offering multiple entry and multiple exit facilities in tune with National Education Policy-2020, while removing the rigid curricular boundaries and creating new possibilities of life-long learning .

"Affiliated college" means any higher education institution approved by the affiliating university on the basis of the stipulated norms and guidelines by virtue of which it provides for a course/programme of study for obtaining any qualification from a university.

"Credit redemption" means the process of commuting the accrued 'credits' in the 'Academic Bank Account' of the students maintained in ABC for the purpose of fulfilling the 'credits requirements' for the award of Degrees/Diplomas/Certificates etc., by the degree-awarding.

ABC, as envisaged in the National Educational Policy-2020, shall be a national-level facility to promote flexibility of curriculum framework 4 and interdisciplinary/multidisciplinary academic mobility of students across the Higher Education Institutions in the country with appropriate "credit transfer" mechanism created through these Regulations. It shall be a mechanism to facilitate the students to choose their own learning path to attain a Degree/ Diploma/PG-diploma etc., working on the principle of multiple entry-multiple exit as well as anytime, anywhere, and any level learning.

**17.Skill development:**



VSMCOE offers various Soft Skills and Industrial Skills Programmes for our students .We have introduced Communication training ,campus Recruitment Training Programmes for each and every students for their Skill Development.

Skill Development is the process of identification of the skills gap in youth and providing skilling training & employment benefits to them. Skill development programs aim to acknowledge the ability of the youth and extend their support by serving them with the proper guidance, infrastructure, opportunities, and encouragement that help them achieve their ambitions. Education and skills are essential for everyone, and they both walk hand in hand in everyone's career journey. They are the roots behind the economic growth and community development of a country. Therefore, both central & state governments are continuously making efforts to provide skill development to the youth with their skilling partners around the country.

The benefits of Skill Development include increased business profits, improved performance, improved accuracy & quality, improved communication, complies with rules & regulations, improved recruitment & career opportunities, and development of good customer relations.

## Challenges

- Low intrinsic "aspiration quotient" resulting in low demand for vocational skilling programs.
- Employers cite the shortage of skilled employees as a constraint
- Skill development scenario is still evolving with different agencies handling the same agenda, absence of standards, lack of training capacity.

## VSMCOE Vision & Mission for Skill Development

More than half of India's population is the driving force of the economy, and at VSMCOE, we adhere to providing skill development & enhancement programs for the youth. We impart skills training and provide employment opportunities to the young workforce, especially from disadvantaged backgrounds, and provide workforce solutions to the industry. This skill development program will help you succeed in different national-level programs like Skill India, Digital India, Make in India, etc.

**Vision:** VSMCOE vision is to be the preferred skilling solution provider delivering excellence in skill training through empowered employees and a skilled workforce!

**Mission Statement:**Our Mission is to provide a robust institutional framework at the Centre and States to implement skilling activities in the country. We aim to impart skill training and knowledge sharing that significantly increase our course participants' on-the-job productivity, thereby enhancing their contributions to the Nation's goals. We aim to build a skilled workforce in India to fulfill the gap between demand and supply.

### **18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**

Indian knowledge system is ancient, yet it is with a contemporary significance. It encapsulates all the elements with immediate relevance, such as diversity, openness, scientific-rationale, and logic, to its very core. It is an institutionalized pointer of culture and traditional values of different times and generations. The diversity in the present form is swiftly transferred from the cultural seeds spanning over many ages. The country known as the origin of one of the earliest developed civilizations, such as Indus Valley and Harappan, is no less than an ancient miracle when most of the learning philosophy was based on attaining a higher self through rightful knowledge. It is unfair to call it a promotion of the Indian knowledge system because it is the foundation of Indian Civilization. The knowledge system, which was founded on the recognized disciplines of Nyaya (logic), Vyakarana (language), and Mimansa (hermeneutics), unfortunately, lost its virtue before the modernized western system. This is the right time when we should consider what happened that even after being so developed, the glimpse of ancient Indian knowledge is rarely seen in today's knowledge system. What happened in history that other knowledge systems replaced the Indian knowledge system, and what is the new education policy going to do so that the ancient Indian knowledge system will get a new boost for inclusion? This paper discusses the diversity, significance, and promotion of the Indian Knowledge System with relevance under the broad headings of diversity, continuity, equity, learning systems, language, and vocation from as early as the 5th century CE.

Our College Follows the curriculum designed by JNTUK Kakinada offering Profetional Ethics and Human Values ,Intilectual Property Rights courses to students

### **19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**

VSMCOE is implementing OBE Since last four years and revised our Course Outcomes and Programme Specific Outcomes and map them and trying to get best possible attainment with all this CO's and PO's with continuous Effort. We are organizing Workshops on OBE both offline and Online in regular basis for faculty.

Outcome-based education is a system where all the parts and aspects of education are focused on the outcomes of the course. The students take up courses with a certain goal of developing skills or gaining knowledge and they have to complete the goal by end of the course. There is no specific style or time limit of learning. The student can learn as per their choice. The faculty members, moderators, and instructors guide the students based on the target outcomes.

## Benefits of Outcome-Based Education (OBE) for Students

- Brings clarity among the teachers and students
- Every student has the flexibility and freedom of learning in their ways.
- There is more than one method of learning
- Reduces comparison among the students as everyone has a different target
- Completely involves students taking responsibility for their goals

At present, Outcome Based Education or the OBE System is being widely used by leading institutions across the world. Many of the educators have developed a curiosity to understand the reason behind the ongoing learning transformation. Well, the reason is simple!

Outcome based education is an educational methodology where each aspect of education is organized around a set of goals (outcomes). Students should achieve their goal by the end of the educational process. Throughout the educational experience, all students should be able to achieve their goals. It focuses on measuring student performance through outcomes. The OBE maps & measures students' performance at every step. The OBE model aims to maximize student learning outcomes by developing their knowledge & skills.

The outcome based education system also referred to as standard based education, has proven to be a success in helping institutions measure their learning outcomes and at the same time enabling students to develop new skills that prepare them to stand out with

their global counterparts.

These factors can contribute to raising the education standard and aid institutions to acquire accreditation from esteemed accreditation bodies such as the (National Board of Accreditation) NBA Accreditation by improving continuously in the long run.

On the contrary, when we speak of the traditional education system, it is highly dependent on theoretical aspects of learning. It repeats the humdrum way of teaching-learning process that just focuses on memorizing skills of students rather than skill development.

#### **20.Distance education/online education:**

As VSMCOE is Affiliated Under JNTU Kakinada we are running the courses in regular classroom mode and we are not offering Distance Education

online Education

We have the facility Online Self learning for students through Moocs and NPTEL and online classes are conducted through Online during the Pandamic Situation and Uploaded the recorded class videos nearly 250 in the College Youtube Channel and Nearly 6 Webinars are conducted during Padamic Situation for geting our students to aware about the trending technologies and there importance.

### **Extended Profile**

#### **1.Programme**

1.1 7

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

File Description	Documents
Data Template	<a href="#">View File</a>

#### **2.Student**

2.1 884

Number of students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

2.2

96

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

File Description	Documents
Data Template	<a href="#">View File</a>

2.3

228

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

### 3.Academic

3.1

138

Number of full time teachers during the year

File Description	Documents
Data Template	<a href="#">View File</a>

3.2

138

Number of Sanctioned posts during the year

## Extended Profile

<b>1.Programme</b>	
1.1	<b>7</b>
Number of courses offered by the institution across all programs during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>2.Student</b>	
2.1	<b>884</b>
Number of students during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
2.2	<b>96</b>
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
2.3	<b>228</b>
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1	<b>138</b>
Number of full time teachers during the year	
File Description	Documents
Data Template	<a href="#">View File</a>

3.2	138
Number of Sanctioned posts during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

<b>4.Institution</b>	
4.1	39
Total number of Classrooms and Seminar halls	
4.2	178.68
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	520
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

#### Academic Planning & Curriculum delivery

VSM College of Engineering has a Curriculum Committee consisting of Chairperson and Program coordinators. Identification of learning gaps, industry expectations, emerging skills, knowledge enhancement, faculty training and designing of new courses in this backdrop, planning and conduct of programs for curriculum enhancement are undertaken by this committee.

- Academic calendar is prepared to fulfill the objectives of the curriculum delivery. VSM CoE is affiliated to Jawaharlal Nehru Technological University, Kakinada, A.P., and follows the curriculum prescribed by the University. The Institution Academic Calendar is finalized in alignment with the University calendar.
- Annual Calendar of events is prepared which consists of plan for Internships, Field tours and projects. Lectures are

scheduled for connecting the requirements of industry and academics.

- Before the start of every academic session, Principal conducts meeting with Vice- Principal, Academic Dean, Heads of all the Departments, and finalize Academic Policy which covers following points:

for complete details:<https://www.vsm.edu.in/engineering/pdfs/AQAR/1/VSM-QLM-1.1.1.pdf>

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AQAR/1/VSM-QLM-1.1.1.pdf">https://www.vsm.edu.in/engineering/pdfs/AQAR/1/VSM-QLM-1.1.1.pdf</a>

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

The JNT University publishes an academic calendar for the programs well before the commencement of each semester. The University calendar portray important timelines like the beginning of the semester, last working day, scheduled for summer project/professional training, schedule of practical and theory examinations, and date of commencement of next semester.

The Institute prepares the academic calendar taking into consideration the guidelines issued by University which include all activities like the conduct of Continuous Internal Evaluation (CIE), Placements and Value added courses. Separate Institute academic calendar and department event cum academic calendar are prepared strictly complying with the university academic calendar accommodating all planned activities. While the institute calendar includes details like a total number of working days & holidays, CIE dates, institutes flagship programs, etc., the department calendar comprises about guest lectures, conferences, workshops, industrial visits, and other co-curricular & extra-curricular activities planned by respective departments.

for complete qlm visit:

<https://www.vsm.edu.in/engineering/met1.1.2.php>



File Description	Documents
Upload relevant supporting documents	<a href="#">View File</a>
Link for Additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AQAR/1/VSM-QLM-1.1.2.pdf">https://www.vsm.edu.in/engineering/pdfs/AQAR/1/VSM-QLM-1.1.2.pdf</a>

**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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## **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**

**7**

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

**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)**

17

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

4998

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

4098

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

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

**Gender Sensitization:** In a move to create increased awareness among students towards gender issues, workshop/seminar on gender sensitization are organized for students of engineering and is effectively implemented by the college. The very aim of gender sensitization program is to bring definite orientation in the thinking, practices and approach of individuals concerning gender. The workshop/seminar will deal with issues pertaining to the relationship between men and women, caste, declining sex ratio, struggles with discrimination, sexual harassment, new forums for justice, and eve-teasing. Through accounts of studies and movements, the course also hopes to expose students to new laws on gender issues. Women empowerment cell is formed to look after the

welfare of all girl students and women faculty. Internal compliances committee stays alert all the time to prevent any sexual abuse words to students and female employees. The programs conducted are Women Entrepreneurship Development, Guest Lecture on Breast and cervical cancer awareness. Gender equity is attained by conducting programs like seminars, debates, group discussions for both boys and girls on a single platform. 2. Environment and Sustainability

for complete

details:<https://www.vsm.edu.in/engineering/pdfs/C-1/1.3.1.pdf>

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	<a href="#">View File</a>

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

2

File Description	Documents
Any additional information	<a href="#">View File</a>
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	<a href="#">View File</a>
Number of courses that include experiential learning through project work/field work/internship (Data Template)	<a href="#">View File</a>

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

642

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

#### 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	<a href="#">View File</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View File</a>
Any additional information(Upload)	<a href="#">View File</a>

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

**B. Feedback collected, analyzed and action has been taken**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/1/20-21URL%20Feedback.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/1/20-21URL%20Feedback.pdf</a>

#### 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

516

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**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**

96

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 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

### Response:

VSM College of Engineering provides inclusive and need based education for all students including students coming from vernacular languages, slow learners, advanced learners, and socially, economically backward sectors. The institution follows a well designed academic plan to assess the students, implement desired learning objectives and guide them to improve their academic performance.

An admission Committee is formed for all UG/PG Programs at the commencement of the academic year, the information relevant to the programme such as introduction to the programme and discipline; faculty details including qualification, specialization and expertise; duration of the programme; attendance requirements; examination pattern and the rules and regulations of JNT University, Kakinada and Government norms will be provided to both the students as well as parents.

Identifying learners abilities: On the basis of results students

are categorized into two batches: those who score above 50% are shortlisted as academically advanced learners and those who get below 50% in Mid1 exams, as academically slow learners. Subject experts and class in-charges through classroom interaction and counselling classes, identifies the strengths and weakness of individual students.

for complete

details:<https://www.vsm.edu.in/engineering/pdfs/C-2/2.2.1/2.2.1.pdf>

File Description	Documents
Link for additional Information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/2/adv%206%20depts.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/2/adv%206%20depts.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
884	138

File Description	Documents
Any additional information	<a href="#">View File</a>

### 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

#### Response:

The faculty of VSM College of Engineering are well trained to adopt student-centric approach in their class rooms. It is a regular practice of IQAC to organize orientation and skill training programmes every year/semester for the faculty before the commencement of the semester to enhance their pedagogy of teaching. Vibrant learner-centric teaching-learning process is used in the delivery of curriculum for the all-round development of students. Learning by Doing, Think- Pair-Share, Course Based Projects, Field visit / Guest lecture, Certificate courses, Project Based Learning are a few to mention.

As per the guidelines of AICTE, we are oriented on the Revised Blooms Taxonomy structure that focuses on outcome based education. It is an institutional practice to prepare the Programme outcomes, Programme specific outcomes and course outcomes, lesson plans and instructional strategies on a common format (Objective Oriented Learning Process) and submit them to the Academic Dean's office after due scrutiny in the respective departments by the subject expert and HOD. Teachers design lesson plans and methodology in order to achieve specific learning outcomes. Some of the strategies used in the class are:

for complete details:

<https://www.vsm.edu.in/engineering/pdfs/C-2/2.3.1/2.3.1.pdf>

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/2/2.3.1_scm.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/2/2.3.1_scm.pdf</a>

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

**Response:**

ICT is one of the most critical tool in enhancing the quality of education as it provides better learning outcomes and based on specific needs of learners, it can be made adaptive. Faculty can leverage ICT for effectively imparting desired skills amongst students. Teachers use ICT to address the issues related to advance learner and slow learner by creating interactive multimedia based instructional material. The benefits of e-learning include anytime learning, anywhere learning and asynchronous interaction.

The following are few ICT initiatives undertaken in recent past:

Institute has adequate ICT enabled tools and facilities for effective teaching-learning process. Classrooms have LCD projectors with computer systems, speaker and Wi-Fi, enabling teacher to use multimedia for graphical/animated/video based learning. The seminar hall is equipped with projectors audio and Wi-Fi facility. All departments are provided with internet connection through LAN. The Institute has state of the art smart

classroom with smart board, lighting control, surround sound system, video conferencing and recording facilities.

for complete

details:<https://www.vsm.edu.in/engineering/pdfs/C-2/2.3.2/2.3.2.pdf>

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/2/ict.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/2/ict.pdf</a>

### 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

74

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
mentor/mentee ratio	<a href="#">View File</a>

### 2.4 - Teacher Profile and Quality

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

138



File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

#### 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

10

File Description	Documents
Any additional information	<a href="#">View File</a>
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)	<a href="#">View File</a>

#### 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

553

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 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.

**Response:**

The institute follows the norms, rules, and procedures laid out by the university. Two theory mid semester exams, two assignment tests and a mid-practical exam are conducted for each paper of the subject in each semester for B. Tech & M. Tech Programs. Seminars, group discussions, show and tell and quizzes etc. activities are also conducted. The institution has developed an effective mechanism for efficient and transparent internal evaluation through Examination Committee. The schedules of internal/mid-semester/end-semester examinations, submission of assignments, tutorials and conduct of practical's are communicated to students and faculty at the beginning of the semester through the institute academic calendar. Time Table & Circular for all IA will be circulated to all classrooms & displayed on the department notice board. The syllabus for internal assessment will be communicated to students well in advance.

The internal assessment evaluation process is communicated to students by the respective faculty

and also during an orientation program for first-year students. IQAC monitors academic calendar and its effective implementation as well. Internal squad has been formed for vigilance during the examination.

for complete

details:<https://www.vsm.edu.in/engineering/pdfs/C-2/2.5.1/2.5.1.pdf>

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/2/Examination%20Policy.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/2/Examination%20Policy.pdf</a>

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

**Response:**

The institute has well developed mechanism to deal with examination related grievances in a transparent, time- bound and efficient manner. The Institute follows all the guidelines of JNT University. Grievances of students are resolved within a specified

time limit. The grievance redressal procedure related to examination are as follows:

Before the commencement, grievances related to non-issuance of examination hall ticket, correction in name etc. are addressed to Principal. He takes the necessary action with examination department for verification and compliance. Examination department after verification carries out the necessary corrections and orders are issued accordingly.

Flying squad of the institute functions to monitor the conduct of examination as well as to take disciplinary action in case of unfair means. During the examination, in case the student is found using unfair practice by the invigilator, he takes action as per the defined examination policy. Some of the policy guidelines are: Student's written statement in the presence of the supervisor and invigilator is taken. The mater is then submitted to the Examination Committee.

for complete details:

<https://www.vsm.edu.in/engineering/pdfs/C-2/2.5.2/2.5.2.pdf>

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/2/2.5.2%20grivience.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/2/2.5.2%20grivience.pdf</a>

## 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.

### Response:

VSM College of Engineering is affiliated to J.N.T. University, Kakinada and hence the syllabus/curriculum prescribed by the university is followed. JNTU curriculum contains the core and elective courses. The curriculum is formulated and reviewed by the Board of Studies (BOS) of the University.

VSM COE follows Outcome-based education through which desired outcomes are achieved in terms of knowledge, skills, attitudes and behavior at the end of a program. Teaching with this consciousness and following the associated effort constitutes outcome-based

education. Program Outcomes (POs) are statements that describe what students are able to do after graduating from the respective program. These relate to the skills, knowledge, analytical ability, attitude, and behavior that students acquire through the program. National Board for Accreditation (NBA) defined 12 POs for Engineering graduates focused on following Graduate attributes:

- Engineering Knowledge
- Problem Analysis
- Design/Development of Solutions
- Conduct Investigations of Complex Problems
- Modern Tool Usage
- The Engineer and Society
- Environment and Sustainability

for complete details:

<https://www.vsm.edu.in/engineering/pdfs/C-2/2.6.1/2.6.1.pdf>

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://www.vsm.edu.in/engineering/eeeugpeospos.php">https://www.vsm.edu.in/engineering/eeeugpeospos.php</a>
Upload COs for all courses (exemplars from Glossary)	<a href="#">View File</a>

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

**Response:**

The assessment methods and processes used for the attainment measure of each of the Program Outcomes and Program Specific Outcomes are as follows

**Assessment of COs / POs**

- For each course, the course instructor will identify 5-6 course outcomes (CO) & these COs are mapped with relevant Program Outcome (PO) as high, medium & low.
- The consolidated matrix of CO-PO mapping is done for each program & the same for the CO-PSO mapping.
- CO attainment for each course is calculated by considering the marks scored by the student in internal & external examination.

- The Program Outcomes and the Program Specific Outcomes are assessed with the support of course outcomes of the relevant courses through direct and indirect methods.
- Direct methods are provided by Internal and External examinations against course outcomes.
- Average attainment of the direct method will be evaluated based on University Examination, Internal assessment, and Assignment
- Indirect assessment strategies are implemented by embedding them in the Student Exit Survey, Employer Survey, and Alumni Survey.

for complete details:

<https://www.vsm.edu.in/engineering/pdfs/C-2/2.6.2/2.6.2.pdf>

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/2/COPO%20F.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/2/COPO%20F.pdf</a>

### 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

228

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/2/2.6.3-1.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/2/2.6.3-1.pdf</a>

### 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://www.vsm.edu.in/engineering/sss.php>

## 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)

13.24

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

#### 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

5

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	<a href="https://www.yelu.in/company/728573/sri-satya-sai-agencies">https://www.yelu.in/company/728573/sri-satya-sai-agencies</a>

#### 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**

29

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

**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**

71

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

**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**

71

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

**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

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

**Response:**

For the holistic development of students, various extension activities are undertaken in the institute. Many of these extension activities are carried out in the neighborhood community so as to sensitize students about current social issues. It is expected from Engineering students to offer technological solutions to hard pressing societal issues by undertaking socially relevant project works, research studies, etc. Students should be able to understand and respond to the needs of the local community and institutes should extend all possible support. Role of the Institution in extension activities is to sensitize students to social issues through various activities, to be responsible for well-being of the neighborhood society, to collaborate with other social organizations to make the services more effective and to ensure the holistic development of the community.

Extension activities conducted for community: The following are links related to extension activities  
[//www.vsm.edu.in/engineering/nsandnc.php](http://www.vsm.edu.in/engineering/nsandnc.php)

Various student chapters under various professional bodies were formed for the students at departmental levels. Students actively participate organise various events through these chapters as per the departmental needs requirements for overall development of students.

File Description	Documents
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/nsandnc.php">https://www.vsm.edu.in/engineering/nsandnc.php</a>
Upload any additional information	<a href="#">View File</a>

**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**

2

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of awards for extension activities in last 5 year(Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

**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**

6

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	<a href="#">View File</a>

**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**

5618

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 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

342

File Description	Documents
e-copies of linkage related Document	<a href="#">View File</a>
Details of linkages with institutions/industries for internship (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 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

7

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

## 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 institute is located in a lush green campus with a serene atmosphere, with a total extent of 7.5 Acres of land. Management interacts frequently with various stake holders about the changing trends and requirements for creation and enhancement of the infrastructure facilities. Infrastructure is optimally utilized by assessing requirements and availability periodically through reviews. To ensure its optimal utilization, besides conducting regular classes, the classrooms are used for conducting remedial coaching, certificate courses, annual and semester examinations; departmental meetings, prayer meetings, mentoring sessions, association activities, indoor competitions, Parent-Teacher meet, alumni meet, Technical Exhibition , training programme for the school children and competitive examination center. Twenty Three class rooms are available on campus with PC, LCD projectors, internet connectivity and audio-visual facilities. Each class room is provided with sufficient number of ergonomically designed furniture for the convenience and comfort of students. Other facilities such as podium, white boards, black boards and stationery such as marker pens, chalks are available in the class rooms to make the teaching and learning process more effective. As per the policy matter, the institution has developed good infrastructure like well Equipped Laboratories, Library, and separate Hostel facility for Boys & Girls students on the campus, Canteen, Transport Facility, Auditorium and Playgrounds Bandwidth is enhanced to 60 Mbps to encourage e-Learning and self learning NPTEL Local Chapter is available for the students/faculty to get training and certification of different courses. Department (s) have initiated and formed the clubs to carry out Co-Curricular activities and social activities

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/4/4.1.1.pdf.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/4/4.1.1.pdf.pdf</a>

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

The institution utilizes a lot of its resources to provide an environment to its students where they are encouraged to indulge

in sports and extra-curricular activities. This ensures a holistic development and an all-rounded personality. Students are trained in sports under the guidance of qualified and specialized coaches. Every week, one hour is allotted for the sports in the time table thus enabling the students to pursue sports. The students utilize these hours constructively to develop their physical skills as well as explore their interests to find their passion. Regular training is provided to those students who show extraordinary skills in different sports. These students are selected through selection trials. They are trained and encouraged to participate in various level of competition including intra college events, interuniversity events. Intra-college events are also organized by the college in every semester to encourage students to participate. Track suits and all sporting gear are provided to the students for major events. All the Participants are awarded with participation certificates. Winner and runners-up teams are duly rewarded with medals and certificates. for comple qlm visit: <https://www.vsm.edu.in/engineering/pdfs/AQAR/4/4.1.2.pdf.pdf>

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AQAR/4/4.1.2.pdf.pdf">https://www.vsm.edu.in/engineering/pdfs/AQAR/4/4.1.2.pdf.pdf</a>

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

42

##### 4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

42

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/infraclassrooms.php">https://www.vsm.edu.in/engineering/infraclassrooms.php</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

**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)**

85.33

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

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

Our Library is automated using SOUL SOFTWARE (2.0) to automate library. 1.General Search: Title, Author, Publication, Keywords, Classification no. 2.Advance Search: The searching can be done with various combinations like Title, Author,Publication Keywords, and Classification no.3.Accession Search: Search can also be done through the accession numbers without remembering the title or author of the book. The library of the college is situated to be easily accessible by all the students and staff. Our library equipped with modern technology and upgrades along with emerging new technologies. All the departments of the college have a separate department libraries having access to the students/staff. The information regarding new arrivals is publicized on the notice board.This facilitates fast & accurate searching. Database like DELNET is actively used in library which is a network of 1000 institutions and access is being given to more than 60 lakh records through online systems. DELNET has been actively engaged with the compilation of various union catalogues of the resources available in member libraries. It has already created the union catalogue of books, union list of current periodicals, CD ROM database. DELNET provides an array of facilities including email to its member libraries including both institutional and associate institutional members. Library also has recorded videos of NPTEL course contents which will be useful for teacher training and through them improve the quality of students. For this purpose 10 systems are provided WITH 60 bandwidth.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="https://www.vsm.edu.in/engineering/met4.2.1.php">https://www.vsm.edu.in/engineering/met4.2.1.php</a>
<b>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</b>	<b>A. Any 4 or more of the above</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>
<b>4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)</b>	
<b>4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)</b>	
<b>3.102</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>
<b>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)</b>	
<b>4.2.4.1 - Number of teachers and students using library per day over last one year</b>	
<b>290</b>	

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of library usage by teachers and students	<a href="#">View File</a>

### 4.3 - IT Infrastructure

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

College aims at providing the facilities to students so that they can utilize these resources to reach greater heights. To enable this, the institution frequently updates its IT facilities to provide its students with the best of facilities. 28 Classrooms have been equipped with LCD projectors and most of them are supported by audio systems. The entire campus is monitored by CCTV facility. The college is facilitated with 520 computers that are accessible to the students as well as the teachers for academic and co curricular purposes. Printers are arranged in the office, staffrooms, library, exam branch and laboratories. A total of 23 printers are arranged in the whole college for the functioning. Wi-Fi is available. Open Wi-Fi is available in the college. Students are given limited accessibility to this facility. There twenty are systems in library for browsing purpose. This allows for easy tracking of books in the library. Information about upcoming events is available on the website. This information includes the time and date along with details about the event.

for comple qlm visit:

<https://www.vsm.edu.in/engineering/pdfs/AQAR/4/4.3.1%20QLM.pdf>

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AQAR/4/4.3.1%20QLM.pdf">https://www.vsm.edu.in/engineering/pdfs/AQAR/4/4.3.1%20QLM.pdf</a>

#### 4.3.2 - Number of Computers

520

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Student – computer ratio	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	<a href="#">View File</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

#### 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)

28.51326

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Audited statements of accounts.	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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.

**LABORATORY :** The laboratories are furnished according to the statutory norms. Regular cleaning and calibrations of the machines is done by the support team in the presence of lab technicians and is recorded in a check list. Before the commencement of the academic year, a lab audit is conducted and a report on the requirement of new equipment, replacement of the old equipment and modernization of machines/software is prepared along with



requirement of consumables, nonconsumables as per the university guidelines to conduct experiments. Regular inspection of machines is organized. In case of breakdown of equipment, the same is recorded in the breakdown register duly attested by the HOD. Preventive maintenance and breakdown maintenance procedure is followed so as to ensure maximum availability of the systems in the lab. Installation of antivirus and firewall ensure that the software and system is secured. A daily status check on the hardware and software condition of the machines is undertaken. Breakdown maintenance wherein the system fails due to SMPS problem or boot failure is recorded in a register. If the problem is minor, the technical support staff of the lab will rectify it.

for comple qlm visit:

<https://www.vsm.edu.in/engineering/pdfs/AQAR/4/4.4.2%20QLM.pdf>

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AQAR/4/4.4.2%20QLM.pdf">https://www.vsm.edu.in/engineering/pdfs/AQAR/4/4.4.2%20QLM.pdf</a>

## 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

693

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

<b>5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year</b>	
<b>5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year</b>	
672	
File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefitted by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>
<b>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</b>	<b>A. All of the above</b>
File Description	Documents
Link to institutional website	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/5/ssd-1%2020-21%20supporting%20doc..pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/5/ssd-1%2020-21%20supporting%20doc..pdf</a>
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>
<b>5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
415	
<b>5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
190	

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**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	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## 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

**88**

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

<b>5.2.2 - Number of students progressing to higher education during the year</b>	
<b>5.2.2.1 - Number of outgoing student progression to higher education</b>	
20	
File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of student progression to higher education	<a href="#">View File</a>
<b>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)</b>	
<b>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</b>	
10	
File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>5.3 - Student Participation and Activities</b>	
<b>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</b>	
<b>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.</b>	
2	

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

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 )

A student council is a representative structure that co-ordinates students to the curricular and extracurricular activities of the institution.

#### Student representation

Students are involved in the committees of seminars, conferences, workshops etc. The members of the student's council are selected from all the departments. The student council collects student feedback about academic and administrative process of the college. The council also plans co-curricular and sports activities. The institution nurtures students self governance capabilities giving equal opportunity in running the day to day affairs of the college. Representative of the class puts forth the problems and other grievances on behalf of the students of the class.

Alumni coordination cell will discuss the career opportunities in the real world competition and strengthen the institution alumni activities Respectively

Entrepreneurship development cell will make necessary arrangement's to teach the startup culture amongst students to be self reliant. The institution also have National Service Scheme Unit this programme aims to teach social welfare to students and provide service to society.

The committees focus on improving students harmony by conducting awareness programs strengthening the institutes academic facilities and procuring the required resources. It will also discuss the career opportunities in the real world competition. It

will also focus on students educational programs. It nurtures the students towards their career improvement , personal development, and well being. Academic committee, Anti ragging committee, cultural committee, magazine committee, library committee, IQAC , purchase committee, web site committee , Hostel committee are functioning the institution.

File Description	Documents
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/5/5.3.2%20(1).pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/5/5.3.2%20(1).pdf</a>
Upload any additional information	<a href="#">View File</a>

### 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

3087

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
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)	<a href="#">View File</a>

### 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

VSM COLLEGE OF ENGINEERING, Ramachandrapuram was established in 2009.The first batch was passed out in 2013.

A registered ALUMNI ASSOCIATION of VSM COLLEGE OF ENGINEERING was incorporated in 2015.

Giving back to an alumni association is a great way to keep the

legacy going and ensure that future generations of students have the opportunity to pursue quality higher education. The students formed the Association with motto to maintain their warm bond with their Campus. In 2019 the College decided to initiate the formal registration process of ALUMNI ASSOCIATION.

**THE MAIN OBJECTIVES OF ALUMNI ACTIVITY COMMITTEE:**

- To provide a form to establish an association between the alumni, staff and students of the
- To mentor the students of the Institution for higher education, development of character and
- being good citizens.
- To institute encourages with prizes and scholarships and render financial aid to needy and
- deserving students of the institute. To encourage and promote close relations between the Institution and
- its alumni and among the alumni themselves.
- To promote and encourage friendly relations between all members of the alumni body, an interest in the
- affairs and well-being of the Institution.

for complete qlm visit: [https://www.vsm.edu.in/engineering/pdfs/AQAR/5/5.4.1%20\(1\).pdf](https://www.vsm.edu.in/engineering/pdfs/AQAR/5/5.4.1%20(1).pdf)

File Description	Documents
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AQAR/5/5.4.1%2020-21%20Alumni%20file.pdf">https://www.vsm.edu.in/engineering/pdfs/AQAR/5/5.4.1%2020-21%20Alumni%20file.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

D. 1 Lakhs - 3Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

**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 vision of the Institution permeates and is manifested in the actions, beliefs, values and the goals of this institution. Such kind of visionary Strategies Brings benefit for either side of the cases like Students and its faculty of the organisation. the work place To attain good governance of the college, the Governing Body Use to take the inputs from different institutional committees, In order to implement all institutional functions different statutory and non-statutory bodies with designated roles and responsibilities have been assigned for good and better governance which also brings transparency. The college delegate authority Collectively Sketch out Opinions from the advisory committees and provide operational autonomy to the Departments and in the name of various committees of the institution. The recommendations of the committees including IQAC are evaluated and implemented. However, the institution promotes the culture of participative management at the levels of management, Principal, HOD's faculty non-teaching staff and students. The faculty is actively involved in planning and implementing the academic and non-academic calendar for effective teaching learning Process where the class room interactions are certainly done by the pupil centric methods. Alumni and parent - teacher meetings are to elucidate the information on the development of the institution, students are allowed to share their view as class representative and other events coordinators staff meetings are conducted with the management to collect views for developing institution and its activities. So as to reflect the vision and mission of the college.

File Description	Documents
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/6/VSMHRPolicy.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/6/VSMHRPolicy.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

The college involves all the stakeholders in decision making process for framing guidelines and rules & regulations to ensure smooth and systematic functioning of the institute. The institution has decentralized and transparent mechanism in management, administration, financial and academic affairs. This mechanism is delegating appropriate responsibilities from the top level management to low level and allows the top management to



focus on policy making and major decisions. The Governing body is the highest decision-making body which formulates/ amends rules and regulations, delegates powers and responsibilities to various Committees, Principal, Heads of the Departments (HoDs), and Heads of the Sections. The constitution of statutory committees like Governing body, College Academic Committee, Finance Committee are systematically carried out with specified functions and responsibilities as per the requirements to the regulatory/statutory bodies. These committees play a major role in policy making of governance, academics, finance, research and teaching learning. The decentralized mechanism exists even at the department levels. Every department has Program coordinators at UG and PG level to look after the activities of each program. Decisions at department levels are taken by well-structured committees like Department Academic committee, Program Assessment committee, Departmental Advisory Committee, Department Development Committee, Class Review Committee.

File Description	Documents
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AQAR/6/20-21,%206.1.2%20UPLOAD%20ANY%20ADDITIONAL%20INFORMATION.pdf">https://www.vsm.edu.in/engineering/pdfs/AQAR/6/20-21,%206.1.2%20UPLOAD%20ANY%20ADDITIONAL%20INFORMATION.pdf</a>
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The Strategic Plan seeks to leverage the strengths of VSM College of Engineering to build upon them and acquire new potentials. In particular, the Strategic Plan proposes to nurture the faculty working on transformational technologies having potential to address the societal challenges - specifically in areas such as water, energy, healthcare, education and waste management etc. The detailed strategic plan and its complete elements are hosted on Institution website. The plan is developed with the aim of achieving excellence through optimum utilization of resources. The management has identified seven thrust areas to set a strategic directionality (both short and long term) for the institution in the following areas: Curricular Aspects

Teaching-Learning and Evaluation

Research, Innovations and Extension

## Infrastructure and Learning Resources

### Student Support and Progression

### Governance, Leadership and Management

### Institutional Values and Best Practices

To facilitate better planning and implementation, IQAC is formed and empowered through senior administrators and teachers. The IQAC meets periodically to discuss and propose plans/measures for strengthening the above mentioned aspects. The conclusions arrived at IQAC meeting is taken into quality policy where each proposed measure is approved and developed into an action plan for implementation and the same is monitored through regular reviews of compliance to strategic plan.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21%20,%206.2.1%20additional%20information.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21%20,%206.2.1%20additional%20information.pdf</a>
Upload any additional information	<a href="#">View File</a>

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 Governing Body of VSM College of Engineering is the statutory decision making body of the college carrying out functions and responsibilities in pursuit of institutional vision, mission and core values. It is constituted as per the norms of AICTE, New Delhi, Affiliating University (JNTUK) & Govt. of A.P, wherein the members of the board of management have adequate representation. The GB meets twice a year to deliberate on the activities and approves the minutes of the committees which report to the GB. In this way, strategic plan, minutes of the academic committee, fixing the fee structure, budget proposals of the finance committee and new initiatives for the future regarding the intake changes of any program are presented to GB for approval. It has a robust framework for governance with the support of 48 statutory and non-statutory functional committees.

File Description	Documents
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21,%206.2.2%20Functions%20of%20the%20institution.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21,%206.2.2%20Functions%20of%20the%20institution.pdf</a>
Link to Organogram of the Institution webpage	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21,%206.2.2%20Organogram%20link.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21,%206.2.2%20Organogram%20link.pdf</a>
Upload any additional information	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

The Institution provides effective welfare measures to both teaching and non-teaching staff. All statutory welfare measures are implemented. Various welfare measures towards personal and professional growth are being followed to the satisfaction of the employees. As per the norms of AICTE, 6th Pay commission recommendations are implemented. The benefits under CAS are being extended as per AICTE norms. Employees are covered under EPF and Gratuity to all eligible members (as per PF Rules). Study, Maternity and Medical leaves are sanctioned for the needy staff. Sanction of SCL, OD for Conferences, Workshops, FDPs, STTPs, and other university-related work. Festival & Medical Advance extended to all employees. Advances/ loans are provided for vehicle and

laptops to both teaching and non-teaching faculty. One month salary as loan in advance is given without interest and the same will be recovered in 10 EMIs. Financial assistance to attend Conferences, Workshops, FDPs, STTPs. Registration fees, dearness allowance, travel grants for faculty attending conferences and workshops are provided. Cash incentives provided for best research work. Faculty can avail 8 books from the library for a period of one semester.

File Description	Documents
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21,6.3.1%20additional%20information.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21,6.3.1%20additional%20information.pdf</a>
Upload any additional information	<a href="#">View File</a>

### **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**

145

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### **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**

12

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

**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**

30

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

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

The Institution has a formal annual performance appraisal for both teaching and non-teaching staff conducted every year. Self-Appraisal is collected once in an academic year. At the beginning of the academic year the faculty appraisal format is shared by the

HOD to all the teaching and non-teaching staff of the department so that faculty members are well aware of the appraisal measurement criteria. The faculty is required to submit the filled in pro forma of self-appraisal which is based on "Performance Based Appraisal System" as per UGC regulations. Student feedback is collected and assessed once in a semester. Every faculty self-appraisal is evaluated by HODs based on the above criteria and the same is forwarded to the Principal. The consolidated API scores are analysed, reviewed and appropriate actions are taken accordingly. This system helps the staff in setting up new goals and self-assesses their strengths and weaknesses. Based on the Annual appraisal the teaching and non-teaching staff are given increments and this is one of the parameters in giving promotions in their respective cadre. On an average 95% of the staff are given increments in the last 5 years and 10% are promoted in their respective cadre.

File Description	Documents
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21%20,6.3.5%20additional%20information.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21%20,6.3.5%20additional%20information.pdf</a>
Upload any additional information	<a href="#">View File</a>

#### 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

Financial planning is exercised well in advance for efficient budgeting and review is done on periodic intervals through Accounts committee under the supervision of principal, Vice Principal, management representative, HOD and account personnel involving the various academic departments and administrative sections of the institute. The institution prepares the budget after taking into account of the sources of earnings and expenditure. It mainly allocates fund for the salary of its faculty and staff. Infrastructure development, faculty development, research, library, canteen, hostels are the other recurring expenditures. The institution monitors the earnings by the admissions of the students and revenue collection in the form of deposits (loans from banks), income derived on deposits and other assets. Salary component, infrastructural requirement based on increased intake and new courses, the equipment in

laboratories, furniture, books, journals and sundry expenses are considered as expenditure. This study is carried out in association with the management, chartered accountant, HODs based on previous year expenditure

File Description	Documents
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21,6.4.1%20additional%20informaton.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21,6.4.1%20additional%20informaton.pdf</a>
Upload any additional information	<a href="#">View File</a>

#### 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)

6

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

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

VSM College of Engineering is a self-financing Institution. The major source of revenue for the college is the annual fee collected from students. The fee is collected as per the fee & guidelines fixed by the State fee regulatory authority. The fee is converted into fixed deposits and withdrawn periodically as per the requirements of the institute. The interest earned on these fixed deposits is being utilized for the needs of the institution. In addition, funds are also mobilized through consultancy and through external funded research projects from AICTE, UGC, DST, FIST, DRDO, Industry sponsored projects by the faculty and philanthropic/ alumni contribution. Faculty will purchase the equipment, meets expenditure for travel and stipend for research associates from the research project funds. The other minor

sources are: fee collections for the other services rendered to the students, like bus fee, collections for workshops and skill enhancement activities. The financial planning is prepared well in advance for the organization with efficient budgeting that involves the academic and administrative sections of the institute

File Description	Documents
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21%206.4.3%20additional%20information.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21%206.4.3%20additional%20information.pdf</a>
Upload any additional information	<a href="#">View File</a>

## 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

As per the guidelines of NAAC, an Internal Quality Assurance Cell [IQAC] has been established as a post accreditation quality sustenance and enhancement measure. IQAC is driven by a competent team comprising Principal, Professors, Alumni, Industry Experts, and also students. Chairman, IQAC is part of all major committees and other bodies and extends support to all the academic activities and recommends student centric core procedures. IQAC at VSM has significantly contributed to meet the standards of Institution in the form of formulating and implementing a predefined process or all the activities and made efforts for institutionalizing the quality assurance strategies and processes. The quality parameters for various aspects of the institution are:

Admission Quality, Student Profile Placement Quality, Admissions for Higher Studies Result Analysis, Feedback Analysis  
Participation of student in Guest Lectures/Seminars/Workshops Day to day attendance monitoring Success of Passed out students, Success in competitive exam Awards and recognition received by students Alumni Profile/Distinguished Alumni Faculty Quality, Quality of Research publications Consultancy, Research Projects Workshops /seminars /Conferences organized/ participated Patents Applied / Awarded Books published/Reviewed/Edited Awards and recognition to faculty No of Collaborations Class room, Seminar Halls, Auditorium, Hostel Quality Number of ICT Programs.



File Description	Documents
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21,6.5.1%20additional%20informationIQAC.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21,6.5.1%20additional%20informationIQAC.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

The institution reviews its teaching learning process, structures & methodologies of operations through Academic Departments. The IQAC is responsible for developing, coordinating and monitoring academic assessment activities to effect improvement in student learning. All the heads of the departments, deans and nominated teachers are members of the Institute Academic Committee and is chaired by the head, IQAC. The Institute Academic Committee meets every month as a scheduled activity and monitors all the activities. The Internal Quality Assurance Cell Supports the activity by involving various departments of the institute, and audits the departments as a calendar activity every semester. IQAC also conducts an External Audit for the Academic as well administrative aspects. The institute prompts the departments to implement the recommendations of the Audit Committee. The IQAC also supports in anchoring the academic review activities such as: The Academic Plan is prepared well in advance before the commencement of class work for the Courses. Feedback is collected twice in a semester. It is communicated to Faculty and Heads of the Departments and necessary measures are taken. Ongoing course review is done by involving students and faculty through class Review Committee Meetings Attendance registers are maintained with day-to-day outcome mapping and the delivery mechanism. Every Faculty maintains Course files for the subjects

File Description	Documents
Paste link for additional information	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21,6.5.2additional%20information%2002.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21,6.5.2additional%20information%2002.pdf</a>
Upload any additional information	<a href="#">View File</a>

<p><b>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) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)</b></p>	<p><b>B. Any 3 of the above</b></p>
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File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21,%206.5.3%20additional%20information.pdf">https://www.vsm.edu.in/engineering/pdfs/AOAR/6/20-21,%206.5.3%20additional%20information.pdf</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## 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

#### Response:

VSM College of Engineering nurtures students to be technically competent and ensures students are aware of social and civil responsibilities. The institute is perceptive to gender issues and with regard to sexual harassment, it has zero-tolerance. Women's safety and security is one of the priority areas for the institute.

**Gender equity & sensitization in curricular and co-curricular activities:**

One of the important objectives of VSMCoE is to provide education to students considering the requirements of various sections of the society with a special focus on gender sensitivity and gender equality. At VSM students of both the gender have equal

opportunities to develop to their optimum potential. Some of the efforts made by the institute to promote women empowerment are highlighted below:

The annual gender equity and sensitization action plan includes the curricular and extra-curricular initiatives that were prior planned and further executed. The institute arranges special programs, especially during International Women's Day, wherein female students and staff take part in large numbers.

for remaining qm visit:

<https://www.vsm.edu.in/engineering/pdfs/AQAR/7/VSM-QLM-7.1.1.pdf>

File Description	Documents
Annual gender sensitization action plan	<a href="https://www.vsm.edu.in/engineering/pdfs/AQAR/7/7.1.1.pdf">https://www.vsm.edu.in/engineering/pdfs/AQAR/7/7.1.1.pdf</a>
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	<a href="https://www.vsm.edu.in/engineering/pdfs/AQAR/7/7.1.1_specific%20facilities%20provided%20for%20women.pdf">https://www.vsm.edu.in/engineering/pdfs/AQAR/7/7.1.1_specific%20facilities%20provided%20for%20women.pdf</a>

**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	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

VSM College has made efforts towards a sustainable environment by prioritizing waste management and implementing the policy of reducing, reusing and recycling the waste. The institute has also made efforts to sensitize its students on waste management and

waste disposal by participating in the Swatch Bharat Abhiyan. Management of degradable and non-degradable waste is one of the important agenda. The institute has taken various initiatives for disposal of different types of waste and ensure environment in and around the campus is environment friendly.

#### Solid Waste Management:

Being an institute with residential facility, considerable quantity of wet (food/ organic) waste is generated in the premises. Biodegradable wet waste is mostly generated from hostel kitchens. Food waste generated in these kitchens is sent to cattle farm or used as vermicompost. A small unit of vermicompost is also created in the campus. The vermicomposting unit is an outcome of academic activities being integrated with practical projects taken up by students. In classrooms, offices, mostly paper waste and plastic wrappers are generated.

for remaining qlm visit:<https://www.vsm.edu.in/engineering/pdfs/AQAR/7/VSM-QLM-7.1.3.pdf>

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<a href="https://www.vsm.edu.in/engineering/pdfs/AQAR/7/7.1.3.pdf">https://www.vsm.edu.in/engineering/pdfs/AQAR/7/7.1.3.pdf</a>
Any other relevant information	<a href="#">View File</a>

**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	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

<b>7.1.5 - Green campus initiatives include</b>	
<b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b>  <b>1.Restricted entry of automobiles</b> <b>2.Use of Bicycles/ Battery powered vehicles</b> <b>3.Pedestrian Friendly pathways</b> <b>4.Ban on use of Plastic</b> <b>5.landscaping with trees and plants</b>	<b>A. Any 4 or All of the above</b>
<b>File Description</b>	<b>Documents</b>
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>
<b>7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution</b>	
<b>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</b>	<b>A. Any 4 or all of the above</b>
<b>File Description</b>	<b>Documents</b>
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>
<b>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-</b>	<b>A. Any 4 or all of the above</b>

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

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	<a href="#">View File</a>
Details of the Software procured for providing the assistance	No File Uploaded
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).

**Response:**

An inclusive environment is one in which members feel respected by and connected to one another. VSM believes in cultural diversity and cultural tolerance as a key to social harmony and has a diverse range of student body as well as employees from diverse regions. Students admitted through centralized admission process is reflects Inclusiveness in the entry level and acceptance of all students from diverse regions, academic backgrounds, and linguistic competencies.

The analysis has shown that students at the institute come from diverse cultural background such as North India, South India and from different religion such as Hindus, Muslims, Christians, Buddhist, Jains and Sikhs.

Irrespective of the state or the religion the institute practices cultural inclusiveness to deepening mutual understanding and trust. Regardless of the cultural background institute focuses on developing the students through academics, co-curricular and extracurricular activities

for complete qlm visit:

<https://www.vsm.edu.in/engineering/pdfs/AQAR/7/VSM-QLM-7.1.8.pdf>

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The courses 'Constitution of India', 'Professional Ethics' and 'Cyber Law' offered in B.Tech curriculum. UG students are sensitized about fundamental rights, directive principles, and duties of citizens. Important outcomes of this course are to ensure students have constitutional knowledge and they understand the responsibilities of engineers.

Apart from working towards academic excellence, the institute strives to develop students as responsible citizens of this country. Through various programs and practices, students & employees are sensitized about various constitutional obligations. Faculty members & students enthusiastically involve in all the programs arranged for driving these obligations.

Every year 'Independence Day' and 'Republic Day' is celebrated with great vigor to constantly remind the faculty and the students with respect to the sacrifices made by our freedom fighters and recollect their contributions. During these celebrations, rights, duties, and responsibilities of citizens are stressed by invited guests. Students and staff speak about fundamental rights & duties, Human rights and directive principles of the constitution

for complete qm visit:

<https://www.vsm.edu.in/engineering/pdfs/AQAR/7/VSM-QLM-7.1.9.pdf>

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers,**

**A. All of the above**

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 4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
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	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

Every year institute celebrates national and international commemorative days, important festivals on the campus which promotes desired harmony amongst students and staff. Few selected events organized/ celebrated in the recent past are highlighted below:

National youth day on occasion of Swami Vivekananda Jayanthi (12th Jan): Student recollects the message put forth by Swami Vivekananda and the role of the youth in the development of the Nation and the Society.

Republic Day (26th Jan): Students, Staff and Management hoist the National Flag and recollect the importance of protecting the constitution and contribution made by Dr. B. R. Ambedkar in framing the constitution. Principal, HODs, teaching & non-teaching staff & students of the institute participated in 71st Republic Day Celebrations arranged on the campus.

International Women's Day (8th March): Reputed Women personalities are invited for the talks. The women achievers are awarded on this



occasion.

for complete qlm visit:

<https://www.vsm.edu.in/engineering/pdfs/AQAR/7/VSM-QLM-7.1.11.pdf>

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	<a href="#">View File</a>
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 I: Title of the Practice: Objective Outcome Based Education Practice**

**Objectives: To focus on student learning outcomes. To train Graduates suitable to industry/entrepreneurship/research**

- To ensure Continuous Quality Improvement

**Context:** Along with the traditional methods of teaching, Outcome Based Education is practiced in the institute. The traditional method focusing on 'covering the content' is giving much less thought to the 'learning by the student' and has been generating graduates with lower employability. The content-driven approach to teaching has been referred to as a teacher-centered approach where instructional objectives and learning outcomes are not comprehensively planned and informed to students. Stress on Lower Order Thinking Skills and Student assessment is not aligned to program outcomes.

**Practice:**

Our institution is an affiliated college. As per the University guidelines internal assessment test, practical examination and university examination are the only ways of assessing the academic performance of the student. OBE includes quiz, assignments, seminar, presentations, etc., adopting Blooms Taxonomy. Continuous

counselling was done to explain the importance of these activities in their academic and professional life which motivated the students to participating in the OBE activities.

for complete qlm visit:

<https://www.vsm.edu.in/engineering/pdfs/AQAR/7/VSM-QLM-7.2.1.pdf>

File Description	Documents
Best practices in the Institutional web site	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 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

#### Teaching - learning as thrust area

The Vision of the institution is "To provide an excellent technical education for development of global engineers with strong entrepreneurial skills and social ethics" which indicates the commitment of the institution to teaching and thereby the learning of the students. The institution is predominantly over decade has evolved into excellence in teaching-learning with other development verticals such as research, innovation, consultancy, industry interaction and entrepreneurship. In these years, the institution has been progressively achieving results in all other verticals besides its primary domain of teaching - learning.

#### Priority:

"Konaseema" region of Andhra Pradesh is backward in education. The development and education opportunities to the students in this region were scanty. The setting of the institution in this rural region in 2009 was to provide quality technical education to generate first generation engineers.

for complete qlm visit:

<https://www.vsm.edu.in/engineering/pdfs/AQAR/7/VSM-QLM-7.3.1.pdf>

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.3.2 - Plan of action for the next academic year

- Research Centre recognition from JNTUK.
- Improve the no. of journal publications by faculty members.
- Improve the graduate success rate of students from all the departments.
- Improve the placement rate with IT product based companies.
- To increase the no. of University Rank Holders.
- Modernization and sophistication of department laboratories with latest technological advancements with the financial assistance from funding agencies.
- Encourage and support the faculty for filing a greater number of patents.
- Motivate and support more no. of faculty to pursue and complete doctoral degree.
- Attaining autonomy so as to offer industry relevant curriculum and train the students as required by the industry.
- To achieve NBA Accreditation Status for the Program