



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		V.S.M COLLEGE OF ENGINEERING
Name of the head of the Institution		Dr A Sri hari Prasad
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08857246400
Mobile no.		7729972281
Registered Email		principal@vsm.edu.in
Alternate Email		vsmcoe@gmail.com
Address		Main Road, Ramachandrapuram
City/Town		Ramachandrapuram
State/UT		Andhra Pradesh
Pincode		533255
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr V Sreenivas
Phone no/Alternate Phone no.	08857246400
Mobile no.	7729972281
Registered Email	principal@vsm.edu.in
Alternate Email	naac@vsm.edu.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.vsm.edu.in
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.vsm.edu.in

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.63	2017	12-Sep-2017	11-Sep-2022

6. Date of Establishment of IQAC	09-Oct-2017
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Regular IQAC Meetings	11-Jun-2018 6	32
Academic audit	15-Jul-2018 1	32

Feed back	10-Sep-2018 1	1175
NIRF participation	13-Nov-2018 1	32
ISO certification	11-May-2019 1	32
university fact finding committee	21-May-2018 1	1200
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
VSM College of Engineering	NA	NIL	2018 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

3

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

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11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

12. 1. Prepared an overall comprehensive development plan of the college . 2. Students have been encouraged to participate in HACKTHON on behalf of innovative cell. 3. Institution innovative council has been established by MHRD. 4. Due to industry interaction and on motivation of students to induce CRT programme as a result of which the placement has been increased . 5.The participation of FDP and paper publication by faculty have been note worthy enhancement in the Academic Year

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

Plan of Action	Achivements/Outcomes
Designing and implementing Annual plans for quality enhancement.	IQAC is formed with senior academicians. IQAC conducts review meetings every month with every department and assess the progress in academics,
Arrange for feedback responses from students, teachers, parents & Alumni on syllabus.	IQAC conducts periodically FDP's on teaching methodologies, communication skills and recent transformations in engineering subjects offered.
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.	Implementation of teaching / learning process using multimedia lectures, CBT lectures, NPTEL video lectures, etc.
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).	Incentives to faculty for research, research publications and qualification up gradation.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing body	27-Jun-2019
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	02-Feb-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>MODULS IN MIS 1. Salary module 2. Leave module 3. Fee collection module 4. Bills Accounts module 5. Result Analysis module 6. Attendance module 7. Feed back module 8. Issue management module 9. Academic content Management 10. Curriculum planning 11. Office Management</p> <p>The existing MIS tools in VSMCOE will help the institution to organize, evaluate and efficiently manage the Departments within the organization and further used for decision making, coordination, control, analysis and visualization of information in the organization. The MIS is used to create reports, extract data and assist in decision making processes of middle and operational level officers. Hence the MIS will improve the organization efficiency, add value to existing systems, to The existing MIS is a combination of its multiple subcomponents to provide the relevant information to take a decision, attend the work or direct the concerned to attend the task in a targeted disposal of the issue. MIS satisfies the diverse needs thoroughly a variety of systems like Query system, (Grievances) Analysis system (Results, Accounting) and Decision support system The strategic planning, management control, operational control and transaction processing is done through MIS. Besides the information generation communication, problem</p>

identification etc is done through MIS. The system ensures that the appropriate data is collected (feedback etc) from various ends, processed and send further to all the needy destinations. Hence MIS fulfills the information needs of individual, a group of individuals (staff), the management functionaries : Officers Top management (Directors etc) The existing MIS provides a holistic view of the dynamics and structure of the organization and it is working as a complete and comprehensive system covering all interconnecting sub systems within the organization.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

The institution ensures effective curriculum delivery through a well planned and documented process Response: Being the affiliated institute, the institute implements the curriculum prescribed by the affliating university-JNTUK-Kakinada for effective implementation of the curriculum, the following process is developed and deployed. Plan for effective implementation of curriculum: At the outset, the Principal of the college conducts meetings with the various department heads to develop strategies for effective implementation of the curriculum. Teachers are encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars and industrial visits besides the regular/traditional chalk and talk methods . We follow the academic calendar provided by the University which is circulated to all departments At the beginning of the semester we prepare Objective Driven Teaching Plan. faculty members maintain course booklet throughout semester. The College encourages its faculty members to participate in Orientation/ Refresher Courses/ Workshops/ Seminars organized by the University so as to update their knowledge and to improve the teaching practices. The college provides ample books and other teaching and reference materials like journals, magazines, teaching models and software to enable its teachers to ensure effective delivery of curriculum. Library committee conducts meeting and takes appropriate decision regarding the requirement and procurement of books, journals, e-journals. Ensuring staff have opportunities for keeping their skills and industry/business expertise up to date Encouraging faculty members to evaluate their own learning and teaching practice Encouraging innovation in learning and teaching - planning how practice can be shared amongst lecturers Establishing MOUs with various industries and institution. Every Faculty member istried to achievePEOs and POs- Programme Educational Objectives and program objective of each branch of study are framed. The students of that branch would have gained strong fundamental knowledge, acquired enough managerial skill and developed an inclination for lifelong learning. The teaching and laboratory plans are approved by Head of Department (HOD) before the start of semester and communicated to students by respective course teacher. The course files are evaluated by Internal Quality Assurance Committee (IQAC) with help of concerned senior subject teacher and

HOD. IQAC monitors the academic activities on regular basis to ensure the execution of timetable. It also monitors execution of academic calendar and teaching learning process and finds the gap, if any. For a group of around 20 students a teacher is allocated as Mentor. Mentor conducts a weekly meeting and does the counseling of poor performing students.. The academic performance of students is continuously monitored by conducting unit tests, mock practical examinations during the semester.. Bridge courses are organized and conducted for the first year students and lateral entry students to help them understand basic concepts of Mathematics and Engineering. Employing learner centric techniques such as assignments, peer learning, group discussion, brain storming, use of NPTEL lectures, case studies, projects, quiz etc., in the delivery of the academic courses. Views of experts from industry, academia and alumni on curriculum are taken regularly. Feedback from industry and alumni is given due importance in defining graduate attributes.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
TOTAL STATION	NO	05/03/2019	30	entrepreneurship	NO
ARDINO	NO	05/03/2019	30	entrepreneurship	NO
AUTOCAD	NO	19/06/2018	30	entrepreneurship	NO
CNC ACTIVITY	NO	19/11/2018	30	Focus on employability	YES
PCB DESIGN	NO	23/07/2018	30	entrepreneurship	NO
BASICS OF ARDINO	NO	23/07/2018	30	entrepreneurship	NO
IOT	NO	23/07/2018	30	entrepreneurship	NO
OCTAVE	NO	04/02/2019	30	entrepreneurship	NO
DIGITAL SYSTEM DESIGN USING VERILOG	NO	04/02/2019	30	entrepreneurship	NO
EMBEDDED SYSTEM DESIGN USING 8051 MICRO CONTROLLER	NO	04/02/2019	30	entrepreneurship	NO
NO	EMBEDDED SYSTEMS DESIGN USING ARM MICROCONTROLLER	04/07/2018	30	entrepreneurship	NO
NO	IOT	04/07/2018	30	entrepreneurship	NO
NO	FIRE AND	04/07/2018	30	entrepreneurship	NO

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	CIVIL ENGINEERING	11/06/2018
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	11/06/2018
BTech	MECHANICAL ENGINEERING	11/06/2018
BTech	ELECTRONICS AND COMMUNICATION ENGINEERING	11/06/2018
BTech	COMPUTER SCIENCE ENGINEERING	11/06/2018
Mtech	COMPUTER SCIENCE AND ENGINEERING	27/08/2018
Mtech	VLSI AND EMBEDDED SYSTEMS DESIGN	27/08/2018

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

	Certificate	Diploma Course
Number of Students	495	90

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
ART OF LIVING	27/01/2018	69
YOGA	04/02/2019	529
YOGA PERSONALITY DEVELOPMENT	02/08/2018	103
EDUCATION IN FRIENDLY ATMOSPHERE AND ANTI RAGGING	03/08/2018	106
SPIRITUAL MANAGEMENT	12/02/2019	305
COMMUNICATION SKILLS	04/09/2018	36
ENVIRONMENTAL EDUCATION	11/10/2018	110
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1.3.2 – Field Projects / Internships undertaken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
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BTech	EEE	59
BTech	MECH	28
BTech	ECE	173
BTech	CSE	168
BTech	CIVIL	17
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>Faculty Performance Appraisal and Development System The Faculty Performance is evaluated by Principal through HOD for every Academic year with the use of self appraisal Form. Faculty members of Higher Educational Institutions today have to perform a variety of tasks pertaining to diverse roles. In addition to instruction, Faculty members need to innovate and conduct research for their selfrenewal, keep abreast with changes in technology, and develop expertise for effective implementation of curriculum. They are also expected to provide services to the industry and community for understanding and contributing to the solution of real life problems in industry. Another role relates to the shouldering of administrative responsibilities and cooperation with other Faculty, HeadsofDepartments and the Head of Institute. An effective performance appraisal system for Faculty is vital for optimizing the contribution of individual Faculty to institutional performance. The assessment is based on:</p> <ul style="list-style-type: none"> • A welldefined system for faculty self appraisal and every assessment years • All the students of B.Tech are informed to provide their feedback on the subjects taught, in the prescribed proforma given to them frequently. This will be of great value to the Department to enhance the quality of learning. The student feed back is collected after the one month of commencement of class work and during the last week of the semester. This feedback helps to understand the problems of students, syllabus coverage, effectiveness of teaching etc. • Feedback from alumni on curriculum is obtained when they attend the Alumni Meet arranged by the department concerned periodically. In some cases feedback is received as email correspondence. Based on the feedback, the necessary recommendations are proposed in the Board of Studies for discussion and approval. One member is also from alumni in the Board of studies in each department. • Feedback from Parents : During Parents' Meeting, parents meet the faculty to know about the academic performance, regularity, conduct and behavior of their wards and they provide such information about the usefulness or suitability of the programme of their wards. • Feedback from Peers : The College gets feedback from the Subject Experts, Resource Persons, Members of Inspection Commission and External Examiner for conducting Vivavoce, Special invitees to the seminars, symposium and workshops arranged in the College campus to enrich the curriculum. • Industrial Experts Each Board of Studies is represented by a Industry Expert. His / Her elucidations on the requirements of industry with regard to subject knowledge and skill are taken for consideration

while revising / updating the curriculum

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	CIVIL	60	6	6
BTech	EEE	60	3	3
BTech	MECHANICAL	120	7	7
BTech	ECE	120	38	38
BTech	CSE	120	70	70
Mtech	CSE	18	5	5
Mtech	VLSI&ES	18	5	5

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	124	10	131	8	139

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
139	130	8	20	2	6

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

The VSM college of engineering, has been established by the State Government for teaching UG level engineering courses. . Many of our students from rural areas lack proper academic background and financial backup. Mentoring of students thus, is an essential feature to render equitable service to all our students having varied background. Student mentorship has the following aims: a. To enhance teacher student contact hours b. To enhance students' academic performance and attendance c. To minimise student dropout rates d. To identify and understand the status of slow learners and encourage advanced learners e. To render equitable service to students The institute has followed the suggestion made by IQAC, Higher Technical Education Dept., (Govt. of Andhra Pradesh) to introduce the mentoring system. The importance of integrating the system for enhancing students' performance is a common resolution adopted by a meeting of the teaching faculty. The system was promptly and effectively put into practice after it was first resolved in 2017. With a wide variation in the student population with regard to educational and economic background, the system promises to provide a better understanding of individual students and bring out their highest potential. It also appears to be the most effective method/weapon for mitigating cases of those students who are vulnerable to dropout from studies. Design Implementation: The IQAC had taken the initiative of implementing the mentoring of students. Students are categorised based on the streams of studies and also according to their core subjects. They are divided into groups of 2025 depending on the number of students. Each group is assigned a teacher mentor who would

perform mentoring duties. A Mentoring Format with Job chart and Guidelines is prepared by the IQAC to ensure uniformity. a. Mentors maintain and update the Mentoring Format which contains space for entering particulars and performance of students (class tests, monthly attendance records, etc.) b. After collecting all necessary information, Mentors are expected to offer guidance and counselling, as and when required. c. It is the practice of Mentors to meet students individually or in groups. d. In isolated cases parents are called for counselling/special meetings with the Principal at the suggestion of the Mentor. e. If a student is identified as having weakness in particular subject, it is the duty of the Mentor to apprise the concerned subject teacher.

Uniqueness: The institutional practice of Mentoring System has been designed and implemented – a. to be studentcentric b. to render equitable service to students of varied academic financial backgrounds Constraints: With the introduction of continuous assessment under the Semester System, time factor could be a constraint for Mentors. Evidence of Success Though the system has only been implemented in the last few years, significant improvement in the teacherstudent relationship can be seen. The system has been useful in identifying slow learners and advanced learners. Based on the requirement deduced through a careful examination of each Mentor's report, the College has organised several Remedial Classes in the identified topics/subjects for slow learners. Targets achieved The Remedial Classes

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
124	17	1 : 20

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
21	21	0	21	4

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	G.V.K .S PRASAD	Associate Professor	ELITENPTEL
2018	CH SRI POTHU RAJU	Assistant Professor	ELITENPTEL
2018	ANALA NARAYANAMURTHY	Assistant Professor	ELITENPTEL
2018	K V V S S GUNNESWARARAO	Assistant Professor	ELITENPTEL
2018	R S LAVANYA DEVI MAGAPU	Assistant Professor	ELITENPTEL
2018	K.SUREKA	Assistant Professor	ELITENPTEL
2018	P.V.RAMIREDDY	Assistant Professor	ELITENPTEL
2018	P.BHASKARA RAO	Assistant Professor	ELITENPTEL
2018	N L INDIRA RANI	Assistant Professor	ELITENPTEL
2019	G.V.K .S PRASAD	Associate Professor	ELITENPTEL
2019	CH SRI POTHU RAJU	Assistant Professor	ELITEGOLDNPTEL
2019	D S LALITHA PADMINI	Assistant Professor	ELITENPTEL
2019	VOORA S N V S R PHANIKUMAR	Assistant Professor	ELITENPTEL

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	1A0	I/I	15/11/2018	07/01/2019
BTech	1A0	I/II	08/11/2018	27/12/2018
BTech	1A0	I/III	06/11/2018	15/12/2018
BTech	1A0	I/IV	08/11/2018	04/12/2018
Mtech	1D6	I/I	08/02/2019	07/05/2019
BTech	1A0	II/I	09/05/2019	07/07/2019
BTech	1A0	II/II	13/05/2019	19/06/2019
BTech	1A0	II/III	07/05/2019	07/06/2019
BTech	1A0	II/IV	26/05/2019	26/06/2019
Mtech	1D6	II/I	13/08/2019	13/11/2019

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

• **Centralized Continuous Internal Evaluation System:** Assessment of performance is an integral part of teaching and learning process. As a part of sound educational strategy, the institution adopts Centralized Continuous Internal Evaluation (CIE) System to assess all aspects of a student's development on a continuous basis throughout the year.

• **Orientation on Evaluation Process:** Students are made aware of the evaluation process through the following initiatives:

- The orientation programmes at the beginning of the semester through public address system of the college
- Teaching Plan contains evaluation procedures
- Academic Calendar with CIA Exam dates
- Orientation on changes and amendments in the evaluation process through Tutorial Meetings
- Display in the College and Department Notice Board
- Result Analysis Review Meeting: Result Analysis is done by the class tutors after every CIA Test. Pass percentage of each course is calculated by dividing the total number of students appeared and passed in each course. The performance of the students is monitored by the Principal and the necessary feedback is given to the concerned faculty members. The Principal conducts Review Meetings department wise to give necessary feedback for the improvement of students' performance.
- Progress Reports Parents Meetings: The institution is keen on monitoring the performance of the students and reports to the Parents. Progress Reports are sent by the tutors to the parents after each of the test. Parents/ Guardians are advised to note the performance of their wards and take remedial measure if needed. Whenever necessary, the tutor shall recommend the visit of the parent to the college for a discussion about the student.
- Remedial Classes are conducted for the slow learners, absentees and the students who participate in Sports, NSS activities and Placement Interviews. This practice helps struggling learners to update their subject knowledge and helps them to catch up with their peers.
- External examinations of three hours duration will be conducted at the end of every semester for all the theory papers and practical papers. Students should satisfy the eligibility criteria of 75 attendance in each semester to appear for University Examination. The students who have arrears are permitted to write their papers in both the semester examinations.
- Representation in the Board of Studies: The senior faculty members appointed by

the University act as the member of Board of Studies. At Every meeting they suggest evaluation reforms and discuss any discrepancy in the Passing Board meeting. At the time of central valuation the examiners have the facilities to represent any out of syllabus questions. The chairman of the valuation Board will take necessary action. • Supplementary Examinations are held for the final year students who have appeared and failed in any one of the semester theory papers relating to completion of his/her degree. •

Reappearing/Recounting/Revaluation: The students are informed of the Reappearing/Recounting/Revaluation scheme available to them. Retotalling is permitted for U.G. students who apply for it within the stipulated time on payment of prescribed fee. Revaluation is permitted only for the papers written in regular U.G. examinations and not for arrear examinations.

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

The institution ensures effective time management and timeliness. It receives the university given timeline and adheres to it. In the beginning of the academic year, academic calendar is published by the University for Respective Course. The college carries out effective planning to stick to academic calendar. This allows the teachers and the students to space out their teaching and learning and regular assessment of the same. The tests are conducted in evenly spaced out intervals to avoid pressuring the students with too many examinations. Every academic year consists of two semesters. Each semester is to be of 16 weeks. The first Continuous Internal Examination (CIE I) also known as MID I along with the Lab Internal 1 is conducted after 8 weeks of class work. CIE II (MID II) is conducted after 16 weeks of class work. Within the above mentioned 8 weeks of class work, the concerned syllabus is taught to the students. They are then tested on the same material. An average of both these examinations is calculated to attain the final internal marks of the student. These marks are also vitalized to decide the course of nature for teaching slow students and rectify their performance before the external examination All question papers are set based on the OBE format. They are mapped with their respective course outcomes that are stated in the beginning of the course. The assignments given to the students involve unaddressed program outcomes. This helps the students attain knowledge beyond the syllabus as these topics are not covered by the exams conducted by the university but are still relevant. These assignments are given within a set timeframe. The students are to complete them within the time given to adhere to the university’s timeline. Following the university calendar, every department creates internal calendars to ensure timely delivery of syllabus. Every teacher follows a strict agenda that is discussed and approved by the head of their respective department. This is followed by deducing a daytoday division of topics and chapters. These topics and chapters are chosen keeping the upcoming CIE in mind. The timeline created allows for the students to complete the given syllabus in enough time. The students are given plenty of time before the examinations as well to prepare and practice their concepts. In case of any required change, the university communicates the modification to the college and the college enforces the same. In any condition, the academic calendar is followed and respected by teachers of all departments.

2.6 – Student Performance and Learning Outcomes

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

<https://www.vsm.edu.in/peopoco.html>

2.6.2 – Pass percentage of students

Programme	Programme	Programme	Number of	Number of	Pass Percentage
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Code	Name	Specialization	students appeared in the final year examination	students passed in final year examination	
1A0	BTech	CIVIL	55	28	50.9
1A0	BTech	EEE	49	31	63.26
1A0	BTech	ME	105	51	42.85
1A0	BTech	ECE	95	57	60
1A0	BTech	CSE	107	61	57
1D6	Mtech	VLSI&ES	3	2	66.66
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2.7 – Student Satisfaction Survey

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

<https://www.vsm.edu.in/sss.html>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	1	vsmcollege of engineering	480740	480740
Students Research Projects (Other than compulsory by the University)	1	vsmcollege of engineering	35080	35080
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
SDVVL SURVEY SOLUTIONS	civil	05/03/2019
SDVVL SURVEY SOLUTIONS	civil	17/08/2018
hydro power generation	eee	08/08/2018
tribal women installed led	EEE	12/09/2018
training program UG design	CSE	02/07/2018
training program CCNA design	CSE	03/12/2018
recent trends in image processing	CSE	01/09/2018
quality management program(NDTQA/QC)	MECH	20/02/2019

nondestructive testing	MECH	21/01/2019
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3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
SYSTEM AND METHOD FOR STRENGTHENING SECURITY FOR CLOUD DATA	Dr.velagapudi sreenivas	institute of scholars	22/08/2018	RESESARCH
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
IIC	VSM VSM	MANAGEMENT	SATBILIZATIO N OF BLACK COTTON SOIL USING BANANA ASHES	SOIL	21/12/2018
IIC	VSM	MANAGEMENT	GO KOOT	DESIGN AND FABRICATION	13/11/2018
IIC	VSM	MANAGEMENT	3D PRINTER	3D DESIGN	10/12/2018
IIC	VSM	MANAGEMEN	PLASTIC TO FUEL EXTRACTION	RECYLING OF PLASTIC WASTAGE	26/12/2019
IIC	VSM	MANAGEMEN	GOOGLE ASSISTANT	EMBEDDED SYSTEM	12/11/2018
IIC	VSM	MANAGEMEN	TOILET FAN CONTROLLER	EMBEDDED SYSTEM	15/11/2018
IIC	VSM	MANAGEMEN	RFID BASED SYSTEM	EMBEDDED SYSTEM	10/12/2018
IIC	VSM	MANAGEMEN	NAAC FEED BACK SYSTEM	PHP WITH MY SQL	13/11/2018
IIC	VSM	MANAGEMEN	BUS TRACKING USING IOT	IOT AND GPS	27/11/2018
IIC	VSM	MANAGEMEN	ATTENDANCE USING BAR CODE SCANNER	PHP WITH MY SQL	26/12/2018
IIC	VSM	MANAGEMEN	STUDENT MID MID MARKS INFORMATION SYSTEM	PHP WITH MY SQL	07/01/2019
IIC	VSM IIC	MANAGEMENT	DETECTION OF SYNCHRONISAT ION FAILURE	POWERSYSTEMS	13/11/2018
IIC	VSM IIC	MANAGEMENT	SOLARV VECHILE	RENEWABLE ENERGY SYSTEMS	27/11/2018
IIC	VSM IIC	MANAGEMENT	STUDY ON CONCRETE	CONCERTE TECHNOLOGY	12/11/2018

			MADE BY PPC		
IIC	VSM IIC	MANAGEMENT	STUDY ON GRAINITE AND BRICK POWDER AS PARTIAL REPLACEMENT	CONCERTE TECHNOLOGY	13/11/2018
IIC	VSM IIC	MANAGEMENT	SATBILIZATIO N OF SOIL BY DRYGRAM AND GGBS	SOIL	27/11/2018
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
NIL	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	CIVIL	8	6.23
National	MECH	4	4.57
National	ECE	6	4.98
National	CSE	9	6.15
National	HBS	1	6.2
National	EEE	1	6.2
No file uploaded.			

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

Department	Number of Publication
CSE	1
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
0	0	0	2019	0	0	0
No file uploaded.						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the	Name of	Title of journal	Year of	h-index	Number of	Institutional
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Paper	Author		publication		citations excluding self citation	affiliation as mentioned in the publication
0	0	0	2019	0	0	0
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	11	0	0
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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
WORLD ENVIRONMENT DAY	VSM COLLEGE OF ENGINEERING	1	30
AWARENESS PROGRAM ON ECHO FRIENDLY GANESHA	VSM COLLEGE OF ENGINEERING	2	30
AWARENESS PROGRAM ON ROAD SAFETY	VSM COLLEGE OF ENGINEERING	1	100
Mother teresa Birthday FOOD DONATION	At JM Bethesda New Life Center, Muchimilli	2	40
Skill development program for school children	Rayavaram government high school	2	25
Skill development program for school children	Srimathi Indira Gndhi Purapalaka Sangam Vunnatha Patasala, Chakalapeta	1	25
Independence Day Celebrations	JNTUK	3	20
Anti Ragging Meeting by DSP Sri J.V.Santhosh	VSM COLLEGE OF ENGINEERING	10	150
Republic day Celebrations	JNTUK	3	21
Blood Donation Camp	VSM COLLEGE OF ENGINEERING	5	128
Essay Writing on women Empowerment	VSM COLLEGE OF ENGINEERING	2	40
international yoga day	VSM COLLEGE OF ENGINEERING	4	100
JANMABHUMI MAAVOORU	JNTU K`	1	60

KISHORI VIKASAM	GOVT OF ANDHRAPRADESH	5	200
NATIONAL GIRLS DAY	VSM COLLEGE OF ENGINEERING	2	40
NATIONAL VOTERS DAY	VSM COLLEGE OF ENGINEERING	4	100
PLANTATION	VSM COLLEGE OF ENGINEERING	3	50
SWATCH BHARATH	VSM COLLEGE OF ENGINEERING	4	35
THITHLI TUFAN	INDIAN REDCROSS SOCIETY	1	10
Awareness program on deadliest terror attack	VSM COLLEGE OF ENGINEERING	1	40
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
SOCIAL SERVICE	LEADERSHIP EXPERIENCE OPURTUNITY	LIONS CLUB	200
BLOOD DONATION	CERTIFICATE OF APPRECIATION	CHELUKURI SEVA SAMITHI	150
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
KISHORI VIKASAM (GOVT.OF A.P INITIATIVE)	GOVT OF ANDHRAPRADESH	KISHORI VIKASAM (GOVT.OF A.P INITIATIVE)	2	200
NATIONAL GIRLS DAY (GOVT.OF INDIA PROGRAM)	VSM COLLEGE OF ENGINEERING	NATIONAL GIRLS DAY (GOVT.OF INDIA PROGRAM)	2	40
AWARENESS PROGRAM ON ECHO FRIENDLY GANESHA (INTERNAL INTIATED PROGRAM)	VSM COLLEGE OF ENGINEERING	AWARENESS PROGRAM ON ECHO FRIENDLY GANESHA (INTERNAL INTIATED PROGRAM)	2	30
Skill development program for school children (Institutional	Rayavaram government high school	Skill development program for school children (Institutional	2	25

intiated Program)		intiated Program)		
Skill development program for school children (Institutional intiaded Program)	Srimathi Indira Gndhi Purapalaka Sangam Vunnatha Patasala, Chakalapeta	Skill development program for school children (Institutional intiaded Program)	1	25
JANMABHUMI MAAVOORU (STATE GOVT EVENT)	JNTU K	JANMABHUMI MAAVOORU (STATE GOVT EVENT)	3	60
THITHLI TUFAN (STATEWIDE SUPPORT EVENT)	INDIAN REDCROSS SOCIETY	THITHLI TUFAN (STATEWIDE SUPPORT EVENT)	1	10
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
faculty exchange	45	vsmcollege engineering	1
student exchange	1015	vsmcollege eng	1
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Interenshi	All technical related Basic training on Automobile parts like engine, Gear Box and Clutch etc.,	Volkswagen, vijayawada 520004, 0866 245522	02/06/2019	11/06/2019	1
Interenshi	Study and observation of combine cycle power plant.	Eastern power distribution company, Godavari Gas Power Plant (216 MW), Jegurupadu	07/06/2019	20/06/2019	2
Interenshi	Study of	HINDUSTHAN	06/06/2019	05/07/2019	1

	Crude Oil Distillation and Study of Fractional distillation of crude oil	Petroleum corporation ltd, Visakha patnam 530031, 2895000, 2895100			
Interenshi	All technical related Basic training on Automobile parts like engine, Gear Box and Clutch etc.,	Volkswagen, vijayawada 520004, 0866 245522	02/06/2019	11/06/2019	1
INTERNSHIPS	All technical related Basic training on Automobile parts like engine, Gear Box and Clutch etc.,	MN MOTORS,RJY 533 107, 0883 2427737	06/06/2019	20/06/2019	4
INTRENSHIP	student will get knowledge about area measurement and calculations of land, this total station is advanced equipment compared to other equipments.	Total Station Survey	26/02/2018	03/03/2018	7
Internship	To understand the operation of cnc machines ,fabrication of pcbs	MSN MURTHY TECHNOLOGIES RAMACHANDRAP URAM	15/05/2019	06/06/2019	12
Internship	To understand the operation of thermal power plant ,gas power	VIZAG STEEL PLANT	17/06/2018	28/06/2018	3

	plant and boiler, steel production				
Internship	To understand the manufacturing of stainless steel, carbon steel, aluminium and other materials	UNICORN INDUSTRIES LIMITED	01/05/2019	06/06/2019	1
Internship	To understand the operation of thermal power plant, gas power plant and boiler and production of steel	VIZAG STEEL PLANT	01/07/2019	13/07/2019	4
Interenship	To understand the operation of control panel, switchyard, power distribution	APTRANSCO RCPURAM	01/06/2019	15/06/2019	3
Interenship	To understand the operation of thermal power plant, gas power plant and boiler and production of steel	VIZAG STEEL PLANT	03/06/2019	15/06/2019	8
Interenship	To understand the operation of control panel, switchyard, power distribution	APTRANSCO RCPURAM	10/06/2019	15/06/2019	4
Interenship	To understand the operatTo understand the	VIZAG STEEL PLANT	01/05/2019	18/05/2019	3

	operation ion				
Interenship	maintenance of websites of other firms/ creation of multimedia p resentations for other firms	APTAS, HYD	13/05/2019	04/06/2019	1
Interenship	To understand the operation of control pane l, switchyard , power distribution	APTRANSCO KAKINADA	25/05/2019	10/06/2019	6
Interenship	To understand the operation of control pane l, switchyard , power distribution	APTRANSCO VEMAGIRI	06/06/2019	20/06/2019	3
Interenship	To understand the operation of control pane l, switchyard , power distribution	APTRANSCO RCPURAM	10/06/2019	25/06/2019	2
Interenshi	Engineering Shop and Foundary	Rastriya Ispat Nigam Limited, Vis akhapatnam Steel Plant, Technical Training Institute, V isakhapatnam 530031	20/05/2019	01/06/2019	4
Interenshi	Maintenance of Rotary Crushes and Gear Boxes in Sinter Plant	Rastriya Ispat Nigam Limited, Vis akhapatnam Steel Plant, Technical Training Institute, V isakhapatnam 530031	17/06/2019	29/06/2019	4

Interenshi	Coke Ovens and Coal Chemical Plant	Rastriya Ispat Nigam Limited, Visakhapatnam Steel Plant, Technical Training Institute, Visakhapatnam 530031	17/06/2019	29/06/2019	5
Interenshi	Engineering Shop and Foundary	Sree Yanam Steels private Limited, Adivipolam, YANAM 533 464, K Bharat Kumar Reddy, Executive Director (88485 22444)	05/06/2019	20/06/2019	5
Interenshi	Combined Cycle Power Plant	GVK Industries Limited, Jegurupadu, Near Rajahmundry, EGDT 533 126, AP, 08832453186 187	15/05/2019	25/05/2019	3
Interenshi	All technical related Basic training on Automobile parts like engine, Gear Box and Clutch etc.,	MARUTI SUZUKI Pvt. Ltd, Near Ghatti Center, Kakinada 533002, 00884 234929	20/05/2019	05/06/2019	13
Interenshi	Paper Board preperation from waste peper and pulp mill study	Sree Ramachandra Paper Board pvt ltd	09/05/2019	19/05/2019	1
Interenshi	All technical related Basic training on Automobile parts like	HONDA, Srikara Honda, Kakinada, AP 533005, 08842363388	20/05/2019	20/06/2019	1

	engine, Gear Box and Clutch etc.,				
Interenshi	Study and observation of combine cycle power plant.	Eastern power distribution company, Godavari Gas Power Plant (216 MW), Jegurupadu	07/06/2019	21/06/2019	2
Interenshi	Study of Crude Oil Distillation and Study of Fractional distillation of crude oil	HINDUSTHAN Petroleum corporation ltd, Visakha patnam 530031, 2895000, 2895100	06/06/2019	05/07/2019	1

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
tribal women installed led	10/06/2019	guest lecture	53
manihamsa hydro power	18/09/2019	WORKSHOP	49
SDVVL SURVEY SOLUTIONS	27/08/2019	WORKSHOP	55
SDVVL SURVEY SOLUTIONS	27/08/2018	guest lecture	26
VIDAL NDT	07/02/2018	WORKSHOP	106
SHIVAN	05/09/2018	WORKSHOP	86
BRAINY	18/06/2019	WORKSHOP	107
prime soft	06/06/2018	WORKSHOP	120
prime soft	06/06/2018	guest lecture	215

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
2100000	1721619

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added

Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
soul software	Partially	partially implimented	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	18282	3600000	1292	283023	19574	3883023
Reference Books	2240	45833	25	12363	2265	58196
Digital Database	1000	0	200	0	1200	0
CD & Video	800	0	80	0	880	0
Journals	40	25000	0	0	40	25000
e-Journals	2	17400	0	0	2	17400

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platformon which module is developed	Date of launching e-content
K SUREKHA	DATA BASE MANAGEMENT SYSTEM	TRANSACTION MANAGEMENT	07/09/2018
G KALYAN CHAKRAVARTHY	HADOOP ARCHITECHURE	BDA	13/09/2018
A BABJI	THERMODYNAMICS AND R AND AC	THERMODYNAMICS	06/09/2018
K STYANARAYANA	BASIC CONCEPTS OF OOPS	PYTHON	07/09/2018
H M SAMEERA	CNS	RSA ALGORITHM	07/09/2018
P KRISHNA CHAITANYA	PRODUCTION	PRODUCTION	13/09/2018

		TECHNOLOGY	
PHANI KUMAR	POWER SYSTEMS	POWER SYSTEMS	10/09/2018
U V V SATYANARAYANA	BLOCK DIAGRAM OF CONTROL SYSTEMS	CONTROL SYSTEMS	10/09/2018
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	290	4	1	1	1	5	12	60	0
Added	60	0	0	0	0	0	0	0	0
Total	350	4	1	1	1	5	12	60	0

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

60 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
ERP	nil

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1000000	880005	2000000	1780851

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

LABORATORY :The laboratories in the college are furnished according to the statutory rules. Necessary equipment and material is procured to deliver to the students the best standards of education. **LIBRARY Procurement of learning resources :**

- The librarian recommends the list of learning resources to be procured
- Systematic effort is put into stocking the Library. This is done so by careful identification, evaluation and selection for the students' convenience.
- Any book, journal, online database or any learning resource is added only after selection process by subject experts.

Procedure of procurement of Books/Reports : Initiation of Acquisition: Concerned faculty recommends books to be procured in their respective subjects. Students also recommend books based on their requirement. These requirements are endorsed by the concerned faculty member

Invoice Processing: All indents made by the faculty are routed through the Principal to the Chairman for approval. The order is made online, by print or via email depending on the convenience of the library and accessibility. Purchase Orders are issued by the librarian. Reliable vendors are chosen based on their response to queries, availability of books and adherence to terms and conditions. Vendor panel is updated from time to

time based on performance. Accessioning: Entries are made in the bill register at the security point of the college. Bills together with the books are sent to Library. The details of the Invoice and books are made in the Accession Register and accession . numbers are given to the books. Bill Files are maintained at Library with librarian. Classifying: As per the Dewey Decimal Classification (DDC) schedule books are classified and class numbers are assigned. Processing books: Stamping - Library Stamp is put on the backside of the title page, on secret page and on the last page. Bar Codes and Round labels are pasted on the title page and are laminated with Cello tape. Due Date Slip and book cards are prepared. New arrivals are sent to New Additions Rack, Reference Section or Reserve Shelf. Library Advisory Committee (LAC) Composition: The composition of this Committee is as follows: Chairperson: Principal Members: One faculty and 2 Students from each Department (HOD to propose panel names from their respective departments) Secretary : Librarian Shall be the Head/Secretary of LAC Entire staff of the Library participates in the meeting to provide required inputs The function of the Library Advisory Committee is to support the functioning of the library so that it facilitates the library development plans by advocating the library development activities with the management SPORTS A sports committee is created to handle the matters and concerns related to sports. This committee consists of students as well as concerned faculty. A meeting is held on the last Friday of every month to discuss matter. Issues like the following are discussed in these meetings:

<http://www.vsm.edu.in/qi.html>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	FEE CONCESSION	892	22080000
Financial Support from Other Sources			
a) National	0	0	0
b)International	0	0	0

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
soft skill development	19/10/2018	232	carrer focus,guntur
language lab	02/07/2018	123	vsm coe
yoga	22/08/2018	410	satya seva yoga mandal
personal counselling	10/09/2018	124	vsm coe

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

Year	Name of the	Number of	Number of	Number of	Number of
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	scheme	benefited students for competitive examination	benefited students by career counseling activities	students who have passed in the comp. exam	students placed
2018	guidance for competitive examination career counselling	1264	232	0	213
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
26	25	2

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
5	329	208	2	40	5
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	4	BTECH	CIVIL	LENORA, SRINI VASA, KIET COLLEGE OF ENGINEERING	MTECH
2018	4	BTECH	ECE	KIET, VSM COLLEGE OF ENGINEERING	MTECH
2018	1	BTECH	EEE	KITS ENGINEERING COLLEGE	MTECH
2018	2	BTECH	MECH	KITS, PYDAH COLLEGE OF ENGINEERING	MTECH
2018	14	BTECH	CSE	KITE, KITS, PYDAH, VSM, CIST, JNTU VIJAYA NAGARAM	MTECH, MBA
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	0
SET	0
SLET	0
GATE	0
GMAT	0
CAT	0
GRE	0
TOFEL	0
Civil Services	0
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
sports	college	260
cultural	college	161
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Activity of student council representation of students on academic administrative bodies / committees of the institution. Student members are involved in the committees of seminars , conferences, workshops etc. The members of student council are selected from each Dept. The student council organizes in taking students feedback about academic and administrative processes of the college. The council also plans cocurricular (Non academic activities) and sports activities. The institute believes in giving equal opportunity to the students in supporting their activities and in running the day to day affairs of the college . The class representative put forth the problems and other grievances on behalf of the students of the class. Student representatives are member of various committees like, IQAC, Sports , cultural , Library, NSS advisory committees, Ant ragging , Hostel, campus maintenance , EcoClub, and other important committees . This representative helps in overall development of the college. There are staff advisors to guide the students for the smooth and efficient conduct of various activities planned by the student council . students are exposed to co curricular and extension activities in neighborhood capacity and sensitivity students to social issues and leads to their holistic developments. The students are taking leadership roles in arranging all programmes of the committees in with they are members.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni Association (VSMECOSA) The Alumni association of VSM college of Engineering has been functioning from 2018 at the college campus. The main aim of the association is to maintain the link between the college and alumni and share the details of employment and achievements of the alumni in which they have been placed. The Association also helps the students of the college in their project work in arranging internships etc. especially for III IV year students. Alumni also participate in various entertainment programs conducted by the college. Objectives of the Association: 1. To maintain the contacts of alumni prepare the data base with all details of contact etc. 2. To foster the relationship between the past present students of the college. 3. To keep the old students informed about the growth development of the institution. 4. To give an opportunity to the old students of the institution to partake the responsible task of building up and maintaining the Quality education to the present students. 5. To serve the institution as a forum striving to get a proper blending with national requirements in way of supporting the institution in financial and non financial aspects, viz. Donation for institution development, construction, academic, Library books, instituting endowment prizes/medals/Awards/scholarships/incentives for the students in various academic non academic competition etc, besides helping poor and meritorious students by way of freeships etc. 6. Alumni working in industries may also involve in designing course modules for innovative employable courses, and supporting through invited talks on ethical moral values, besides subject specialization its recent trends and thrust areas to keep abreast the students towards the subject.

5.4.2 – No. of enrolled Alumni:

242

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

15000

5.4.4 – Meetings/activities organized by Alumni Association :

The first meeting was held on 13/12/2018. cultural competitions were conducted for the students of college. in the second meeting held in December 2018 . in the meeting it is resolve to certain amount to institute prizes/incentives to the high achievers in academics. in the third meeting held in may 2019 resolved to support for the institution development by way of books, sponsoring sports activities at institutional level.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

To attain good governance of the college, the Governing Body (QB) taken the inputs from different institutional committees, In order to implement all institutional function different statutory and non statutory committees with designated roles and responsibilities have been assigned for good and better governance which also brings transparency. The college delegate authority and provide operational autonomy to the Departments and various committees of the institution. The recommendations of the committees including IQAC are reviewed and implemented. Further the institution promotes the culture of participative management at the levels of management, Dean, 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 TL Process. Alumni and parent - teacher meetings are to elucidate the information on the development of the institution students are allowed to represent their view as class representative and other events coordinators staff meetings are conducted with the management to take views on developing institution and its activities. So as to reflect the vision and mission of the college.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Research and Development	The Research development Cell holds regular meetings and conduct programmes. Presentations were given to broaden the academic perspectives through presentations of research done by students and faculty. Research Cell presentations were conducted throughout the year.
Curriculum Development	Curriculum is set by the University: Suggestions from the CBCS Workshop on? Projects and Tutorials (Dept. of English) were forwarded to the University . Academic mentoring of students is done by the teachers.
Teaching and Learning	Introduction of special subjects as an elective subject was an initiative of the college. Workshops, seminars, regular use of ICT in classrooms contributed to enhancement of TeachingLearning. The UGC recommended Course on Human Rights and Environmental studies has been implemented. This course, because of it value oriented value, has been continued as an value addon course initiative by the college.
Examination and Evaluation	All year round evaluation through class tests, tutorials, student? seminars/presentations keeps the students in touch with their subject. It also enhances and helps students grow in confidence for University examinations. Results of internal examinations are published in the website.. The students also receive a hard copy of the results which their parents have to sign. Parent teacher meetings are conducted for students who have low attendance and are those who have not performed well in college.
Library, ICT and Physical Infrastructure / Instrumentation	Computers were purchased to replace older versions. A conference room was

	developed and furnished with an air conditioner. Spacious students' common room was provided for students.
Industry Interaction / Collaboration	SWOC was conducted in collaboration with IQAC. THE INDUSTRIES WERE IDENTIFIED FOR MAKING MUSEUM AND FIELD VISITS, STUDENT PROJECTS AND INTERNSHIPS.

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

E-governance area	Details
Administration	MIS is in place. The website displays notices before admission, and reports of recent events. Most of the Accounts, and documentation is digitally maintained, student information as well.
Planning and Development	There is a Building Committee with members from faculty, an architect, an engineer, contractor, teachers and office staff to assist with the planning and execution of vertical extension of the college, planning for infrastructure associated with the new wing. The Planning Board, comprising teachers, nonteaching staff, discusses financial matters regarding grants received, needs of departments so as to plan and budget.
Finance and Accounts	Planning Board (for financial planning and implementation involves the participation of teachers and nonteaching staff. Every grant to the college is discussed in this Board. Budgets for each department at the beginning of the academic year also form part of the discussions. The Library committee prepares book budget with individual departments.
Student Admission and Support	The Student Council liaison between the students and the staff. Academic support is provided to weak students. The Library welcomes students for reference and study. A Book Bank is also available. In case of serious illness, students are visited in hospital by staff and companions. Financially challenged students receive sponsorship through 'Earn While You Learn' Scheme.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/	Name of the	Amount of support
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		workshop attended for which financial support provided	professional body for which membership fee is provided	
2019	N GAYATRI	Short term training program through ICT mode on Measurement and control for industrial automation	VSMCOE	1000
2019	G.V.K.S PRASAD	FACULTY DEVELOPMENT PROGRAM ON EMBEDDED SYSTEMS	VSMCOE	1000
2019	KADALI SRI DURGA	POWER CONVERTER DESIGN	VSMCOE	3000
2019	KADALI SRI DURGA	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	VSMCOE	2000
2019	R.R.Manisri	MEASUREMENT AND CONTROL FOR INDUSTRIAL AUTOMATION,NITTR	VSMCOE	1000
2018	R.R.Manisri	IMPROVING TEACHING SKILLS IN NETWORK ANALYSIS	VSMCOE	2000
2019	V.Phani Kumar	Indian Society for Technical Education(ISTE)	VSMCOE	3540
2019	D S L Padmini	Industrial Inorganic Chemistry	VSMCOE	1000
2019	Ch.Yamini Nikhitha	Problem based learning	VSMCOE	550
2019	V.Tanuja	Problem based learning	VSMCOE	550
2019	P.S.S.Rupa	Problem based learning	VSMCOE	550
2019	P. Pranay Samson	Problem based learning	VSMCOE	550
2019	B.Sri Kalyan	Problem based learning	VSMCOE	550
2019	A.Rambabu	Indian Society for Technical Education(ISTE)	VSMCOE	3540
2019	G KALYAN CHAKRAVARTHI	Indian Society for Technical Education(ISTE)	VSMCOE	3540

2019	G.S.Mohan Chowdary	Indian Society for Technical Education(ISTE)	VSMCOE	3540
2019	M.V.Ramana	Indian Society for Technical Education(ISTE)	VSMCOE	3540
2019	B KRISHNA PRASAD	Indian Society for Technical Education(ISTE)	VSMCOE	3540
2019	P.Bhupareddy	Indian Society for Technical Education(ISTE)	VSMCOE	3540
2018	V PHANIKUMAR	Improving teaching skills in Network Analysis	VSMCOE	2000
2018	U V V SATYANARAYANA	Improving teaching skills in Network Analysis	VSMCOE	2000
2018	V PHANIKUMAR	mESUREMENT AND CONTROL FOR INDUSTRIAL AUTOMATION	VSMCOE	1000
2018	A.Babji	IEEE Membership	VSMCOE	3000
2018	P.Bhaskar Rao	One Day National level workshop on fuel cell techn ologyopportunit ies chalenges	VSMCOE	2000
2018	A.Babji	One Day National level workshop on fuel cell techn ologyopportunit ies chalenges	VSMCOE	2000
2018	P V Rami Reddy	One Day National level workshop on fuel cell techn ologyopportunit ies chalenges	VSMCOE	2000
2018	A Satish	One Day National level workshop on fuel cell techn ologyopportunit ies chalenges	VSMCOE	2000
2018	A Jagadeesh	One Day National level workshop on fuel cell techn	VSMCOE	2000

		ologyopportunities challenges		
2018	M Anuradha	Three day workshop on NDT	VSMCOE	4000
2018	P Sri Rama	Three day workshop on NDT	VSMCOE	4000
2018	P.Bhaskar Rao	One day workshop on characterization of metal matrix composites, GEC, Gudlavalleru.	VSMCOE	1500
2018	P.Krishn Chaitanya	One Day National level workshop on fuel cell technologyopportunities challenges	VSMCOE	2000
2018	P.Bhaskar Rao	One day workshop on koha and liabrary automationa	VSMCOE	1000
2018	V.Ravindra	Two day Hands on workshop on IoT and Drones	VSMCOE	3000
2018	V.Ravindra	Emerging Sensor Technologies and Data Analytics for Air Quality Monitoring	VSMCOE	5000
2018	A BHANU CHANDRIKA	IMPROVING TEACHING SKILLS IN NETWORK ANALYSIS	VSMCOE	1000
2018	CH.SRI POTHURAJU	FACULTY DEVELOPMENT PROGRAM ON SWITCHING THEORY AND LOGIC DESIGN	VSMCOE	1000
2018	G.V.K.S PRASAD	FACULTY DEVELOPMENT PROGRAM ON SWITCHING THEORY AND LOGIC DESIGN	VSMCOE	1000
2018	Y APPARAO	INFORMATION TEORY ,CODING AND CRYPTOGRPAHY	VSMCOE	1000
2018	VAJRA DEEPTHI	FACULTY	VSMCOE	1000

		DEVELOPMENT PROGRAM ON SWITCHING THEORY AND LOGIC DESIGN		
2018	A.NARAYANA MURTHY	FACULTY DEVELOPMENT PROGRAM ON SWITCHING THEORY AND LOGIC DESIGN	VSMCOE	1000
2018	N L INDIRA RANI	FACULTY DEVELOPMENT PROGRAM ON SWITCHING THEORY AND LOGIC DESIGN	VSMCOE	1000
2018	KADALI SRI DURGA	One Day National level workshop on fuel cell technology opportunities challenges	VSMCOE	2000
2018	KADALI SRI DURGA	IMPROVING TEACHING SKILLS IN NETWORK ANALYSIS	VSMCOE	2000
2018	K.SURESH KUMAR	One Day National level workshop on fuel cell technology opportunities challenges	VSMCOE	2000
2018	K.SURESH KUMAR	IMPROVING TEACHING SKILLS IN NETWORK ANALYSIS	VSMCOE	2000
2018	R.R.Manisri	One Day National level workshop on fuel cell technology opportunities challenges	VSMCOE	2000
2018	P.SRIDEVI	IMPROVING TEACHING SKILLS IN NETWORK ANALYSIS	VSMCOE	2000
2018	Y.Varalakshmi	IMPROVING TEACHING SKILLS IN NETWORK ANALYSIS, JNTUK	VSMCOE	2000
2018	Smt.R.chamundeswari	Indian Financial Market	VSMCOE	2000

2018	K V V S S Gunneswara Rao	SOLID STATE PHYSICS	VSMCOE	2000
2018	V.Tanuja	Good construction practices	VSMCOE	5000
2018	K.Saroja Rani	Good construction practices	VSMCOE	5000
2018	G.Prasad	Advnced in materials and manufacturing processes	VSMCOE	2000
2018	Smt.R.chamundes wari	KARVYA WORKSHOP	VSMCOE	1000
2019	A.Babji	One week FDP on Advances in CFD: Methods Applications using MAT Lab A nsysFluent,NITW	VSMCOE	10000
2019	P.Bhaskar Rao	Scilab Workshop organized by SIET, Cheyyeru.	VSMCOE	2000
2019	P.V.Ramireddy	Scilab Workshop organized by SIET, Cheyyeru.	VSMCOE	2000
2019	A.Babji	Scilab Workshop organized by SIET, Cheyyeru.	VSMCOE	2000
2019	A.Satish	Scilab Workshop organized by SIET, Cheyyeru.	VSMCOE	2000
2019	P.V.Ramireddy	FDP on Research methodology Statistical Analysis using SPSS,CMR College of Engg., Tech, Hyd	VSMCOE	5000
2019	V.Mahalakshmi	One day National workshop on innovations in materials and manufacturing, SRKR, Bhimavaram	VSMCOE	1000
2019	P.Bhaskar Rao	Two week Short Term Training Program on Problem Based Learning	VSMCOE	550

		(ICT03) conducted by NITTTR, Kolkata		
2019	P.V.Ramireddy	Two week Short Term Training Program on Problem Based Learning (ICT03) conducted by NITTTR, Kolkata	VSMCOE	550
2019	A.Satish	Two week Short Term Training Program on Problem Based Learning (ICT03) conducted by NITTTR, Kolkata	VSMCOE	550
2019	P.Krishna Chaitanya	Two week Short Term Training Program on Problem Based Learning (ICT03) conducted by NITTTR, Kolkata	VSMCOE	550
2019	P.Bhaskar Rao	Indian Society for Technical Education(ISTE)	VSMCOE	3540
2019	P.V.Ramireddy	Indian Society for Technical Education(ISTE)	VSMCOE	3540
2019	A.Satish	Indian Society for Technical Education(ISTE)	VSMCOE	3540
2019	P.Krishna Chaitanya	Indian Society for Technical Education(ISTE)	VSMCOE	3540
2019	V.Ravindra	Two week Short Term Training Program on Problem Based Learning (ICT03) conducted by NITTTR, Kolkata	VSMCOE	550
2019	G.V.K.S PRASAD	Indian Society for Technical Education(ISTE)	VSMCOE	3540
2019	Y.Apparao	Indian Society for Technical Education(ISTE)	VSMCOE	3540

2019	G.V.K.S PRASAD	EMBEDDED SYSTEMS ,SMART SENSORS FOR IOT APPLICATIONS	VSMCOE	1000
2019	G.V.K.S PRASAD	ASIC/FPGA DESIGN AND ITS APPLICATIONS	VSMCOE	1000
2019	A NARAYANA MURTHY	ASIC/FPGA DESIGN AND ITS APPLICATIONS	VSMCOE	1000
2019	N GAYATRI	ANALOG IC DESIGN HANDS ON PRACTICE USING CADENCE DESIGN FLOW	VSMCOE	1000
2019	P.N S S R DEEPIKA	ANALOG IC DESIGN HANDS ON PRACTICE USING CADENCE DESIGN FLOW	VSMCOE	1000
2019	Y DAVID PRAKSH	FACULTY DEVELOPMET PROGRAM ON FUZZY LOGIC AND NURAL NETWORKS	VSMCOE	1000
2019	G.V.K.S PRASAD	Short term training program through ICT mode on Measurement and control for industrial automation	VSMCOE	1500
2019	Y DAVID PRAKSH	Short term training program through ICT mode on Measurement and control for industrial automation	VSMCOE	1000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	How to write		03/10/2018	03/10/2018	55	0

	Technical Research Paper					
2018	Two day FDP on CNC -Lathe Machine		26/10/2018	27/10/2018	32	0
2018	Two day FDP on OCTAVE		26/11/2018	27/11/2018	25	0
2018	PHP		14/05/2018	16/05/2018	14	0
2018	ANDRIOD		21/05/2018	23/05/2018	14	0
2018	Threedays workshop on Review on mathematics usage in signals and systems		08/11/2018	10/11/2018	32	0
2018	FDP on basics of VLSI design using TENOR EDA tools		01/11/2018	01/11/2018	20	0
2018	FDP on Total Station		29/10/2018	30/10/2018	7	0
2018	MACHINES PROTECTION		19/09/2018	19/09/2018	12	0
2018	MSOFFICE TOOLS	MSOFFICE TOOLS	24/09/2018	25/09/2018	60	14
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
One week FDP on Advances in CFD: Methods Applications using MAT Lab A nsysFluent, NITW	1	06/05/2019	11/05/2019	7
Scilab Workshop organized by SIET, Cheyyeru.	4	05/04/2019	05/04/2019	1
FDP on Research	1	23/04/2019	23/04/2019	1

methodology Statistical Analysis using SPSS,CMR College of Engg., Tech, Hyd				
One day National workshop on innovations in materials and manufacturing, SRKR, Bhimavaram	1	03/01/2019	03/01/2019	1
Two week Short Term Training Program on Problem Based Learning (ICT03) conducted by NITTTR, Kolkata	4	20/05/2019	01/06/2019	12
POWER CONVERTER DESIGN	1	27/05/2019	31/05/2019	5
One Day National level workshop on fuel cell techn ologyopportunit ies chalenges	9	29/09/2018	29/09/2018	1
INTRODUCTION TO ARTIFICIAL INTELLIGENCE	1	06/05/2019	10/05/2019	5
IMPROVING TEACHING SKILLS IN NETWORK ANALYSIS	6	29/10/2018	02/11/2018	5
MEASUREMENT AND CONTROL FOR INDUSTRIAL AUTO MATION,NITTTR	1	11/03/2019	15/03/2019	5
EMBEDDED SYSTEMS ,SMART SENSORS FOR IOT APPLYCATIONS	1	27/05/2019	27/05/2019	1
ASIC/FPGA DESIGN AND ITS APLLICATIONS	2	22/04/2019	27/04/2019	6
ANALOG IC DESIGNHANDS ON PRACTICE USING CADECE DESIGN FLOW	2	22/04/2019	24/04/2019	3

FACULTY DEVELOPMENT PROGRAM ON FUZZY LOGIC AND NURAL NETWORKS	1	01/02/2019	30/04/2019	72
Short term training program through ICT mode on Measurement and control for industrial auto machine	3	11/03/2019	15/03/2019	5
FACULTY DEVELOPMENT PROGRAM ON EMBEDDED SYSTEMS	1	01/02/2019	30/04/2019	72
INFORMATION THEORY ,CODING AND CRYPTOGRPAHY	1	02/07/2018	31/10/2018	72
Industrial Inorganic Chemistry	1	02/01/2019	30/04/2019	72
RESEARCH METHODOLOGY STATISTICAL ANALYSIS USING SPSS	1	23/04/2019	26/04/2019	4
SOLID STATE PHYSICS	1	02/07/2018	31/10/2018	72
Good construction practices	2	01/10/2018	02/10/2018	2
Problem based learning	5	20/05/2019	31/05/2019	11
Anaylsis and design of shllow foundations	6	26/08/2019	30/08/2019	5
Advnced in materials and manufacturing processes	1	29/10/2018	03/11/2018	6
FACULTY DEVELOPMENT PROGRAM ON SWITCHING THEORY AND LOGIC DESIGN	5	02/07/2018	31/10/2018	72

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
21	21	6	6

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Insurance, PF, Society Loan.	Insurance, PF, Society Loan	Insurance, Earn while you Learn.

6.4 – Financial Management and Resource Mobilization

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

? Internal audit is done mainly to monitor and evaluate the effectiveness and efficiency of the college internal control environment and processes. ? It also helps the college in operational improvement and audit co ordination. ? By internal audit, the management will have full, free, and unrestricted access to all activities, records, property and personnel under the purview of the management. ? Internal audit reports with findings, recommendations and management are forwarded to the president of management to review and ensure the audit findings are resolved in a timely and effective manner. ? The internal auditors verify and certify the entire Income and expenditure and the capital expenditure of the institute each year. ? Qualified internal auditors from external resources have been permanently appointed and a team of staff under them do a thorough check and verification of all vouchers of the transactions and are carried out in each financial year. Likewise an external audit is also carried out on an elaborate way on quarterly basis. The institutional accounts are audited regularly by both internal and external audits. So far there have been no major findings/objections minor errors of omissions and commission when pointed out by the audit team are immediately corrected rectified and precautionary steps are taken to avoid recurrent of such errors in future. The college regular follows both the audits.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Management	9339525	institution development ,ICT, RD ,Welfare and other extra curricular activities
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6.4.3 – Total corpus fund generated

3500000

6.5 – Internal Quality Assurance System

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

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

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

Feed back from parents. Financial support for students in the form of prizes and incentives. Participation in college committees.

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

Empowering on ICT tools, computer education, automation of library and other office management. Orientation in record maintenance, Lab Maintenance, File movement and Efile management. Recreational programs on Games and sports, Yoga and meditation and Invite talks for stress management.

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

Establishment of IIC (Innovation Incubation Cell) and EDC (Entrepreneurship Development Cell). Strengthening of Eclass Rooms and EResources. Participation of students more outreach programs. Automation of Library. Constitution of college committees for decentralization and participative governance.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	To allot seed money for departments to conduct industrial visits, conduct of department activity.	22/06/2018	22/06/2018	22/06/2018	32
2018	To conduct a workshop on OBE, STL methodology for engineering faculty to be organised by IQAC.	22/06/2018	22/06/2018	22/06/2018	32
2018	Development of LMS to facilitate student centric learning and its advantages for	22/06/2018	22/06/2018	22/06/2018	32

	continuous student learning				
2018	procurement of software and equipment for English language laboratory.	09/10/2018	09/10/2018	09/10/2018	32
2018	Developing software for IMS (Issue Management System) for effective governance,	09/10/2018	09/10/2018	09/10/2018	32
2018	Allotment Budget for maintenance of physical infrastructure, Campus maintenance and maintenance of equipment in labs constitution of committee.	09/10/2018	09/10/2018	09/10/2018	32
2019	Development of software to institutional E Governance need of integration.	19/02/2019	19/02/2019	19/02/2019	32
2019	Conduct of internal and external financial audits.	19/02/2019	19/02/2019	19/02/2019	32
2019	Awards and encouragements for faculty and students.	19/02/2019	19/02/2019	19/02/2019	32
2019	institution of free ships to selected students.	19/02/2019	19/02/2019	19/02/2019	32

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
National Girls Day Celebrations	24/01/2019	24/01/2019	6	5
Kishori Vikasam Phase -2	25/01/2019	19/03/2019	143	77
Women's day celebrations	05/03/2019	08/03/2019	40	20
Anti Drug Day	26/06/2019	26/06/2019	0	101
Awareness Program On FEMALE foetus birth and significance of women and her mighty from mithological histoty	10/12/2018	10/12/2018	100	0

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

Percentage of power requirement of the University met by the renewable energy sources

Percentage of power requirement of the university met by the renewable energy sources: 1. The percentage of power requirement of the college met by the renewable energy sources is 86.59. 2. Installed a solar power plant of 150 KW to meet all the energy requirements of the institution. 3. During night time the campus lightening is provided with solar panels.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	0	15/07/2018	1	Siva Shakthi Soap Works, Kakinada	PLC Machine Operation	50
2018	0	1	23/07/2018	222	Awareness On Mobile Phones, Career Guidance	What to use and what not to use in mobile phones	40

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

Title	Date of publication	Follow up(max 100 words)
HR Policy	19/02/2018	Discipline, Decorum Code of Conduct a) Employees must adhere to the following guidelines 1. Identity Card 1. VSM College Of Engineering shall issue Identity Cards to all eligible employees. 2. Wearing Identity card is compulsory in Institute premises, on duty in a manner that it is visible. 3. This Identity card shall also facilitate entry at customers? and vendors? place, in some restricted areas etc. 4. Employees must return their Identity card at the time of learning from the Institute permanently. 5. It is expected from employees to take proper care of the ID card including its safe preservation. 6. This Identity card is the property of VSM College Of Engineering and shall be surrendered immediately when demanded by the Management of VSM College of Engineering.

7. It is expected that employees do not misuse the Identity card in any manner. 2. Reporting: ? Daily, Weekly and Monthly reporting (telephonic, email, personal) must be done to the Reporting Authority as per Process / Instructions given by the Management. ? It is compulsory to attend meeting called by the Management as per mentioned schedule. 3. Employee must inform the Principal in case of change of address, addition in their qualifications, changes in important personal information such as receipt of PAN card, Passport etc. has been changed or issued. If the new address has not been informed to the Principal , then all the official communication will be at the last address of an employee as per the Institute records. 4. Employee must handle Institute equipments carefully. 5. Employee must switch off computers?, Monitors, unwanted lights and electricity operated appliances before leaving Institute premises or while attending lectures and practicals in Institute, in meeting, during lunch etc. 6. Employee must remember that cell phone are not allowed in the Institute premises, so as not to disturb others. 8. Employee must focus on their work while they are on the institute premises. 9. It is expected from the employee to complete their day?s work before leaving at the end of

day. 10. Employees must refrain (Not to do) from the following

1. Usage of screen savers and / or backgrounds on computers, other than standard windows screensavers / backgrounds or background released by the management.
2. Speaking in a language not understood by others, while on Institute duty which look offending to others.
3. Making / having long personal conversation on telephone / mobile etc. during Office hours.
4. Usage of Internet for requirements not pertaining to job during the Office hours.
5. Smoking, gambling or consuming alcohol or tobacco or pan masala, chewing gum in any form while at work or anywhere in the Institute premises or on official duty.
6. Leaving Institute premises for smoking / Tea / chewing tobacco etc. and remaining absent during working hours.
7. Usage of Institute property for personal requirement.
8. Accessing personal emails / personal chatting during official work hours.
9. Usage of absurd ring tones / SMS tones / caller tune on mobile phones leading to disturbance in the Institute
10. Viewing / storing / collecting / distributing / receiving pornographic material in any of Institute premises, at VSM College Of Engineering .?s customer?s Premise and on duty in any form and in any storing devices such as Institute provided desktops, laptops, any kind of Discs, pen drive,

mobile phones etc. 11.

Storing personal materials such as personal photos, personal backups, songs, PC Suites of your mobile phone devices, configuring personal email IDs in outlook etc. on any of the Institute's devices.

If the staff feels necessary to upload such personal material on Institute devices, he / she must obtain the approval in writing from the Management. B) Code of Conduct 1. Employee must follow processes identified by the

Management from time to time so as to improve working of VSM College Of Engineering 2. Employee shall not commit theft, fraud, misappropriation or dishonesty in connection with VSM College Of Engineering's business or property. 3.

Employee shall not interfere with any other employee's work disturb him/her or cause annoyance to him/her at work. 4. Employee shall not disturb the peaceful atmosphere in VSM College

Of Engineering by demonstrating, shouting and loud talk or indulge in any act, which is prejudicial to the peaceful working of VSM College Of Engineering 5.

Employee shall not indulge in any quarrel, abusive language, fight or violence or any other disorderly and/or indecent and/or riotous behaviour on any of the premises of VSM College Of Engineering 6.

Employee shall not distribute or forward any e Mails, notice(s), leaflet(s) or material,

which is detrimental to the smooth functioning of VSM College Of Engineering 7. Employee shall not make collection of money for any purpose other than VSM College Of Engineering's official purpose without prior written approval from VSM College Of Engineering Management. 8. Employee shall not tamper or disfigure or damage any property, records, notice etc. of VSM College Of Engineering by writing or otherwise. 9. Every employee shall show due consideration, courtesy and attention towards all other employees, customers, suppliers and associates of VSM College Of Engineering 10. Employee shall not use Institute address for personal correspondence other than approved by the Management on receipt of appropriate justification and application in writing. 11. Employee shall not misuse or damage phone calls, cash, Internet, software applications, Telephone, Appliance, Stationeries, Machine, papers, any raw material, Property etc. of VSM College Of Engineering and its customers, Vendors, faculty of other colleges etc. 12. Employee must share the knowledge with their colleagues during academic discussions / official programmes etc. 13. Employee shall not make unauthorized copy of any software or any copyrighted material. 14. Employee must maintain professional relationship with persons / employee of VSM College Of

Engineering and its customers, vendors etc. during Institute duty.

15. No Employee take photocopy (Xerox) / scan / Photograph any official documents of VSM College Of Engineering and its customers, Vendors etc.

present in Institute premises their respective Institute premises or belonging them without taking necessary approval from the concerned authority in case of need of such document(s).

16. Any work assigned to Employees strictly need to adhere to time stipulated.

17. It is mandatory to submit various documents such as Address proof,

Residential proof,

Professional and educational certificates etc. as and when required by the Management or o/o Principal.

12 Dress Code
1. As a member of the VSM College Of Engineering family, each employee is expected to present in a professional appearance at all times. All men are expected to wear Business

Casuals i.e. Formal Trousers, Shirt, and Smart Formal Polished Shoes.

2. While the range of ladies' business attire is broader, they must maintain comparable standards i.e. Sari,

SalwaarKameez, Formal Shirt Trousers.

For Teaching staff: Sari, SalwaarKameez
3. Employee can wear Smart Casual wear including Smart

Indian Traditional wear on Saturday.
4. Decent pair of shoes and formal pair of socks is a

necessity for all employees on all working days.
5. Male employees

are expected to come to the Institute having decent shave on each day.

? Communication Protocol

1. The official language of communication shall be English/ Telugu if necessary.

2. All the Email communications shall be done on VSM College Of Engineerings official IDs.

3. Employee must check their Emails at least once in a day and reply to necessary mail immediately.

4. Employee must communicate with all the colleagues and students with due respect.

? Nondisclosure

? The Employee shall at all times maintain strict confidentiality and secrecy in respect of all the Confidential Information that he/she may acquire or possess in any manner during the course of his/her employment with VSM College Of Engineering and he/she shall not either directly or indirectly use, reveal, copy, duplicate, reproduce, record, distribute, disclose, take photograph in premises of INSTITUTE and its ASSOCIATES or allow to be divulged or disclosed such Confidential Information in whole or in part belonging to INSTITUTE and its ASSOICATES, in any form viz. verbal, written, digital, print, electronic, physical etc. to any THIRD PARTY save and except for the purpose of his/her employment with VSM College Of Engineering by and under the instructions and after seeking written approval from authorized person of

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Christmas celebration	24/12/2018	24/12/2018	240
Gandhi Jayanthi	02/10/2018	02/10/2018	180
Teachers Day	05/09/2018	05/09/2018	220
Engineers Day	15/09/2018	15/09/2018	150
Celebration of Independence Day	15/08/2018	15/08/2018	200
Celebration of Republic Day	26/01/2019	26/01/2019	200
Celebration of College Founder Day	06/11/2018	06/11/2018	300

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

1. The college has been entrenched with a large number of trees and plants which can reduce carbon dioxide in the college campus. 2. LED lights are introduced 3. The rain water is diverted into sink pits within the campus which contributes to rising of ground water level. 4. Introduced Solar street lights. 5. The college observes 'World Environment Day' by organizing plantation programs and talk on 'the importance of preserving an ecofriendly atmosphere'. 6. Cleaning the campus i.e., Swatch Bharath is organized by NSS Units. 7. NSS unit collects waste and used papers and books in coordination with IRDA which will be distributed to children studying in government schools. 8. Metal and paper wastes are deposited of to recyclers. 9. We have separate contracts for disposal of Hazardous material such as Ewaste, bulbs/tube light, Old batteries, etc., vendors are approved by Andhra Pradesh pollution control board. 10. Drip irrigation and sprinklers for watering the garden and campus plants. 11. Solid waste

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE – I: MENTOR AND MENTEE SYSTEM Objectives: The Principal objectives of introducing the mentor and mentee system are: o To monitor the students Performance, Identifying strengths, offering emotional support and specific suggestions to improve the students in all aspects. o It also aims to implant good habits, behaviors and human values among the students. o To direct the students to achieve intended goals. Context: o Most of the students of this institution are from a rural background and are even first generation literates in their families. o Many of the students lack literal support and guidance at home. o The students rely on advice/ suggestions of a teacher, especially when personal care is offered. Preparation by Mentors: The mentors study the following particulars of a student to assist the student effectively: o Student's Background: a. Achievements In The Past b. Hobbies c. Strengths and Weaknesses d. Goals for future, etc., o Family Background: The college Procures Details of the family members of the student, their qualifications and occupations. Financial Status of the family The Practice: The college has an effective and automated Student Information System for recording students' attendance as well as performance in the internal Exams conducted in each semester. o The teacher takes students attendance in every class during the first five minutes it enables the head of the department to monitor the students' presence in each period of the day. o The class incharges consolidate

monthly attendance of the students and inform to the parents. The following measures are being taken for improvement of the attendance of the students: o The concerned teacher enquires and counsels the student if he is absent for two continuous classes. She/he is directed to HOD for necessary action. o The HOD persuades the student if he is absent continuously for more than one week and informs the parents about his irregularity. o The HOD calls the parents if he is absent continuously for more than two weeks, enquires the reason and advises them to make sure of their child's regular attendance. o The HOD forwards the details of a student to the Principal for further action if he is absent continuously even after informing his parents. o Every student is encouraged to participate in the events conducted on campus or other colleges. It initiates personal and professional development.

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

<https://www.vsm.edu.in/sss/bp.pdf>

7.3 – Institutional Distinctiveness

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

The vision of the institution focuses on 3 aspects essentially value based education, Innovation and social contributions. The institute has established a distinctive approach towards this comprehensive vision by working on the upliftment of the academic quality of the students of this region our priority has been in reaching out to the backward areas of the region and counsels the students for achieving higher education, thus enabling the process of developing the society and the nation at large. The first step towards achieving this goal was to maintain the infrastructure and manage the campus for our stakeholders, the stakeholders were encouraged to participate in lifelong learning through industry and academic interactions. The institution also organizes socially relevant programmers to benefit the neighbourhood communities / adopted villages. a) Infrastructural Relevance : The institution has made great efforts in maintaining the infrastructure from the beginning and has not hesitated in expanding as the need arises. VSM COE is noted for upkeeping the infrastructural facilities especially in laboratories for more practical training of students. b) Lifelong learning : The institution has been giving Quality education to the students which have come in hand for them to show - out their talents in various technical tests. Students are also promoted and given support to do - in house projects. C) Social connect : The institution situated in rural area has done its part in the development of local communities. The various programmers conducted by the institution has promoted the people in the region towards education and the need for the same. The institution also gives awareness to the inhabitants nearby a bout the engineering aspects of life and how to lead a better life. The institute has established its distinctive approach also in the following aspects. 1. counseling the students towards progression . 2. campus recruitment training. 3. Mandatory internships for III ,IV year students . 4. Free ships, concession by the management. 5. In house workshops for empowering students on basic technical modules.

Provide the weblink of the institution

<https://www.vsm.edu.in/sss/id.pdf>

8.Future Plans of Actions for Next Academic Year

FUTURE PLAN OF ACTION FOR NEXT ACADEMIC YEAR (20192020) ? Faculty members will be motivated to publish research papers (Inter - Disciplinary Area) ? Participation of students in national academic workshops / seminars. ? Train the

students in upcoming technologies to meet industry expectation. ? Get more funded projects from funding agencies ? Conduct Deptl activities by renowned Alumni, professional bodies, institutes, MOU industries etc. ? Strengthening industry institute interaction by conducting various events like , invited talks, industrial visits, workshops , FDP's, internships, Endowment prizes , placements Training the students, financial support to academically high achievers by way of scholarship etc. ? Automation of Library and enrich with all e - resource materials. ? Students will be motivated to involve in social relevant projects and activities. ? Inculcating environmental awareness, organizing programmers on life skills, student's empowerment, and entrepreneurship development programmers etc. ? To strengthen the activities of innovation incubation cell and to encourage start ups. ? Enhancing ICT enabled equipment for effective Teaching Learning process.