Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE**
Name of the head of the Institution	**Dr. V.S.K. Venkatachalapathy**
Designation	**Director**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**0413-2642000**
Mobile no.	**9843611886**
Registered Email	**smvec@smvec.ac.in**
Alternate Email	**vskvenkatachalapathy@yahoo.com**
Address	**Madagadipet, puducherry**
City/Town	**Puducherry**
State/UT	**Puducherry**
Pincode	**605107**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. S. Anbumalar**
Phone no/Alternate Phone no.	**04132642000**
Mobile no.	**9443179533**
Registered Email	**vskvenkatachalapathy@smvec.ac.in**
Alternate Email	**iqac@smvec.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://smvec.ac.in/wp-content/Files/accreditation/naac/aqar/AQAR_2018-19.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://smvec.ac.in/wp-content/Files/Hometitle/EvenSem_Calender_2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Validity Period To
2	**A**	**3.03**	**2019**	**28-Mar-2019**	**27-Mar-2024**
1	**A**	**3.14**	**2013**	**05-Jan-2013**	**04-Jan-2018**

6. Date of Establishment of IQAC

15-Mar-2013

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		

No Data Entered/Not Applicable!!!

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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Mr.K.Thangaraj	Texas Instruments in collaboration with Department of Science and Technology (DST), New Delhi	Department of Science and Technology (DST)	2019 250	725000
Dr.K.Velmurugan	MODROB	AICTE	2020 365	1122824
Dr.V.S.K. Venkatachalapthy	Skill and Personality Development Program center for SC/ST students	AICTE	2020 365	2489000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View Link
10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View Uploaded File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

• Received Autonomous Status from UGC • Received ATAL Ranking in Band B (Rank between 26th to 50th) • Funds Received from AICTE through AICTE Quality Improvement Schemes (AQIS) for conducting various programs such as SPDC and MODROB. • Participated in AICTE CII Survey of Industry Linked Technical Institutes and received silver award • Received the best academic partner award from ICTACT, Pondicherry • Received best performing award from MHRD INNOVATION CELL • Received India Education Excellence award from BERKSHIRE MEDIA Pvt.Ltd, Bangalore

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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
To introduce new courses	The following new B.Tech programmes are introduced in the field of Biomedical Engineering and Mechatronics Engineering
To conduct Innovators day(National level project contest) to enrich and flourish quality culture	Innovators day conducted on September 15th 2019
To conduct domain specification training towards recent technologies	• Two days national conference was conducted on the title "Digital Security" on 26th and 27th July 2019 • Training on selenium,.NET, android studio tools were given to students • Microcontrollers, IOT, Core & Advanced Java training were given for faculties and students
To increase number of FDP, Value Added Courses, Guest Lecture/Seminar, Certificate courses etc.,	• 35 FDPs were conducted in the academic year 2019-2020 • 109 certificate courses were conducted in the college by various departments. • 58 guest lectures were conducted • 108 Value Added courses were conducted by various departments.
To improve the research culture, proposals are planned to submit to MSME / TBI / IEI, AICTE, ISTE and any other private organization etc.	• No. of projects proposal submitted in IICDC: 72 • Total number of sponsored projects: 36 • Total number of funding Agencies: 33 • Total number of consultancy projects: 36
To prepare the AQAR report	AQAR report was submitted for the academic year 2019-2020.
Planned to Encourage the students to participate in the various State/National level events organized by government / nongovernment organizations to exhibit their qualities.	• Winner of project contest SRISHTI 2019 with cash award of Rs.1,12,000 • Winner of inframind 2019 with the cash award of Rs.2 lakhs conducted by TCS • Second prize in Unisys cloud 20/20 with cash prize of Rs 1.25 lakhs • Winner in robotic competition with more than Rs.5.32 lakhs cash prize

14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Body	**10-Sep-2020**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**20-Dec-2019**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2020**
Date of Submission	**21-May-2020**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**• Online admission Enquiry: Admission Enquiry is online. Selection of candidates is done based on an index factor calculated by the respective departments this is on the basis of merit. Data required by the University are sent online based on the information drawn from the application forms. All relevant information regarding the college, notices and announcements are uploaded on the website. Fees are also paid online. Finance Accounting MISTransaction with the bank is conducted online. Ledger records are maintained electronically through Tally. Students evaluate teachers online through feedback form and outcome are evaluated, analyzed and computed. Software is developed by Sri Mankula Vinayagar software solutions with following modules. • Human Resource management: Consist of employees details such as personal information, leave details, achievements, salary details etc., • Students management suite: Provides student admission details, attendance, internal and university marks, SMS**

| | facility to inform the parents about their ward, fee payment, use of Transport facility etc. • Stock maintenance suite: This module provides an eversion of the stock register of the entire inventory. All the purchase and other transactions are made through this module. |

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

Sri Manakula Vinayagar Engineering College, being an affiliated institute follows the curriculum defined by Pondicherry University. At the outset, the Director cum Principal of the college conducts meetings with the various Head of Departments to develop strategies for effective implementation of the curriculum. While revision and up-gradation of the syllabi are done at the university level, the department has a mechanism for effective, documented curriculum delivery. Every faculty is provided access to high-speed internet, access to online resources such as IEEE, NPTEL videos, Coursera, etc to enable faculty to enrich the content of teaching. A campus-wide intranet assists dissemination of information and materials. All the classrooms are equipped with a laptop, LCD projector, and screen beside the conventional blackboards. Faculties are encouraged to plan to impart the curriculum following OBE (Outcome Based Education) through innovative teaching methods such as Presentations, Assignments, Discussions, Workshops, Seminars, and Industrial visits besides the regular/traditional chalk and talk methods. A college academic calendar is prepared and a specific department calendar of Events is derived well in advance before the commencement of the semester. It consists of the activities planned for the semester which includes schedules for Internal Examinations, Guest lectures, Conferences, Workshops, Industrial visits, Value added courses, Innovators day, Annual day celebration, Student feedback collection, Project review, Syllabus completion, and Quality Circle Meeting. During the Orientation program, the first-year students of the college are well instructed about the curriculum and its delivery. During the semester, the faculty members strictly follow the lesson plan laid out for each course and is also verified by the Head of the Department periodically. The Institution conducts an academic audit of attendance registers, internal exams, question papers, and evaluation process. There is a defined mechanism to conduct remedial and enrichment programs. While remedial classes are typically conducted after the regular college hours, enrichment programs, for instance, value-added courses, guidance and mentoring, etc. are inter-weaved throughout the semester for students. 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. College establishes MOUs with various industries and institutions. The interaction with the research bodies and Industry happens through guest lectures, industrial visits, tours, and internships during vacation. Some of these lead to projects for students in their final semester. Guest lectures from industry and research laboratories give inputs about the current trends in the industry. During the conferences that are organized by departments, there is a confluence of industrialists and scientists from reputed research organizations. Inputs from these sources are formally documented and put

forward to the faculty who are members of the specific Board of Studies. Some of the faculty members of the college are members of the Boards of Studies (BOS) in various disciplines and also the Academic council of the University. They actively collect inputs from the Industrialists, Research Scientists, and Alumni, collate them and make suitable recommendations to the BOS for incorporation/modification in the curriculum.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Cloud Computing	-	05/08/2019	30	Employabil ity	To know about cloud
Social networks	-	12/08/2019	10	Employabil ity	Projects related to Social networks
Introduction to Automata, Languages and Computation	-	06/01/2020	30	Employabil ity	To improve skills on problem solving techniques
Social Media Marketing	-	11/02/2020	3	Employabil ity	Skill development
AutoCAD software	-	05/08/2019	5	Employabil ity	To improve the Drafting skills
Google Sketchup	-	09/09/2019	5	Employabil ity	To improve the Drafting skills
Programming in C	-	16/07/2019	5	Employabil ity	Programming skills
Android Mobile App Development	-	02/03/2020	5	Entreprene urship	Android APPs developing Skills
Internet of Things	-	20/01/2020	15	Employabil ity	To implement project on IOT
AWS Cloud Practioner	-	10/02/2020	5	Employabil ity	To know about cloud and Internet Servers
Machine Learning with Python	-	15/04/2020	6	Employabil ity	Programming skills
Data Science with Python	-	30/04/2020	6	Employabil ity	Programming skills

Course		Date	Duration	Focus	Skill/Outcome
Machine Learning	–	01/02/2020	20	Employability	Core Skill
Material Science and Engineering	–	07/01/2020	12	Employability	Different crystal structures
IC Engines and Gas Turbines	–	16/12/2019	12	Employability	Alternate fuels selection
Concepts of Thermodynamics	–	16/12/2019	12	Employability	Application of 1st law of thermodynamics
Data Base Management System	–	29/07/2019	30	Employability	Data Management
Ethical Hacking	–	29/07/2019	30	Employability	Data Security
Fundamentals of electronic device fabrication	–	29/07/2019	20	Employability	Semiconductor Technology
Introduction to Internet of Things	–	29/07/2019	20	Entrepreneurship	Sensors and interfacing based on applications
Op Amp Practical Applications Design Simulation and Implementation	–	29/07/2019	20	Entrepreneurship	Design mathematical and filter circuits using op-amp
Problem Solving through Programming in C	–	29/07/2019	20	Employability	Algorithm and Programming knowledge
Programming In Java	–	29/07/2019	12	Employability	Algorithm and Programming knowledge
Kinematics of Mechanisms and Machines	–	03/02/2020	24	Employability	Various mechanisms in KOM
Laws of thermodynamics	–	03/02/2020	24	Employability	Familiarity on laws of thermodynamic

					s
Manufacturing Process Technology	–	16/12/2019	12	Employability	Basics in casting process
Introduction To Composites	–	07/01/2020	24	Employability	Fiber selection
Engineering Metrology	–	08/07/2019	24	Employability	Linear measurements
Principles of Casting Technology	–	05/08/2019	20	Employability	Different types of casting
Teaching And Learning in Engineering (TALE)	–	07/01/2020	20	Employability	Teaching/Learning method
NodeJS	–	16/07/2019	5	Employability	Programming skills
Testing Strategies	–	10/08/2019	24	Employability	Testing Skills
Artificial Intelligence	–	16/09/2019	24	Employability	Programming skills
BlockChain	–	24/06/2020	6	Employability	Logical skills
Robotics	–	16/09/2019	24	Employability	Programming skills
Mobile Phone Troubleshooting	–	20/01/2020	24	Entrepreneurship	Troubleshooting the Smart Phones
Programming, Data Structures And Algorithms Using Python	–	29/07/2019	12	Employability	Sorting and Searching algorithms
CCNA Fundamentals	–	22/07/2019	10	Employability	To know about networks
Python Programming	–	22/07/2019	10	Employability	To improve programming skills
Open source Tool on Testing	–	27/08/2019	2	Employability	To study about open source tool

Programming In C	–	09/07/2019	24	Employability	To improve programming skills
Data Base Management System	–	09/07/2019	30	Employability	To design a database
Stress Management	–	29/07/2019	12	Entrepreneurship	Attitude Development
Data Engineering with Google Cloud	–	10/02/2020	12	Employability	Algorithm and Programming knowledge
AR Bootcamp	–	02/03/2020	5	Employability	Android APPs developing Skills
GUI using Python	–	24/06/2019	6	Entrepreneurship	Programming skills
Introduction to Internet of Things	–	20/01/2020	30	Employability	To implement project on IOT
Programming in JAVA	–	26/12/2019	2	Employability	Programming skills
Introduction to Internet of Things	–	08/01/2020	2	Employability	Analysis Skill
Domestic wiring and industrial wiring	–	22/01/2020	2	Employability	Analysis Skill
Microprocessors and Microcontrollers	–	29/01/2020	2	Employability	Coding Skill
Electronic Modules for Industrial Applications using Op-Amps	–	05/02/2020	2	Employability	Analysis Skill
Multisim	–	12/02/2020	2	Employability	Analysis Skill
Panel board wiring	–	19/02/2020	2	Employability	Analysis Skill
Non-Conventional Energy Resources	–	19/02/2020	2	Employability	Analysis Skill

Mastering the Concepts of Digital Circuit Design	–	24/06/2019	30	Employability	Designing digital circuits using combinational and sequential logic
Complete Electronic Circuit Theory Design Course	–	24/06/2019	30	Employability	Analyse the electrical circuits and perform basic electrical measurements
Microprocessor and Microcontroller Online Course	–	24/06/2019	30	Entrepreneurship	Assembly language and Device interfacing
Computer Networks – A Beginner's Guide	–	24/06/2019	30	Employability	Physical network interfacing
IoT – Internetworking with Arduino	–	24/06/2019	30	Entrepreneurship	Sensors and interfacing based on applications
Advanced Logic Design – The Easiest Way of Learning	–	30/12/2019	30	Employability	Design advanced combinational and sequential circuits
Signals and Systems	–	30/12/2019	30	Employability	Analyze analog and digital signals
Learn Advanced Python Programming	–	30/12/2019	30	Entrepreneurship	Algorithm and Programming knowledge
Digital System and Logic Design with Verilog HDL	–	30/12/2019	30	Employability	Hardware description language
Android Online Course – Become an App Developer	–	30/12/2019	30	Entrepreneurship	App development for projects

Name		Date	Duration	Focus	Outcome
Basic Electric Circuits	–	29/07/2019	30	Employability	Analysis of DC and AC circuits used in electrical and electronic devices
Cloud Computing	–	29/07/2019	20	Employability	Data Management
Machine Learning, ML	–	20/01/2020	30	Employability	Able to learn about algorithms and project purposes
Data Science for Engineers	–	03/02/2020	24	Employability	Able to understand data and processing of data
Privacy and Security in Online Social Media	–	03/02/2020	36	Employability	Projects related to Social media
Android Mobile App Development	–	02/03/2020	5	Employability	To do project in androids
AWS Cloud Practioner	–	10/02/2020	5	Employability	To know about cloud
Basics of Java Programming	–	03/02/2020	10	Employability	To improve programming skills
Introduction to Internet of Things	–	14/08/2019	30	Employability	Core Skill
Non-Conventional Energy Resources	–	01/02/2020	30	Employability	Analysis Skill
Artificial Intelligence	–	01/02/2020	24	Employability	Core Skill
Problem solving through Programming In C	–	01/02/2020	12	Employability	Programming Skill
Python Programming	–	31/01/2020	5	Employability	Programming Skill
Java Programming	–	01/02/2020	5	Employability	Programming

		Skill

Name		Date		Type	Skill
Cloud Computing	–	01/02/2020	15	Employability	Programming Skill
Data Engineering, Big Data, and Machine Learning on GCP	–	22/02/2020	12	Employability	Algorithm and Programming knowledge
Data Structure and Algorithms using Java	–	14/02/2020	12	Employability	Algorithm and Programming knowledge
Data structures	–	16/02/2020	15	Employability	Sorting and Searching algorithms
Fundamentals of Welding Science and Technology	–	03/02/2020	24	Employability	Types of welding
Product Design and Development	–	03/02/2020	24	Employability	Design for assembly
Machine Learning, ML	–	08/07/2019	5	Employability	Able to learn about algorithms and project purposes
Privacy and Security	–	19/08/2019	5	Employability	Programming
Recent trends in IoT	–	09/09/2019	5	Employability	To implement project on IOT
Data science with R tool	–	23/09/2019	6	Employability	Able to understand data and processing of data
Data Structures Using Python	–	03/10/2019	5	Employability	Programming Skills
Business Communication Skills	–	09/09/2019	5	Employability	Skill development
Strategic Management and	–	24/09/2019	4	Employability	Skill development

Name		Date	Number	Category	Objective
Innovation					
Six Sigma in Practice	–	14/10/2019	5	Employability	Skill development
Business Analytics	–	06/01/2020	5	Employability	Skill development
Entrepreneurship basics	–	27/01/2020	2	Employability	Skill development
Principles of Human Resource Management	–	07/01/2020	25	Employability	Exposure on Effective utilization of men, machine and material
Inspection and quality control in manufacturing	–	03/02/2020	24	Employability	NDT testings
Robotics	–	07/01/2020	30	Employability	Pick and place robot
Automatic Control	–	03/02/2020	24	Employability	Automatic control real time application
Introduction to Internet of Things	–	03/02/2020	24	Employability	IOT basics
AutoCAD software	–	29/07/2019	5	Employability	To improve the Drafting skills
Staad Pro Software	–	19/08/2019	5	Employability	To improve the Analytical skills
C Programme	–	23/12/2019	5	Employability	To improve Programming skills
Revit Architecture	–	06/01/2020	3	Employability	To improve Programming skills
Arduino	–	20/01/2020	2	Employability	To learn the techincal skill in Circuits
C Programme	–	22/01/2020	4	Employability	To improve Programming skills
Total Station	–	03/02/2020	2	Employability	To learn the

Course		Date	Duration	Type	Outcome
					techincal skill in Surveying
RCC Steel Design	–	12/02/2020	3	Employability	To improve Programming skills
Programming in C	–	07/09/2020	2	Employability	Programming skills
Basic Mathematics	–	09/09/2019	2	Employability	Analytical skills
Universal human value Ethics	–	12/09/2019	2	Employability	soft skills
Professional Ethics	–	17/09/2019	2	Employability	soft skills
Android Mobile App Development	–	24/06/2019	5	Employability	Programming Skill
Machine Learning, ML	–	08/07/2019	5	Employability	Able to learn about algorithms and project purposes
Privacy and Security	–	19/08/2019	5	Employability	Programming
Recent trends in IoT	–	09/09/2019	5	Employability	To implement project on IOT
Data science with R tool	–	23/09/2019	5	Employability	Able to understand data and processing of data
Data Structures Using Python	–	03/10/2019	5	Employability	Programming Skills
Cloud Computing	–	19/07/2019	2	Employability	Programming skills
PSpice software	–	12/07/2019	2	Employability	Technical skills
Applied Electronics for Engineers	–	26/07/2019	2	Employability	Technical skills
Advanced Python Programming	–	10/07/2019	2	Employability	Programming skills

Programme/Course		Programme Specialization	Dates of Introduction		
Android Online Course – Become an App Developer	–	17/07/2019	2	Entrepreneurship	Application Development for projects
Analog Electronic Circuit	–	24/07/2019	2	Employability	Technical skills
MATLAB	–	07/08/2019	2	Employability	Technical skills
Programming in C	–	21/07/2019	2	Employability	Programming skills
Developing APIs with Google Clouds Apigee API Platform	–	06/03/2020	12	Employability	Sorting and Searching algorithms
Developing APIs with Google Clouds Apigee API Platform	–	22/02/2020	6	Entrepreneurship	Algorithm and Programming knowledge
Digital Circuits	–	14/03/2020	12	Employability	Knowledge of designing digital circuits
Fabrication of MEMS	–	14/03/2020	12	Entrepreneurship	Knowledge on MEMS
Python Programming	–	24/06/2019	6	Employability	Programming skills
JAVA Programming	–	16/07/2020	5	Employability	Programming skills
Web Development	–	10/08/2019	24	Entrepreneurship	Programming skills
Angular JS	–	16/09/2019	24	Employability	Programming skills
Android Mobile App Development	–	24/06/2019	5	Employability	Programming Skill

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction

BTech	Biomedical Engineering	03/06/2019
BTech	Mechatronics Engineering	03/06/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Electrical Electronics Engineering (EEE)	14/06/2019
BTech	Electronics & Communication Engineering (ECE)	14/06/2019
BTech	Computer Science & Engineering (CSE)	14/06/2019
BTech	Information Technology (IT)	14/06/2019
BTech	Instrumentation & Control Engineering. (ICE)	14/06/2019
BTech	Mechanical Engineering (MECH)	14/06/2019
BTech	Civil Engineering. (CIVIL)	14/06/2019
Mtech	Power Electronics & Drives (PED)	14/06/2019
Mtech	Electronics & Communication Engineering (ECE)	14/06/2019
Mtech	VLSI & Embedded systems (VLSI)	14/06/2019
Mtech	Computer Science & Engineering. (CSE)	14/06/2019
Mtech	Networking (NW)	14/06/2019
Mtech	Manufacturing Engineering. (MF)	14/06/2019
BArch	Architecture	14/06/2019
MCA	Master of Computer Applications (MCA)	14/06/2019
MBA	Master of Business Administration	14/06/2019

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

	Certificate	Diploma Course
Number of Students	6544	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Mobile Phone Servicing	10/06/2019	120
Python programming	10/06/2019	49
Autodesk Autocad	17/06/2019	80
Core and Advanced Java	24/06/2019	153
Hands on Training -Code blocks and MASM	24/06/2019	137
Testing Tools	25/06/2019	176
Hands on Training on Components Testing and Troubleshooting	27/06/2019	172
Smart Materials in construction	02/07/2019	51
Creo	08/07/2019	70
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Electrical and Electronics Engineering	320
BTech	Electronics and Communication Engineering	1163
BTech	Computer Science and Engineering	163
BTech	Information Technology	720
BTech	Instrumentation and Control Engineering	56
BTech	Mechanical Engineering	150
BTech	Civil Engineering	30
BTech	Science and Humanities	999
MCA	Computer Applications	40
MBA	Business Admistration	60
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
Feedback plays a vital role to improve the performance of an Individual or a Group in Every Organization / Institution. Periodical feedback is obtained from the students in the progression of the teaching-learning process. All the students are informed to provide their feedback on the subjects taught, in the prescribed proforma given to them at regular intervals. This will be of great value to the Department to enhance the quality of learning. This feedback helps to understand the problems of students, syllabus coverage, the effectiveness of teaching, etc. The feedback is shared with the respective teachers in a constructive manner so that further improvements can be achieved by the faculties in the teaching process. The feedback is collected at various levels during the academic session. The academic feedback is taken through online three times in a semester. Feedback is also obtained regarding the general facilities including Mess, Canteen, General hygiene, and Cleanliness. The actions to problems of urgent /immediate nature are addressed by the authority immediately. The information regarding the programme satisfaction, lecture and lab sessions, facilities, and other infrastructure are collected during the Quality Circle Meeting (QCM) with the students. The Action Taken Report of the QCM will be submitted to the Director cum Principal. Sri Manakula Vinayagar Engineering College thoroughly reviews the curriculum for every academic year. The Institution also collects feedback on curriculum aspects and courses from different stakeholders such as the Students, Alumni, Parents, Academic peers, Faculty, and Employers. The data are analyzed and their suggestions are considered and placed before the Academic Audit Committee for discussion and for possible incorporation in the curriculum. The feedback is analyzed and discussed in the Department Advisory Committee (DAC) and IQAC meeting with the stakeholders.

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	EEE, ECE, CSE, IT, MECH, ICE, CIVIL, MECTRONICS, BIOMEDICAL, B.ARCH	1360	1380	1023
Mtech	PED, ECE, VLSI&ES, NW, ME	132	48	20
MBA	Business Administration	120	208	118
MCA	Computer Applications	120	82	64
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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	Number of fulltime teachers available in the institution	Number of teachers teaching both UG and PG courses

			teaching only UG courses	teaching only PG courses	
2019	4019	493	244	48	292

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	Numberof smart classrooms	E-resources and techniques used
292	292	65	121	121	8
[View File of ICT Tools and resources](#)					
[View File of E-resources and techniques used](#)					

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

Yes. Student Mentoring System is adopted in the Institution. Mentoring of students is an important feature to render impartial service to all the students having varied cognitive level. A Mentor was provided to every student to look after his/her academic and psychological wellbeing and also monitors class attendance and performance. The counselling is done regularly (15 days once in a month). Roles of Mentor ? Mentor can communicate with the students periodically and maintain a record about their academic and personal issues of allotted students ? Mentor shall create contact with the parents through telephonic discussion appraise them about the development of their ward. ? Mentor helps to shape the individuals beliefs and values in a positive way. ? Mentor creates a supporting relationship with teachers, parents and students aiming at comprehensive development of students ? Mentors communicate with fellow faculty and promote mentees at the time of difficulty / opportunity. Benefits of a Mentoring System: ? Developing communication, interpersonal relationship, technical, verbal and leadership skills. ? Motivate the students to appear GATE, GRE, CAT, ISRO, SAIL, NAL,HAL, NTPC, BSNL, DRDO, BARC, and other Govt. PSUs examinations. ? Enhances creative thinking and motivation for extracurricular activity. ? Provide Inspiration for higher studies and entrepreneurship. ? Enhances the students' confidence and challenges them by setting higher goals, taking risks and ultimately guiding them to achieve higher levels.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4512	292	1:15

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
292	292	0	23	69

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr.S.Anbumalar	Professor	Honour Code Certificate for Coordination and participation during the global student Solar Ambassadors

			workshop organized by IIT Bombay (15-11-2019)
2020	Dr.S.Anbumalar	Professor	Reviewer of Journal of Emerging and Selected Topics in Power Electronics Jan-2020
2020	Dr.S.Anbumalar	Professor	Reviewer of Journal of IET Generation, Transmission and Distribution
2020	Dr. K. Suresh	Professor	Reviewer in Swarm and Evolutionary Computation-Elseveir, Hindawi Journal,IEEE Congress on Evolutionary Computation (IEEE CEC 2020)
2020	Mr.D.Raja	Associate Professor	Reviewer for Electrical Engineering, Springer
2019	Mr.V.Malarselvam	Assistant Professor	Technical evaluator for IICDC_2019 Quarterfinal Evaluation
2019	Mr.V.Malarselvam	Assistant Professor	Member of Confederation of Elite Acamedicians of IICDC 2019
2020	Mr. S.John powl	Assistant Professor	Confederation of Elite Texas mentor certificate
2019	Mr.D.Durairaj	Assistant Professor	Trainer certificate for solar lamp assembly-associated with Indian Institute of Technology, Mumbai
2019	Mr.K,Thangaraj	Assistant Professor	Member of Confederation of Elite Acamedicians of IICDC 2019
[View Uploaded File](#)			

2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	Science and Humanities	I/I	22/12/2019	12/02/2020
BTech	Science and Humanities	II / I	17/03/2020	31/12/2020
BTech	EEE	III / II	17/10/2019	05/02/2020
BTech	EEE	V / III	17/10/2019	05/02/2020
BTech	EEE	VII / IV	17/10/2019	05/02/2020
BTech	EEE	IV / II	17/03/2020	17/12/2020
BTech	EEE	VI / III	17/03/2020	17/12/2020
BTech	EEE	VIII / IV	17/03/2020	17/02/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

- Our institution is affiliated to Pondicherry University and the examinations were conducted by them. They follow single valuation for UG and double valuation for PG papers. Practices followed in the institute level for conducting examinations: • Based on the level of students, the questions were prepared in two sets, one for advance and one for slow learners (viz., analyzing the problems, formulating the problems etc),the questions were prepared as per Bloom's Taxonomy (assigning low / high order thinking levels) • Question paper was prepared by another staff expert in respective subjects and is verified and undersigned by department exam coordinator and head of the department. • Besides University exams, the institute conducted periodical unit tests and model examinations, namely o First hour test – 3 days in a week o Internal test-1 , Internal test-2 and Internal test-3 o PreModel/Model Examination • 25 marks were allotted for internal assessment for a theory paper. Out of 25 marks 20 marks was awarded based on for the internal test marks and the remaining five marks was awarded for their attendance. Evaluation: • Evaluation of answer scripts was done by interchanging the papers with another faculty who had handled the same subject/Expert. • After evaluating the answer scripts it is distributed to the students for doubt clarifications or re- correction with answer key. • After completion of each internal test, pre-model and model exam, student progress report is sent to parents which consists of o Mark in each subject (Passed / Failed) o Attendance percentage and total number of working days o Counselor 's remarks about the student's academic progress • After every internal test, model examinations, faculties have explained the solution in the class which had enabled the students to perform well in the final examination. • The average marks obtained from the best two tests were chosen for the award of internal assessment marks. • Evaluation of Answer scripts was done by interchanging the papers with another faculty who had handled the same subject/Expert. • Retests when necessary are also conducted in special cases and managed separately. Quality Circle Meeting (QCM) will be conducted with students and staff members in the presence of HOD before tests and examinations. During QCM, queries and suggestions are collected from students to eliminate their difficulties in learning and expectations were fulfilled. Slow learners were given opportunity to rewrite the exams, they are closely monitored, and their parents are intimated about their ward's performance. The students who did not perform well are given extra care by conducting special classes. The concerned faculty handling subjects will take responsibility in coaching these students and

> making them clear the subjects with higher credit. Peer group teaching methodology is adopted. It is planned to form a group by mingling advanced, average and slow learners so that average and slow learners will study all the units with the help of advance learners and the faculty. Mnemonics and mind mapping are included as an innovative practice.

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

> The Institute is affiliated with the Pondicherry university and observes the academic calendar of the Pondicherry university. At the beginning of every semester an institute sets its own academic calendar. Based on Institute's academic calendar, department plans its academic calendar which includes events of individual departments. This has a standard procedure to plan and develop Internal tests, Model Exams, Viva-Voce, seminar presentation and extra-curricular department activities. Dates proposed by university for commencement and conclusion of semester, test and quality circle meeting schedules, various activities such as industrial visit, expert lecture, seminars/ workshops/ conferences, department social programs etc are included in department academic calendar. Course plan shall be drawn up by the faculty concerned before the commencement of the semester on the basis of the academic calendar of the department. This course plan will be reviewed by the head of the department to confirm that whether syllabus will be completed as per time schedule. Moreover the academic calendar will be circulated among the students to make them aware of academic and other co-curricular and extracurricular activities.

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://smvec.ac.in/departments/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
MTMFC	Mtech	Manufacturing	3	3	100
BTHMC	BTech	Mechanical Engineering	202	202	100
BTHIC	BTech	Instrumentation and Control Engineering	45	45	100
BTHIT	BTech	Information Technology	160	160	100
MTNWC	Mtech	Networking	3	3	100
MTCSC	Mtech	Computer Science and Engineering	8	8	100
BTHCS	BTech	Computer Science and Engineering	176	176	100

MTVLC	Mtech	VLSI and Embedded Systems	8	8	100
BTHEC	BTech	Electronics and Communication Engineering	210	210	100
BTHEE	BTech	Electrical and Electronics Engineering	120	120	100

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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://smvec.ac.in/feedback-form/

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
Major Projects	180	Swasam Builders, Puducherry	1.5	1.5
Major Projects	120	Bimetal Bearings Ltd	1.12	1.12
Major Projects	120	Manakula Vinayagar Health Care Products	1	1
Major Projects	120	Automotive Coaches Components Ltd	1.36	1.36
Major Projects	180	Ambattur Heat Treaters Private Limited	1.4	1.4
Major Projects	180	SMVE Trust	1.5	1.5
Major Projects	365	Dizitive IT solutions	1.75	1.75
Major Projects	180	Huawei Technologies Co., Ltd.	4	4
Major Projects	365	Siemens	3	3
Major Projects	365	Texas Instruments in	7.25	7.25

	collaboration with Department of Science and Technology (DST), New Delhi	

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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
One Day Automobile Workshop	MECH	05/12/2019
Work shop on IPR	CIVIL	05/03/2020
Webinar on role of astrophysics in engineering	SH	21/05/2020
One day seminor on introduction of python and R Tool .	MCA	08/02/2020
Foundations of Strategic Business Analytic	MBA	23/09/2019
FinTech Foundations and Overview	MBA	06/02/2020
One day workshop on Android mobile app development	CSE	02/03/2020
Workshop on Angular JS	CSE	16/09/2019
Working with IoT	CSE	20/01/2020
Seminar on Web Development Skils	CSE	10/08/2019
Testing Strategies	CSE	10/07/2019
Advanced Artificial Intelligence Resource Person: Jothi Periaswamy	IT	03/02/2020
A Road Map for Summer Intership	IT	28/02/2020
Automation for Everyone	ICE	21/01/2020
Introduction of 3D Printing Machine and Features	MECH	26/02/2020
Career Opportunities For Mechanical Engineering	MECH	07/02/2020
Work shop on IPR	MECH	05/03/2020
One day Technical seminar on Industrial automation	MECH	10/01/2020
Workshop on 3D Printing	MECH	17/06/2019

Technology and Innovation			
Workshop on Industry 4.0	MECH	18/07/2019	
One day workshop on Advanced Manufacturing	MECH	29/07/2019	
Recent trend in Reliability Engineering	MECH	22/08/2019	
Workshop on Computational Modeling	MECH	30/08/2019	
Workshop on FE Simulation of Laser Welding Process.	MECH	07/09/2019	
Workshop on Composite Materials and Applications	MECH	08/10/2019	
The World Needs you - Webinar	ECE	30/04/2020	
Webinar series - Digital Logic Design Thinking	ECE	25/05/2020	
Webinar series - SIM card interfaace and power intent	ECE	26/05/2020	
Webinar series - ASIC for Machine Learning and 3D stack memory	ECE	27/05/2020	
Webinar series - Career opportunities in Semiconductor industry	ECE	28/05/2020	
Webinar series - DevOps	ECE	29/05/2020	
AWS Cloud Practitioner	CSE	10/02/2020	
Webinar on Understanding Traditional Techniques Resource Person :Ar.Thirupurasundari Seval	B.ARCH	05/05/2020	
IEEE Webinar on Business Communication Resource Person :NIKITHA, Analyst, Deloitte USI	EEE	30/05/2020	
Work shop on IPR	EEE	05/03/2020	
Webinar on Industry Revolution 4.0	EEE	30/04/2020	
Faculty Program on NBA -AICTE-MARGADHARHSAN	ECE	09/12/2019	

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Robowar	ThillaiGanapathy.S Vijayakumar.B Anbu.B Naveen.K	IIT Guwahati	29/08/2019	II prize

	Sakthikumaran.D Srikishan.R			
Stackitup	Anbu.B Sakthikumaran.D Srikishan.R	IIT Guwahati	29/08/2019	III prize
NPTEL Course Completion	Dr.E.Kodhai	NPTEL	16/05/2020	NPTEL Topper
VEYER - Eye Check Up Using Virtual Reality	E.Deepthi	CII, Tamil Nadu	07/11/2019	XR PRO Hackathon Contest
Secure Unified Payments Interface (UPI)	Mr. M.Vinothkumar	National Payment Corporation of India (NPCI)	22/10/2019	National level hackathon contest
E-Pill-Healthcare	Mr.Bharath	DELL EMC	18/07/2019	Smart India Hackathon
Transformation of Sink into Dishwasher	R.Arunkumar,B.P.Binto,Arunachalam	Atal Incubation Center	29/02/2020	Best Project
Sink to Dishwasher	R.Arunkumar,B.P.Binto, R.Arunachalam,V.Mohit	PROTOFEST2020,Atal Incubation PEC	27/02/2020	Best Project Award
Inspire Award	Dr.N.S.N.Cailassame	DKP Educational Trust	24/09/2019	Achievement
Autodesk Revit Architecture	Mr.R.Ragavendira	Best performer in Autodesk Revit Architecture	17/07/2019	Best performer
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
TBI Centre	D. Nila Priyadharshni	SMVE TRust	SMV Healthcare Pvt Ltd.	Healthcare	08/07/2019
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
4	26	3

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

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	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	Management Studies	5	Nill
International	Electrical and Electronics Engineering	2	Nill
International	Electronics and Communication Engineering	6	Nill
International	Computer Science and Engineering	26	Nill
International	Information Technology	43	Nill
International	Mechanical Engineering	10	Nill
International	Science and Humanities	17	Nill
International	Architecture	2	Nill
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Mechanical Engineering	1
Information Technology	1
Computer Science and Engineering	16
Electronics and Communication Engineering	5
Electrical and Electronics Engineering	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
Itinerary Aware Data Delivery Technique for Underwater Acoustic Sensor Networks	V.Logiswary	International Journal Engineering and Advanced Technology (Scopus Indexed)	2019	0	Sri Manakula Vinayagar Engineering College	0
Android	P.	Internat	2020	0	Sri	0

based Robotic Arm	Arunagiri	ional Journal for Research in Applied Science Engineering Technology			Manakula Vinayagar Engineering College	
Smart Automatic Ration Card using Webpage	R.Kurinjimalar	International Journal of Recent Technology and Engineering	2020	0	Sri Manakula Vinayagar Engineering College	0
Itinerary Aware Data Delivery Technique for Underwater Acoustic Sensor Networks	V.Bharathi	International Journal Engineering and Advanced Technology (Scopus Indexed)	2019	0	Sri Manakula Vinayagar Engineering College	0
Itinerary Aware Data Delivery Technique for Underwater Acoustic Sensor Networks	P.Raja	International Journal Engineering and Advanced Technology (Scopus Indexed)	2020	0	Sri Manakula Vinayagar Engineering College	0
Smart Automatic Ration Card using Webpage	P.Raja	International Journal of Recent Technology and Engineering	2020	0	Sri Manakula Vinayagar Engineering College	0
Multi Carrier Based New Random Pulse Width Modulation For Three Phase Inverters	G. Jegadeeswari B. Kirubadurai D. Lakshmi, I Shivasankkar	International Journal Of Scientific Technology Research	2020	0	Sri Manakula Vinayagar Engineering College	0
Analysis of harmonics using	Thangaraj.K Subramaniam.N.PN armada.R	International Journal of Electrical	2019	0	Sri Manakula Vinayagar Engineerin	0

wavelet technique	Oma Mageswari.M	and Computer Engineering (IJECE)			g College	
Correction to: Dynamic modeling and control of fve phase SVPWM inverter fed induction motor drive with intelligent speed controller	D. Raja G. Ravi	Journal of Ambient Intelligence and Humanized Computing	2020	0	Sri Manakula Vinayagar Engineering College	0
Analysis of harmonics using wavelet technique	Thangaraj.K Subramaniam.N.P Narmada.R	International Journal of Electrical and Computer Engineering (IJECE)	2019	0	Sri Manakula Vinayagar Engineering College	0
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Analysis of harmonics using wavelet technique	Thangaraj.K, Subramaniam.N.P Narmada.R	International Journal of Electrical and Computer Engineering (IJECE)	2019	0	0	Sri Manakula Vinayagar Engineering College
Correction to: Dynamic modeling and control of fve phase SVPWM inverter fed induction	D. Raja G. Ravi	Journal of Ambient Intelligence and Humanized Computing	2020	0	0	Sri Manakula Vinayagar Engineering College

motor drive with intelligent speed controller						
Analysis of harmonics using wavelet technique	Thangaraj.K Subramaniam.N.PN armada.R, Oma Mageswari.M	International Journal of Electrical and Computer Engineering (IJECE)	2019	0	0	Sri Manakula Vinayagar Engineering College
Multi Carrier Based New Random Pulse Width Modulation For Three Phase Inverters	G. Jegadeeswari, B. Kirubadurai, D. Lakshmi, I. Shivasankkar	INTERNATIONAL JOURNAL OF SCIENTIFIC TECHNOLOGY RESEARCH	2020	0	0	Sri Manakula Vinayagar Engineering College
Smart Automatic Ration Card using Webpage	P.Raja	International Journal of Recent Technology and Engineering	2020	0	0	Sri Manakula Vinayagar Engineering College
Itinerary Aware Data Delivery Technique for Underwater Acoustic Sensor Networks	P.Raja	International Journal Engineering and Advanced Technology (Scopus Indexed)	2020	0	0	Sri Manakula Vinayagar Engineering College
Itinerary Aware Data Delivery Technique for Underwater Acoustic Sensor Networks	V.Bharathi	International Journal Engineering and Advanced Technology (Scopus Indexed)	2019	0	0	Sri Manakula Vinayagar Engineering College
Smart Automatic Ration Card using Webpage	R.Kurinjimalar	International Journal of Recent Technology and Engine	2020	0	4	Sri Manakula Vinayagar Engineering College

	V.Logiswary	International Journal Engineering and Advanced Technology (Scopus Indexed)	2019	0	0	Sri Manakula Vinayagar Engineering College
Itinerary Aware Data Delivery Technique for Underwater Acoustic Sensor Networks						
Detection of Blood Glucose Level in Humans using Non-Invasive Method-RL BGM	M.Julie Therese	International Journal of Recent Technology and Engineering	2020	0	0	Sri Manakula Vinayagar Engineering College

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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	43	333	32	20
Presented papers	32	0	0	0
Resource persons	0	4	7	4

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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
Electrical Safety	Sri Manakula Vinayagar Engineering College	3	75
COVID 19 Awareness Programme	Sri Manakula Vinayagar Engineering College	4	60
Founder's Memorial Day Programme	Sri Manakula Vinayagar Engineering College	4	60
Environmental Day	Sri Manakula Vinayagar Engineering College	1	35
CAMPUS CLEANING	Sri Manakula	2	40

	Vinayagar Engineering College		
PLASTIC AWARNESS	Sri Manakula Vinayagar Engineering College	1	25
BLOOD DONATION	Sri Manakula Vinayag r Engineering College and JIPMER	2	55
Mother Toungue Day	Sri Manakula Vinayagar Engineering College	1	15
Womens day celebration	Sri Manakula Vinayagar Engineering College	2	60
Tree Plantation	Sri Manakula Vinayagar Engineering College	2	60
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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
Blood donation	Voluntary blood camp	JIPMER	50
Blood donation	Voluntary blood camp	JIPMER	90
Yoga Competition	II Prize	34th Pondicherry State Level Yoga Asana Competition	1
Bharadhanatiyam	II Prize	NMNS, Puducherry	1
Wipro Certified Faculty	Best Trainer	Wipro Technologies, Bangalore	100
Unisys Cloud 20/20	Best Mentor	Unisys, Bangalore	5
Women Empowerment	Best Women Award	CII, Puducherry	2
Thirukkural competition	Special Jury	NMNS, Puducherry	40
Life of Mahatma	Winner in State Level Quiz Competition	Government of Puducherry	2
Aids awareness	Winner in Poster competition	Health Dept Govt Of Puducherry	1
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agen	Name of the activity	Number of teachers	Number of students

	cy/collaborating agency		participated in such activites	participated in such activites
Food donation	Sri Manakula Vinayagar Medical College and Hospital	Food Donation in Adopted village	3	24
Gender Issue	Women's Commission Puducherry	Power walk – Women's Commission Programme for International Women day	2	30
Swachh Bharat	Sri Manakula Vinayagar Engineering College	Plastic awareness and paper bag work	5	65
Awareness	Sri Manakula Vinayagar Engineering College	Covid awareness in schools	2	42
Swachh Bharat	NSS Unit,SMVEC	Swatchata pledge	3	80
Smart India Hackathon 2020	Govt. of. India	Technical Events-Hardware Software Editions	4	24
Life skill Programme	Sri Manakula Vinayagar Engineering College	Improving mental Health thro' Meditation	2	100
Awareness	Sri Manakula Vinayagar Engineering College	Covid awareness in schools	3	30
Swachh Bharat	NSS Unit,SMVEC	Swatchata pledge	2	30
Non-Government Organisations	Sri Manakula Vinayagar Engineering College	SMVEC Rolling Trophy (Quiz Competition)	2	100
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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
Internships	1	Astrosyndel	8
Internships	4	Aurozone pvt ltd	7
Internships	4	Hindustan unilever Ltdq	7
Internships	2	zoho	6

Internships	12	Rane brakes lining India	6
Internships	12	Lucas TVS	6
Internships	15	GT Electronics Pvt Ltd	5
Internships	12	Manatech Electronics	5
Internships	5	EATON India Pvt ltd	6
Internships	8	HCL India limited	6
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Field Projects / Internships	Internships	Lucas TVS	22/08/2019	27/08/2019	12
Field Projects / Internships	Internships	Rane brakes lining India	22/08/2019	27/08/2019	12
Field Projects / Internships	Internships	Astrosyndel	24/02/2020	31/08/2020	1
Field Projects / Internships	Internships	zoho	23/12/2019	28/02/2020	2
Field Projects / Internships	Internships	Hindustan unilever Ltd	24/07/2019	29/07/2019	4
Field Projects / Internships	Internships	Aurozone pvt ltd	24/07/2019	29/07/2019	4
Field Trip	Industrial Visit	Leepra Technologies	14/02/2020	15/02/2020	196
Field Trip	Industrial Visit	Ace Components Pvt Ltd	14/02/2020	15/02/2020	196
Field Trip	Industrial Visit	Mass Solar Pvt Ltd	28/02/2020	29/02/2020	196
Field Trip	Industrial Visit	Pentagon switchgears	28/02/2020	29/02/2020	196
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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
Ethnotech – Trainlab Academy	22/02/2020	Students Training	79
Abirami Enterprises Pvt. Ltd., Puducherry	09/01/2020	Training Courses, Internships and Project activities	77
Auro Tech Transformers, Puducherry	18/09/2019	Training Courses, Internships and Project activities	78
General Electrical and Mechanical works, Puducherry	26/02/2020	Training Courses, Internships and Project activities	80
Dynamic Networking Institute, Puducherry	01/11/2019	Training Courses, Internships and Project activities	200
Bistate Systems	18/11/2019	Training Courses,Internships and Project activities	200
Excel and Enrich	17/07/2019	Training Courses,Internships and Project activities	200
Mirafra Technologies Pvt. Ltd	17/06/2019	Training Courses,Internships and Project activities	160
Sysmantec, Chennai	17/06/2019	Training Courses,Internships and Project activities	172
Innate	17/06/2019	Training Courses,Internships and Project activities	120
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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
72500000	69906483

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added

Classrooms with Wi-Fi OR LAN	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Newly Added
Class rooms	Newly Added
Campus Area	Existing
No file uploaded.	

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
Library Management Suite	Partially	3	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	76488	22601505	11294	3490985	87782	26092490
Reference Books	7764	2135100	2111	264132	9875	2399232
e-Books	9064	0	1020	0	10084	0
Journals	204	2180217	18	945000	222	3125217
e-Journals	2468	1629479	2467	500278	4935	2129757
Digital Database	1	156370	0	0	1	156370
CD & Video	2910	0	11	0	2921	0
Library Automation	1	200000	0	0	1	200000
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content

Mr.K.S.Seetharaman	Cloud Computing Services	Google Platform	01/05/2020
D KARUNAKARAN	SAMPLE	NPTEL	01/06/2020
K.SRINIVASAN	Geotechnical Engineering Lab	NPTEL	16/03/2020

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1050	15	15	2	885	50	90	200	25
Added	150	4	4	5	0	0	2	50	0
Total	1200	19	19	7	885	50	92	250	25

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

250 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
SMVEC Student Elite Portal for all subjects	http://elearn.smvec.ac.in
Digital Library	http//youtube.in//
Computational Fluid Dynamics Laboratory YouTube Channel	https://www.youtube.com/playlist?list=PLRuuYmz0Py9_VBgp1p4h84RaVNIelyWV-
Computer Aided Engineering Laboratory - CATIA YouTube Channel	https://www.youtube.com/playlist?list=PLRuuYmz0Py9_yhl3gg0XXlrb_p2VFDDya
Computer Aided Engineering Laboratory - ANSYS YouTube Channel	https://www.youtube.com/playlist?list=PLRuuYmz0Py9_gyYpOLwf5pM_yvM3xYnr0
GATE Solved Question Papers with Answers	https://sites.google.com/site/rhkmech/smvec/gate-resources
Placement Resources- Technical Keywords from various areas of interest	https://sites.google.com/site/rhkmech/smvec/placement-resources
HaritaTechserv Ltd - Placement Resources	https://sites.google.com/site/rhkmech/smvec/catia-course
Basic Electrical and Electronics Engineering Laboratory Manual	https://ganeshphd4u.weebly.com/uploads/7/3/4/0/7340277/bee_lab_manual_new.pdf
Smart Grid Material	https://ganeshphd4u.weebly.com/uploads/

	[7/3/4/0/7340277/ee_e19_smart_grid.pdf](https://ganeshphd4u.weebly.com/uploads/7/3/4/0/7340277/ee_e19_smart_grid.pdf)
Electrical Machines -1 Material	https://ganeshphd4u.weebly.com/uploads/7/3/4/0/7340277/3.em-1_unit_i_elite_format.pdf
Energy Engineering Material	https://ganeshphd4u.weebly.com/uploads/7/3/4/0/7340277/energy_engg_unit_1_updated_2018.pdf
Electrical and Electronics Engineering Material (for MECHANICAL students)	[https://ganeshphd4u.weebly.com/uploads/7/3/4/0/7340277/mech_eee_unit_1_transformer.pdfhttps://ganeshphd4u.weebly.com/uploads/7/3/4/0/7340277/mech_eee_unit_1_transformer.pdf](https://ganeshphd4u.weebly.com/uploads/7/3/4/0/7340277/mech_eee_unit_1_transformer.pdf)

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 incurredon maintenance of physical facilites
18375000	15623250	29025000	26827271

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)

Common Facilities: • Auditorium, • Conference and seminar hall, • Canteen, • Guest House, • WiFi campus • ATM ,Stationery store and photo copying centre • Parking facility • Fire extinguishers 1. LABORATORIES 1(a) Purchase policies and procedures for laboratories • Submission of lab requirements in the form of a proposal to the HOD • Acceptance by the Principal and submission to Management • After Approval, fund are allocated to the respective department • Call for quotations and verification of prices and their availability • The allocated funds have to be utilized for the purchase of lab equipment, service and maintenance. 1(b) Maintenance of Laboratory • Stock Register is maintained regularly. • Internal and external stock verification are carried out and documents are submitted to principal. • Servicing and Whitewashing of labs is done regularly. 1(c) Utilization of Laboratory • Research, Consultancy and extension works are carried out. 2. LIBRARY 2 (a) Purchase policies and procedures for library • The Faculty and students can recommend books for purchase. • The Librarian would check for duplication and place the recommended books before the Library Advisory Committee (LAC). • Library In charge prepares the final list of books and obtains financial sanction • The Library In charge may now place orders with any well recognized Vendors. • Registration should be done to become a library member. 2(b) Maintenance of Library: • Students are allowed to library only on production of their Identity Cards. • Textbooks, printed materials and issued books are not allowed inside the library • Student has to write the name and Sign in the register before entering library and need to maintain silence. 2(c) Utilization of Library: • Working Hours : Monday to Friday 8 am to 8 pm (During Examination up to 10 pm) Saturday 8 am to 5 pm Sundays 9 am to 5 pm (During Examination Time) • Books will be issued to the UG and PG students for 14 days. 3. SPORT COMPLEX: Physical education department has infrastructure with 400 meter running track and play grounds for Football, Cricket, Volleyball, Basketball and multistage gym. Every year intercollegiate NEXUS games event is conducted. 3(a) Purchase policies and procedures for sport

equipment's • Requirement proposal should be framed and submitted to principal. After approval, it is further submitted to management. 3(b) Maintenance and utilization of sport complex: • The outdoor Stadium and Fitness Centre enable the students and staff to keep fit. • The maintenance of activities are carried out in outdoor grounds by the house keeping staffs 4. COMPUTER: 4 (a) Maintenance of Computer • All computers and air conditioners in the labs are serviced regularly. • Each user is given with a user ID and SONIC FIRE WALL to monitor unwanted users and virus. 4 (b) Utilization of computers • Computers are utilized to do online courses and for conducting online examinations. 5. CLASSROOMS 5 (a) Maintenance of Classrooms • Repair works, whitewashing and painting, replenishment of furniture, blackboard, electrical and plumbing are carried

https://smvec.ac.in/facilities/

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	MERIT SCHOLARSHIP	285	1765800
Financial Support from Other Sources			
a) National	MERIT SCHOLARSHIP THROUGH CENTAC, SC/ST POST MATRIC SCHOLARSHIP, SC/ST Dr. AMBEDKAR FINANCIAL ASSISTANCE, OTHER SCHOLARSHIP	1876	48773000
b)International	Nil	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
Artificial Intelligence With Edge Computing	05/02/2020	55	ETHNOTECH
3D Printing technology	03/02/2020	120	VECTOR SOLUTIONS, PUDUCHERRY
Panel board wiring	19/02/2020	110	PANTECH SOLUTIONS
Electronic Modules for Industrial Applications using Op.Amps	05/02/2020	110	VI MICRO SYSTEMS
Analog Electronic Circuit	24/07/2019	88	PANTECH SOLUTIONS

Programming in C	22/07/2019	88	CHAKRIKA INFOSOLUTIONSAnalog Electronic CircuitAnalog Electronic Circuit
Cloud Computing	19/07/2019	120	MICRO SOFT VIRTUAL ACADEMY
Android Online Course - Become an App Developer	17/07/2019	110	VECTOR SOLUTIONS, PUDUCHERRY
PSpice software	12/07/2019	110	EXOR ROBOTICS
Advanced Python Programming	10/07/2019	120	CHAKRIKA INFO SOLUTIONS
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2020	GATE Coaching, IELTS,GRE	4019	4019	42	1070
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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
16	16	2

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
TCS	98	2	ATOS SYNTEL	4	1
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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.TECH.	MECHANICAL	Monash University Clayton,	Data Science

2019	2	B.Tech	IT	Wellington Rd, Clayton VIC 3800, Australia	
2019	2	B.Tech	IT	Pondicherry University	Master of business Administration
2019	5	B.TECH.	CSE	Pondicherry University	M.B.A (Banking Technology)
2019	8	B.TECH.	CSE	Pondicherry Engineering College	Master of Technology
2019	1	B.TECH.	ECE	University of Adelaide, Australia	M.Sc Electronics Engineering
2019	1	B.TECH.	ECE	Nottingham Trent University, United kingdom	M.Sc Electronics Engineering
2019	1	B.TECH.	EEE	Columbia University,USA	Master of Science
2019	2	B.TECH.	EEE	Pondicherry Engineering College	Master of Technology
2019	2	B.TECH.	EEE	Pondicherry University	Banking Technology
2019	1	B.TECH.	EEE	University of TEXAS, Dayton	Master of business Administration

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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	13
GATE	31
CAT	4
GRE	11
TOFEL	12
GMAT	1
Any Other	394

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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
Volley ball	Institutional Level . Winner	12
Kho.kho	Institutional Level . Runner	12
Solo dance	Institutional Level . I prize	10
Cricket(Boys)	Institutional Level	32
Table Tennis (Girls)	Institutional Level	40
Table Tennis (Boys)	Institutional Level	44
Carrom (Girls)	Institutional Level	48
Carrom (Boys)	Institutional Level	40
Chess (Girls)	Institutional Level	54
Chess (Boys)	Institutional Level	54
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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
2019	Second Prize	National	Nill	1	17TE0262	Mangeshkar.M
2019	Second Prize	National	1	Nill	16TE0257	Mark Antony.A
2019	Third Prize	National	1	Nill	17TE0249	Inbarasan.S
2019	Winner	National	1	Nill	16TE0209	Annapurana.R
2019	Second Prize	National	Nill	1	16TC0317,	Mohankumar.P
2019	Second Prize	National	Nill	1	16TC0324,	Nareshkumar.G.S.
2019	Second Prize	National	Nill	1	16TC0264	Hariharan.T
2019	Second Prize	National	1	Nill	17TC0286	S. Kavya
2019	Second Prize	National	1	Nill	17TC0341	E.Priyadharshini
2019	First prize	National	1	Nill	17TC0386	J.Venkatesh
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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)

SMVEC's Student Council representatives actively participate in various

activities. The student council is a platform for the student community to associate in the administration of the institute. To achieve this, it brings out the opinions and requirements of the student community to the authorities and act as a link between the institute administration and students. It also aims to develop the career, personality and organizational skills of the students through co.curricular and extra.curricular activities. This is achieved by organizing various events like sports day, college day etc. Any education is incomplete without social awareness. "NSS Committee" is active in carrying out different activities such as Blood donation Camp, Swachh Bharat Abhiyan, Yoga day, Tree plantation and various training programs. Being an Autonomous institution, designing the syllabus is outside the purview of recent technology. However, the institute can enrich the curriculum with incorporating contents beyond the syllabus and add on courses. Students through the student's council play a significant role in this. They come to know about the additional academic requirements, when they participate in various seminars and tech fests. This is discussed in the student's forums and brought to the notice of the authorities through the student council. Alumni Association: Every department attends to the coordination and liaison activity with alumni through the nominated students once in a semester. Anti.Ragging committee: Student members assist the institution in implementing rigid anti.ragging measures so that the institution becomes ragging.free campus. The Entrepreneurship Development Cell was also developed in our institution to initiate the student's start.up works. Students are also part of the Library Advisory committee of the institution. Board of Studies: The student nominees play an important role in providing the feedback on behalf of all the students in varying as the length and duration of the syllabus, the relevance of the topics, the requisite to include any new topics, etc The Board of Studies is supported by feeder committees with the DAC (Departmental Advisory committee). These bodies have adequate representation of students who provide feedback on the syllabi and its implementation. The Library Advisory Committee members meet every month once to discuss the availability of books, periodicals and journals and procurement of new titles. Student representatives from all the branches are nominated as members of the library. They are represented in the library committee which looks into the library requirements and plans out ways to facilitate the smooth transition of the fresher's to a professional program. Canteen and Cafeteria Committee: Members of the committee including student representatives meet once a month to discuss various points related to food quality, taste, hygiene levels, pricing of items, etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni's are one of the main stakeholders of the SMVEC. They contribute immensely to the development of the College in multiple dimensions. The Alumni Association was formed in the year 2003. Students from the senior batches are inducted into the alumni association during the annual general body meeting held during August every year. The association functions by strictly abiding the existing constitution. The Alumni association acts as a bridge between the nostalgic past and the hopeful future. The association envisages a handful of initiatives that bring together our alumni and students under different mentoring schemes. For deserving students of SMVEC Maintain continuous interaction between the past and present students by publishing a newsletter, holding periodical alumni day celebration Contribute towards improving entrepreneurship development activities. Alumni have also contributed immensely as members of DAC, delivering Guest lectures, offering Internship, assisting in Placement, organizing Industry visits and students to get admissions into reputed Universities at abroad. The successfully placed alumni act as mentors

and a connecting link for the professional aspirations of our students. Their involvement helps to increase the placement percentage of our institution continuously. The alumni also help the final year students of the various streams of engineering, business administration and computer applications to get their project placements and summer internship in their companies or to assist them get it through their reference. The SMVEC Alumni community can be a powerful asset to help build professional network or it can simply be a great way to remain connected to friends, classmates, and professors who have made an impact in life. We make sure to keep in contact with the alumni to update and receive the latest alumni news, events, volunteer opportunities, and benefits and services.

5.4.2 – No. of enrolled Alumni:

4931

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

300000

5.4.4 – Meetings/activities organized by Alumni Association :

Every year two alumni meetings are conducted in all the departments. In Saturdays, alumni working in various reputed companies are invited to conduct activities like mock interview, resume corrections and technical training to the final year students for their placement. We also conduct training sessions on industry practices and professional ethics. Regular Interaction with unemployed alumni students will be arranged for their career guidance.

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)

The Institution excels in academics for over 21 years due to the continuous review and improvement of Quality Policies and plans. Decentralized governance model Sri Manakula Vinayagar Engineering College (SMVEC) envisions to nurture knowledge, skills, attitude and values of the aspiring youth to enable them to become global citizens. Institute has vision and mission which are futuristic in nature. They satisfy the needs of society through the involvement of each one in the process. Internal Quality Assurance Cell (IQAC) and Department Advisory Committee (DAC) play a significant role in the evolutionary reforms towards positioning the Institute in the preferred list of all stakeholders. The Institute believes in promoting a culture of delegation of powers through strategic policies. The Management is participatory and frequent meetings are held with the Management members, Principal, HODs, Faculty and the students in decision-making process of the Institute. The staffs are assigned with the roles and responsibility to work in a harmonious environment with complete transparency. IQAC has a well-developed mechanism to ensure the consistency of the academic and administrative benchmarks. Institute follows recruitment policies and terms of service, as per the rules and regulations of regulatory authorities. Based on the institutions vision and mission, quality policies are framed and driven by corporate, societal and stakeholder needs. Deployment of the quality policy is done by providing requisite academic infrastructure, learning environment and harmonious work culture. Student's surveys and feedback from all the stakeholders plays vital role in framing and revising policies. Internal Quality Assurance Cell (IQAC) formulates a perspective plan, taking into the consideration of inputs from all the stakeholders. The Institution policy believes in the involvement of all staffs in decision making and implementing the decentralized decision policy. To streamline the same,

various committees at the Institute level are formed which look after academic and administrative activities leads to the realization of vision and mission of the Institute. Faculty Governing Council interaction meeting Once a year, a get-together meeting between staff and Governing Council members is indeed a moment to cherish, wherein all matters of importance, including the strategic ones, are discussed with an equal opportunity for all the staff members to express their constructive suggestions to the council. The meeting of the President with the staff at the beginning of every semester is indeed a reflection of the participative style of Management. Every year, the composition of different committees is changed to ensure uniform exposure of duties for academic and professional development of faculty members.

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	Institute is having Research and Development Cell with the following objectives • To create awareness for Research and Development among faculty and students. • To create interest and motivate faculty to take up research projects in cutting-edge technology. • To inculcate research attitude in students. • Motivate and facilitate students and faculty to solve social challenges through technological innovations. Institute conducts Lectures, workshops to create awareness and protects Intellectual property rights of Faculty and students through the Institute Innovation cell. Institute promotes and supports faculty and students for publishing their research work in Indexed journals by faculty and students. Faculty are motivated to submit proposals for FDP, Conferences, RPS, Short term training, MODROBS, etc. through Research and Development.
Admission of Students	Admission of Students To improve admissions, the following salient activities are being done: • Advertisement in leading newspapers • College magazine and Brochure are circulated to the public • Department Newsletters are circulated to the students and parents to recognise the student's achievements. • Banners are placed in prominent locations Candidates for admission to the first semester of the 8 semesters B.Tech. Degree programme should be required to have passed: The Higher Secondary

	Examination of the (102) curriculum (Academic Stream) prescribed by the Government of Tamil Nadu or any other examination equivalent there to with a minimum of 45 marks (a mere pass for OBC and SC/ST candidates) in aggregate of subjects – Mathematics, Physics and any one of the following optional subjects: Chemistry / Biotechnology/ Computer Science / Biology (Botany Zoology) or an Examination of any University or Authority recognized by the Executive Council of the Pondicherry University as equivalent thereto. For Lateral entry into third semester The minimum qualification for admission is a pass in three year diploma or four year sandwich diploma course in engineering/technology with a minimum of 60 marks (50 marks for OBC and a mere pass for SC/ST candidates) in aggregate in the subjects covered from 3rd to final semester or a pass in any B.Sc. course with mathematics as one of the subjects of study with a minimum of 60 marks (50 marks for OBC and a mere pass for SC/ST candidates) in aggregate in main and ancillary subjects excluding language subjects.
Industry Interaction / Collaboration	Interaction with industry for providing industrial exposure to students and faculty is of prime importance at Sri Manakula Vinayagar Engineering College. This has helped to improve interaction with the industry with the involvement of every faculty. Institute has tried to standardize the different processes in order to strengthen interaction with industry. • Guest lectures and workshops for students are conducted by resource persons from industry • MoUs with industries through which training, Product development consultancy work is done. • Students participate in national level competitions conducted by renowned industries • Faculty training programs in recent technologies are also organized with industrial experts. • Industrial visits and internships for students to know the industrial arena Plan sheets are kept in the department and the Head of Department take to review and monitor the conduction of all the planned activities as per the planning. Value added courses for the student in association with industry is another

	major aspect where the institute is focusing. At the end of the semester, standard formats are made available to the department to compile all the activities conducted in association with industry and a summary sheet of the same is also prepared and communicated to all the departments for analysis and future plans.
Human Resource Management	Orientation programmes were given to newly inducted staff. Training and development programmes were conducted for the up-gradation of skills and abilities of the non-teaching and ministerial staff, to motivate them and equip them for enhanced performance. In its efforts to train, motivate and reward faculty, the institution encouraged members to attend courses/conferences/workshops/seminars/training programmes, etc, and to be research-oriented. • Personal files of the faculty are maintained. • Performance appraisals are regularly collected and analyzed. • The In-house training programmes for faculty are arranged • Biometric attendance system ensures regularity and fair assessment. • The college has a computerized administrative system. • Incentives to the faculty members are provided for the publications. • All leave rules are followed as per norms. • Immediate attention is given to the prompt feedbacks and grievance. Training and Placement Cell: The college has established a full-fledged Training and Placement cell, which monitors the employment opportunities and arranges campus interviews for the pre final year and final year students. Placement cell edifies all the managerial traits, which are required for the students and prepares the students according to the requirement of the industry. The placement cell also helps to sign MOU with reputed organizations and universities in India and abroad for exchange of knowledge and latest technology. The Training and Placement Cell of college worked towards reducing the gap between a student's skills and the industry needs by producing competent resources equipped with personality development and campus recruitment training along with a perfect blend of professional etiquettes. The Training and Placement

	Cell organized various training sessions, seminars and workshops catering to various courses of the college. Training and Placement Opportunities • 32 new companies were added to our recruiters list in addition to major recruiters like TCS, CTS, ZOHO, Microchip, Aspire Systems,KAAR etc., • Company Specific Intensive training are provided with the leading training institutes like FACE, SMART etc., • Extensive career development Training and Soft Skills sessions are conducted. • Special drives are conducted for Core branches.
Library, ICT and Physical Infrastructure / Instrumentation	Library/ICT The Central Library with excellent state of art infrastructure having a unique resource collection which is international in scope. The SMVEC Central Library is on its way to becoming an outstanding learning resource centre catering to the ever growing and uncompromising information and intellectual requirements of the students, faculty, and researchers. The SMVEC Central Library strives for a high quality of library service, which emphasizes the actual delivery of information rather than the actual delivery of documents to meet the generic as well as specific needs of users. It has computerized all its housekeeping activities using Library software that is being maintained and updated regularly, which is connected to campus wide network. This enables users in searching and availing the library resources. It uses state-of-the-art technology in its functioning and services. • Computers are provided with a Multimedia facility in central library where students can access all kinds of e-journal. • http://ieeexplore.ieee.org • http://infotrac.galegroup.com/itweb/inmanakula • Digital library is provided in central library where users can access kinds of e-resources on campus. • The learning resources centre is open 12 hours a day for use and will be extended on demand. The library contains the Reference Section with a wide variety of resources, a quiet study area, an office, and a photocopier room. There is a study area with computer facilities, and a group study/reading room. The library aims to offer focused provision for the subjects in which the

	college admits mature undergraduates, postgraduates and research programmes. The collection comprises textbooks, general reference material, question bank and career-oriented resources. • Video Course: NPTEL can be accessed though Digital Library MEMBERSHIPS: • Pondicherry University Library • Anna University Library • IIT Library • British Council Library • MALIBNET (Madras Library Network) • INDEST – AICTE Consortium • Library Management System" is used to speed up Circulation process • Open access system is followed • Online Resource Sharing and access to e-journals by Subscribing DELNET Infrastructure The college has a sprawling campus of 125 acres of landscape with a built up area of well-furnished infrastructure with Wi-Fi enabled campus, central library, individualized department buildings with advanced laboratories, centralized air-conditioning auditorium, Campus security cameras and Video Surveillance System, mineral water plant, hostels for both boys and girls and other essential amenities like ATM and Post Office. • Our college is renowned for its very good infrastructure with clean and serene environment. CCTV cameras cover the whole campus for better survive lance. • Class rooms are equipped with LCD Projector to provide better learning environment. • Labs are upgraded with recent cutting edge technologies to enhance our students practical knowledge
Examination and Evaluation	At the end of the semester, Practical/Oral/Presentation is to be conducted and assessed jointly by the internal and external examiner appointed by the affiliating university. Whenever any new system of evaluation is introduced at the university, the same is first discussed at a faculty meeting and then at the college level for effective implementation. The schedule and the structure of the internal as well as for end semester examination is prepared by the affiliating university and displayed on the college notice board. The college has adopted an evaluation system based on university patterns. The highlights are • University guidelines are followed strictly regarding examinations. • The

	Chief Superintendent of the examination oversees the timely arrangement of the examination hall, the stock of examination sheets, takes responsibility for the question paper supply, stores the answer books, and ensures a smooth transfer of the same to the university. Any problems that may arise will be addressed by the Chief and the Assistant Superintendents of Examinations. • Systematically organized assessment and evaluation processes. • Modification of evaluation process as per curricular requirements
Teaching and Learning	Effective teaching methods such as the use of google classrooms, interactive boards, small group discussions, role plays are being implemented in the lecture classes to enhance learning among the students. Academic coordinator of the department monitors the teaching learning process, and prepares a report which is periodically shared with the Institute Academic Coordinator. The academic coordinator monitors the following teaching learning activities: 1. Conduct of lectures and practical's as per the time table 2. Preparation of the list of defaulters whose attendance is less than 75 3. Conduct of makeup classes for the defaulters 4. Coverage of the curriculum as per the syllabus 5. Continuous assessment (CAS) of the practical 6. Conduct of project and seminar presentations 7. Conduct of the first hour test and internal tests as per the plan 8. Analysis of the first hour test and internal test results 9. Assignments are periodically reviewed by the staffs.
Curriculum Development	• The Institute follows the curriculum approved by Pondicherry University. Our faculty members participate at various bodies of the university such as the Academic Council, Board of Studies (BOS), and board Chairman who contribute in the framing of syllabus regularly. Institute has its own stakeholder's feedback policy in place. The purpose of this Policy is to provide a framework for obtaining, summarizing and documenting information on student and stakeholder perceptions of the quality and effectiveness of the Institute's curriculum. All the

E-governace area	Details
Planning and Development	Student's software has been in use for monitoring attendance and helps to track their personal information and continuous performance.
Administration	• Helping the students to apply for various scholarships under different schemes. • Preparation of Semester Planner which includes all activities such as invited talks, seminars, conferences, etc.
Finance and Accounts	Day-to-day transactions, vouchers, bills and reports are generated using the software system.
Student Admission and Support	During the admission time, complete details of students are stored in the software. Further, reports in different forms are generated when there is a need arise.
Examination	Web portal provided by Pondicherry University

> feedbacks received from various stakeholders are summarized and analysed. The recommendations are communicated to the BOS for curriculum revision.

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

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Mr. C. Adrein	Faculty development program on Data Science Using Python	ICT Academy	1000
2020	Ms. N. Swarnalakshmi	Faculty development program on Data Science Using Python	ICT Academy	1000
2020	Dr. S. Anbumalar	National Digital Security Conference 19	National cyber safety and security standards	1000
2019	Mr. D. Durairaj	Hands-On Training On Solar Study	IIT Bombay	2000

2019	Mr. K. Thangaraj	Hands-On Training On Solar Study Lamp Assembly	IIT Bombay	2000
2019	Mr. K. Arun	Hands-On Training On Solar Study Lamp Assembly	IIT Bombay	2000
2019	Mr. R. Ragupathy	Hands-On Training On Solar Study Lamp Assembly	IIT Bombay	2000
2020	Mr.Shivasankkar	Faculty development program on Data Science With R	ICT Academy	1000
2020	Mr.K.Arun	Faculty development program on Data Science With R	ICT Academy	1000
2020	Mr.Johnpowl	Faculty development program on Data Science With R	ICT Academy	1000
		[View File]		

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)
2019	Nill	Equipment Service Training	03/12/2019	03/12/2019	Nill	5
2019	Seminar on Design of Electrical Machines using Finite Element Method (FEM)	Nill	28/08/2019	28/08/2019	19	Nill
2019	Seminar on Hybrid Electric Vehicle	Nill	03/08/2019	03/08/2019	20	Nill

2019	Seminar on Testing and Erection of Transformer	Nill	20/07/2019	20/07/2019	19	Nill
2019	Seminar on Hardware Implementation of Microcontroller for Industrial Applications	Nill	08/07/2019	12/07/2019	21	Nill
2019	Seminar on Recent Trends in Industrial Automation	Nill	22/06/2019	22/06/2019	19	Nill
2019	Faculty Program on NBA -AICTE -MARGADHARHSAN	Nill	11/12/2019	13/12/2019	21	Nill
2019	Faculty development Program on Imageand Video Processing using MATLAB	Nill	16/12/2019	20/12/2019	19	Nill

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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
Hands-On Training On Solar Study Lamp Assembly	5	02/05/2019	31/12/2019	235
Opamp Practical Applications: Design, Simulation, And Implement-NPTEL	3	01/07/2019	31/10/2019	123
Faculty	3	27/02/2020	29/02/2020	3

development program on Data Science With R				
DC Micro Grid- NPTEL	1	01/07/2019	31/10/2019	123
Faculty development program on Data Science Using Python	2	16/12/2019	20/12/2019	5
National Digital Security Conference 19	18	27/07/2019	27/07/2019	1
National Conference On Indian Higher Education: Agenda For Inno vation- Leapfrogging In Spite Of All Constraints	1	14/09/2019	14/09/2019	1
Residential Boot-Camp On Data Analytics	1	08/07/2020	13/07/2020	6

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	23	0	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• Transportation Facility • Fee Concession for Wards of Faculty • EPF • Health Care Welfares • Maternity and medical leave Benefits • Registration Fee for conferences and seminars • Support for faculty to pursue higher studies • Skill up gradation program • Incentive/increment for published paper in reputed journal	• EPF • Support for Higher study • Transportation Facility • Health Care facility • Fee Concession for Wards • Salary advance • Maternity and medical leave Benefits	• Career training given to students to face placement drive confidently • Support to avail various scholarships provided by government and NGOs • Emergency Medical care • Counselling facility • Fee concession/fee waiving options for poor and needy students

6.4 – Financial Management and Resource Mobilization

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

The institution has online financial data connected to the Head office of the SMVEC, Trust. Hence every income and expenditure has an internal check and internal audit everyday. Then periodical internal auditors do internal audit verifying the related receipts, vouchers, ledger postings etc. and the external audit is also done by auditors by an authorized chattered Accountants. The system of maintaining accounts except petty cash is done by bank transactions thus ensures internal check and balance of accounts. Academic Audit will be done by the internal and external experts every year.

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
No Data Entered/Not Applicable !!!		
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6.4.3 – Total corpus fund generated

3810670

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	Pondicherry University	Yes	IQAC
Administrative	Yes	Pondicherry University	Yes	IQAC

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

1. Feedback on improving curriculum 2. Suggestions for improving the students' performance 3. Support for Internships Placements

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

1. Trouble shooting, system maintenance training are given to supporting staffs. 2. Training programmes are provided on new softwares and equipments. 3. Supports for higher studies

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

• Various batches of alumni have been contacted for strengthening the alumni contribution. • Up gradation of present syllabus to suit the need of employability through board of studies is sought for. • Initiatives taken to publish in peer-reviewed journal • More proposals are submitted for funding agencies • Continuous assessments of POs and PSOs based on the results of every student in internal and external examinations.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	National Digital Security Conference 19	22/07/2019	27/07/2019	27/07/2019	19
2019	Autonomous Robotics II/ AampB/III/	18/06/2019	24/06/2019	26/06/2019	88
2019	Design of Electrical Machines using Finite Element Method (FEM)	24/09/2019	28/08/2019	28/08/2019	120
2019	Hybrid Electric Vehicle	01/08/2019	03/08/2019	03/08/2019	110
2019	Hardware Implementation of Microcontroller for Industrial Applications	02/07/2019	06/07/2019	06/07/2019	110
2019	Recent Trends in Industrial Automation	18/06/2019	22/06/2019	22/06/2019	87
2019	Basic Electrical Circuits	28/06/2019	02/07/2019	30/10/2019	10
2019	Digital Electronics	28/06/2019	02/07/2019	30/10/2019	5
2019	Joy of computing Python	28/06/2019	02/07/2019	30/10/2019	5
2019	Cloud Computing	28/06/2019	02/07/2019	30/10/2019	72

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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
Women's Mentoring Programmes	13/11/2019	13/11/2019	115	Nill

Benefits of Physical activities for Adolescents	04/07/2019	04/07/2019	150	Nill
Improving mental Health thro' Meditation	03/08/2019	03/08/2019	80	50
Census was taken in Perungalur Villages	08/08/2019	08/08/2019	25	50
Gender Seitization For Adolescents	02/09/2019	02/09/2019	209	50
Health/ Environment Awareness competitions	06/09/2019	06/09/2019	40	10
Campus to Corporate Workshop	09/01/2020	09/01/2020	10	Nill
Plantation Program	09/01/2020	09/01/2020	25	Nill
Importance of Womens participation in Indian work force	22/01/2020	22/01/2020	102	97
Puducherry sports and cultural meet	04/02/2020	04/02/2020	70	80
Computer Vision Syndrome	13/02/2020	13/02/2020	295	Nill
Power walk – Women's Commission Programme for International Women day	01/03/2020	01/03/2020	264	40
International Women's Day	08/03/2020	08/03/2020	50	Nill
Women's Day Celebration	11/03/2020	11/03/2020	850	Nill

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
• Solar Energy proposal of 350 KW is made and 50 percent of the power requirement is met. • The following programs were Conducted to create environmental consciousness ? Awareness programmes on Energy Conservation and Efficiency. ? Awareness programmes on Utilization of Electrical Appliances. ? Awareness on plastics ? Waste recycling and Art from waste ? Campus Cleaning, ?

Awareness about COVID-19

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
Rest Rooms	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	06/07/2019	1	Awareness on Solid waste MGT	Solid waste collection and recycling	100
2019	1	1	06/07/2019	1	Awareness on Water Scarcity	Recycling waste water	100
2019	2	1	10/07/2019	1	Awareness on Rain water harvesting	Rain water harvesting	175
2019	2	1	10/08/2019	1	Awareness on Rain water harvesting	Rain water harvesting	175
2019	6	4	03/08/2019	1	Water Rich Puducherry	Water conservation	360
2019	6	4	06/09/2019	1	Water Rich Puducherry	Water conservation	360
2019	3	3	08/08/2019	1	Jal Shakthi Abhiyan	Water conservation techniques	206
2019	1	1	17/09/2019	1	Jal Shakthi Abhiyan	Water conservation techniques	206
2019	1	1	06/01/2	1	Jal	Water c	206

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

Title	Date of publication	Follow up(max 100 words)
Academic calendar	05/06/2019	Academic calendar will be provided to the students for each semester. It includes schedules for odd and even semesters, college credentials, rules and regulations to be followed in the campus. Students are required to follow the dress code prescribed by the institute.
Department news letter	25/05/2020	Two digital news letters will be published for every academic year in the month of December and May. It will be circulated to all students and parents to recognize the achievements of departments.
College Prospectus for students	13/05/2019	College prospectus contains the details of admission procedure, credentials of the college, achievements of students, infrastructure facilities available, placement records, etc,
Service rules	03/06/2019	College has been implementing service rules and code of conduct from the inception. These are printed books supplied to all the employees. The revised rules are approved by Governing Body meeting held in 2019-20. The book directs the individual clear direction to follow code of conduct.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
World Environment	05/06/2019	05/06/2019	475

Day			
International Yoga Day	21/06/2019	21/06/2019	700
Rain water harvesting	20/07/2019	20/07/2019	40
Dengue awareness	03/08/2019	03/08/2019	200
National Conservation Day	03/08/2019	03/08/2019	75
Independence day	15/08/2019	15/08/2019	230
Teachers Day Celebration (Birth Anniversary of Dr. Sarvapalli Radhakrishnan)	05/09/2019	05/09/2019	1500
Food distribution	06/09/2019	06/09/2019	250
Voluntary blood donation camp	06/09/2019	06/09/2019	1279
Human rally for water conservation	06/09/2019	06/09/2019	550

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

* Rain water harvesting * Tree plantation * Solar energy * Plastic free campus * Pedestrian friendly roads * Movement of Vehicles not permitted in the campus- reducing in CO2 emission * Digital office (Paperless communication) * Herbal Garden * Sapling by students of NSS Club * Tree plantation * Solid waste segregation and waste management * Battery operated vehicles * Awareness on sources of green house gases * Clean energy awareness

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best practices: 1 1. Title of the Practice Alumni Forum (Techknocks) 2. Objectives of the Practice Techknocks is the Alumni forum that has been functioning for more than ten years. Rather than calling this a forum, we can say techknocks is a culture. This is a culture that focuses on student's development and celebrates their success. Backing up this culture are our alumni, who are the key to success for the functioning of the techknocks. Techknocks provide the platform for learning a wide range of technology as well as current industry trends. The forum focuses on pitching the current technology to the students and create awareness of what the industry needs are. Techknocks hosts department competitions such as competitive coding and project workspaces are conducted for the students. It provides placement training for the students based on the company terms and goals and moulds them to face the interview rounds confidently with full potential. A series of mock interviews are conducted providing virtual ideas of how to handle a face-to-face interview in the corporate world. New and emerging technologies in the industry are pitched to the students by our alumni thus updating the current industry needs. 3. The Context The following are the issues that motivated the college to conduct the Techknock. To come up with new ideas/new projects To increase the placement count to the students The motivation for the students for participating in different competition 4. The Practice Conducted Learnathon, which gives a platform to work continuously It stands as a bridge between Industry and Education. Students are encouraged to do projects, the best

project will be identified and they will be awarded cash prizes and awards. 5. Evidence of Success Evidence of success performance and Review of results are given below: Won awards and cash prizes in various project contests organized by industries. The Percentage of Placement is increased. Best practices: 2 1. Title of the Practice Student support system for participating in National level competitions 2. Objectives of the Practice It encourages the students to come up with new ideas and projects It improves the practical knowledge of the students Motivating the students to learn new tools and technologies 3. The Context To create awareness among students about the recent technologies Learn new technologies and need of inter-college communication To make the student competent with employability skills 4. The Practice Students are encouraged to participate in all the events conducted by industries and other institution Mentor staff available for participating students Support is provided by department in 360 degrees 5. Evidence of Success Evidence of success performance and Review of results are given below: Won awards and cash prizes in various events organized by IT companies Students received placement offers and internship offers Boost student self-confidence. 6. Problems Encountered and Resources Required There are some problems identified and resources provided to implement the practice. These are: More time and effort should be spent for competitions along with their regular activities. Need more support from industrial personnel

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

https://smvec.ac.in/alumni/#activity-of-alumni

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

EXCELLENCE IN ACADEMICS High quality of academic excellence can provide a value-added experience for the students. The institute aims at stimulating the learning skills with a focus on futuristic demands, vitalizing the teaching-learning process. The college provides the best amenities required for students to enhance their Technical skills, Academics, and Extracurricular activities and brings out the best in them. The college is ranked as the best Engineering college in Pondicherry and the students are received gold medals and university ranks in almost all the batches. The placement cell plays an important part in the institution, ensures that the students are well trained and prepared to face their campus interviews effectively. Training is imparted to the students from their second year in soft skills and technical skills. Various training institutes are training our students on the real-time requirements. Various conferences, guest lectures, workshops, summit, celebrity chats are organized and the students are exposed to the outside world work ethics and all the recent developments and innovations. Students are encouraged to develop their own projects that are funded by both the State and Central Government of India to help them in exploring their creative ideas. The Institution has bagged more projects from DST and Texas Instruments. The Institute is distinctive in providing a global platform to students' teams to participate in national and international competitions like Testimony, Encode, Innovate, Unisys, Zoho Clicktrik, IEEMA, etc. The institution has provided the best possible facilities in terms of infrastructure for teaching, learning and sports activities to make a student dynamic in all dimensions. The Classrooms, Laboratories, Smart classrooms, Group discussion halls, Library and Administrative office are highly conducive to the overall academic environment. Departmental libraries are established to serve the technical aspects of staff and students in each department. Our institution also has automation in a library. Internet and wifi connectivity are available in different segments of

the college. The management provides support for the faculties to carry their doctorate works. Learning is encouraged through workshops, conferences and guest lectures, industrial visits and project contests. Through this, students are learning beyond the syllabus. Several external trainers are brought in to expose students to explore new technologies and areas. Since learning new technologies resulted in our student's internships and job offers in different companies. International certification courses are provided through the Centre of Excellence to make the students industry-ready.

Provide the weblink of the institution
https://smvec.ac.in

8.Future Plans of Actions for Next Academic Year

- To aim at achieving the highest rank of A in the forthcoming NAAC accreditation process by initiating more number of best practices. • To get the NIRF Rank in the forthcoming year. • To create the centre for research in various departments. • To provide more international certification courses to the students in the Associate level of certification through Centre of Excellence. • To strengthen Industry-Institution interaction cell. • To increase more number of patents filed every year. • Planned to install 350 KW of solar plant for power production in our college buildings. • Introduce the new skill-oriented Programmes like B.Tech in Computer and Communication Engineering (CCE), Artificial Intelligence and Data sciences (AIDS), Computer Science and Business Systems (CSBS), Fashion Technology. Also, introduce the new courses from arts and science and Medical allied health sciences are planned to introduce in the academic year 2020-21.