Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**VALLIAMMAI ENGINEERING COLLEGE**
Name of the head of the Institution	**Dr. B. CHIDHAMBARA RAJAN**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04427456703**
Mobile no.	**9443304768**
Registered Email	**principal@valliammai.co.in**
Alternate Email	**iqac@valliammai.co.in**
Address	**SRM Nagar, Kattangulathur, Chengalpet Dist**
City/Town	**Chennai**
State/UT	**Tamil Nadu**
Pincode	**603203**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Semi-urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**K.Guru**
Phone no/Alternate Phone no.	**04427454784**
Mobile no.	**9994260833**
Registered Email	**principal@valliammai.co.in**
Alternate Email	**iqac@valliammai.co.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.srmvalliammai.ac.in/IQAC/AQAR2017-18.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 :	http://www.srmvalliammai.ac.in/attachments/Academic_Calendar_2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.03**	**2015**	**02-Mar-2015**	**20-Sep-2019**
2	**A**	**3.03**	**2019**	**20-Sep-2019**	**31-Dec-2024**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**07-Sep-2012**

7. Internal Quality Assurance System

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

Workshops	07-Sep-2018 1	71
Staff training programmes	17-Jul-2018 11	170
Orientation programmes	13-Jul-2019 1	32
Faculty Development Programmes	24-Jul-2018 2	107
IQAC meeting	27-Mar-2019 1	27
IQAC meeting	12-Nov-2018 1	27
IQAC meeting	11-Jul-2018 1	27

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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
CSE DEPARTMENT	SERB	DST SERB	2018 730	1150000
CSE DEPARTMENT	KOREAN RESEARCH BRAIN POOL FUND	KOREAN RESEARCH BRAIN POOL FUND	2019 365	3000000
ECE /EIE DEPARTMENT	FIST	DST-FIST	2017 1825	4000000
EIE DEPARTMENT	MODROB	AICTE -MODROB	2019 1095	1882000
CIVIL DEPARTMENT	NIMAT	DST-NIMAT	2017 365	160000
CHEMISTRY	SERB	DST-SERB	2014 1095	1900000
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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 :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional	**Yes**

website	
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)

Faculty Development Programs, Workshops and Seminars were organised for ensuring quality in higher education and creating awareness to bridge the gap between teaching and learning process. Academic Calendar for the session was implemented. Institutional Social Responsibility activities were given due importance. Academic autonomy was ensured through systematic check points.

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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
Special Coaching Classes for slow learners	Improvement in results
Value added courses	Students from different streams attended and received certificates for additional courses of their interest
Support for Research and development	Staffs and Students published research journals and proposals
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Body	25-Jan-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	20-May-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019

Date of Submission	07-Jan-2019
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)	We maintain ERP database management system for student academic official progress, Accounts (Financials) progress, Staff official work management system and Centralized purchase (Inventory) and assets maintenance Module 1: • ERP data maintenance for staff and students. • SINGLE DASH BOARD will support all official progress in student end and staff end • Centralized data maintenance for the whole college • We have implemented redundancy data connectivity. hence it helps to maintain Zero downtime. • We implement simple and reliable disaster recovery for all application data storage. • DR location connectivity maintained by the interconnectivity of Point to Point Technology (No data loss or downtime) Module 2: • We offer online teaching and learning pedagogy • Online the compiler will help us to demonstrate the laboratory experiments to students • We have 15 GB Cloud storage for each student and 1 TB storage for staff members for teaching and learning progress. • All students and staff have unique official IDs for the official process. Concept of our MIS: • Data – the data that the information system records • Record keeping – management information systems record all academic and nonacademic transactions of an organization and provide a reference point for the transactions. • Reports –the reports are generated automatically analyzing the data from the filing system and compiling it. • We are maintaining Fast data processing and information retrieval, data accuracy, security, Reduced data duplication, backup systems, Easy access to information The above MIS online systems will help us to analyses the information, and reports data to aid in management decisionmaking and future improvement and upgradation.

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

Valliammai Engineering College is currently having the following mechanisms for effective delivery of curriculum. ? Our College administration provides a well constructed Routine/Academic Schedule/ time table for each semester for both UG and PG classes. ? Number of classes for each topic is decided according to the syllabus and credits assigned to each topic/Group/paper etc. ? Departmental Heads prepare the routine work load and other individual work load which is approved by the Principal duly. ? All the faculties are allotted the subjects as per their interest. Once the subject is allotted the concerned faculty members prepare lesson plan according to which they handle the classes so as to ensure the proper completion of syllabus. Faculty members refer text books and standard reference books and prepare hand written notes for lecture delivery. ? Faculty members prepare their lectures according to the syllabus allotted and classes available. ? Classes are held according to the schedule under the supervision of Head of the Department. ? Our central Library is a paradise for those who have a passion for reading Books and enthusiasm for widening their knowledge base in depth and extent. It has a fully equipped spacious library in an area of 2700 Sq.m is spread over 2 storeys and is housed in the New Block. The college has also subscribed for journals and magazine periodicals including IEEE online journal, to give an exposure to our students to the latest technology. The college has a very good separate reference section, two reading halls, a reprographic section and a CD section to cater to the needs of the students and faculty. ? Our college has NPTEL (National Programme On Technology Enhanced Learning) chapter where students can have the access of e-learning through online Web and video courses for various streams. ? Various classroom teaching methods based on various needs of different subjects are regularly used for the effective delivery of the curriculum such as • Chalk and Blackboard method • ICT-enabled teaching-learning method. • Use of Scientific models and charts for effective lecture delivery. • Micro-teaching and seminars by students related to curriculum. • Guest Lecture on various subjects are regularly conducted to teach the recent advancements. • Workshops are conducted to enhance the skills of students • Students are sent to industries to learn the practical requirements and to get knowledge of how, what they have learnt is being used. • Students are being regulated to attend in plant training & internship to various companies and government organizations.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Construction concept of p refabricated structures in collabora tion with Sree association.	Certificate Course	31/01/2019	20	Employabil ity	Knowledge gained on Pr efabricated Structures.
Analysis Software using STAAD.	Certificate Course	31/01/2019	20	Employabil ity	Knowledge gained on STAAD. Pro

Pro Foundation engineering	Certificate Course	01/07/2018	84	Employabil ity	Understand ing the behaviour of soil
Geotechnical engineering laboratory	Certificate Course	10/08/2018	28	Employabil ity	Testing the soil strength
Landscape Architecture and site planning	Certificate Course	10/08/2018	28	Employabil ity	Digital elevation modelling enables quick and accurate surveying.
Matrix method for Structural Analysis	Certificate Course	10/08/2018	56	Employabil ity	Understand ing the behaviour of structure
Advanced Concrete Technology	Certificate Course	01/07/2018	84	Employabil ity	Know the material properties and applying to during design.

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	NA	Nill
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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
Nill	NA	Nill

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

	Certificate	Diploma Course
Number of Students	0	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
Construction concept of prefabricated structures in collaboration with Sree association.	04/08/2018	32
Analysis Software using	31/01/2019	63

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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
BE	CIVIL	22
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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
The students of each class are guided to the Computer Lab as per a pre-planned schedule. Randomly generated User ID Password are distributed to the Students. They login to the Online Feedback Web portal and submit the filled in feedback questionnaire for each and every subject. The questionnaire is designed to enable them to give their opinion as Very Good, Good, Satisfactory or Not Satisfactory. The consolidated reports are generated online and submitted to the HOD Principal. Later, the consolidated report will be sent to the individual faculty members. Feedbacks from students on campus infrastructure facilities are obtained regularly through College web portal/ Facebook/ Suggestion box / email. Based on the feedback, if there are any drawbacks identified, it will be rectified. The action taken report will be displayed in the public domain. 'Complaints and suggestion register' are available at different places such as Library, Hostel etc. for easy access of students.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MBA	MANAGEMENT	120	118	115
BE	MECHANICAL	180	68	68
BE	IT	120	91	91
BE	EIE	120	22	22
BE	EEE	120	43	43
ME	CS	18	2	2
BE	ECE	180	122	122
BE	COMPUTER SCIENCE ENGINEERING	120	98	98

ME	STRUCTURAL ENGINEERING	18	50	17
BE	CIVIL ENGINEERING	180	40	17
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	572	143	232	14	236

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
47	47	Nill	15	3	Nill
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring system : Total Development Number of faculty mentors : 24 Number of students per mentor : 20 per mentor Frequency of meeting : 3 per semester / Need based Effectiveness : Each student has to fill up a Student Data book with details of parents/guardian, addresses, contact numbers and an academic history of student marks in all university examinations and periodical tests. The Student Data books are maintained by the mentors. Any personal difficulties of the student will be discussed by the mentors and the same is recorded in the students data book. Yes. Student Mentoring System is adopted in the Institution. • This enables bridging gap between the Teachers and Students. • This creates a better environment in the college, where students can approach teachers for both educational and personal guidance. • It is happening in weekly once and motivate students to attend holistic activities like placement, internship and technical symposium. • Providing guidance/suggestions for the slow learners. Mentoring of students is assigned to the all the faculties. A minimum of 15 to 18 students is allotted to each faculty. The faculty has the responsibility of caretaking those students performance in academics, his class attendance and overall activities. The mentors track the student details till he graduates. Faculty mentors obtain the parent details of the students such as their occupation, residence, income etc. Students progress is being intimated regularly over phone and post. Parents meet the mentors when they visit the college for parent teacher meet. The greatest challenge that faculty face with incoming students is helping them make the transition from the format of school to undergraduate education—the short-term goals, predictable closure and tight structure of semester scheme. Mentors also bother about the notion of scientific integrity, the better prepared they will be to deal with ethical questions that arise in their own work. Mentors advise them to adhere to department ambience, other faculty acquaintances, and off-campus people met through jobs, internships, or chapter meetings of professional societies. Building a professional network is a lifelong process that can be crucial in finding a satisfying position and career. Mentors are aware of students who seem to be finding it particularly difficult to take active roles in academic or social settings and take the initiative to include them. Ask them about their research interests, hobbies and activities outside of their program. Mentoring also helps in overall development of the student psychology and his attitude towards education.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio

595	246	1:2

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
240	240	0	18	55

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
Nill	NA	Nill	NA

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MBA	413	EVEN	22/03/2019	23/06/2019
MBA	413	ODD	08/10/2019	31/12/2019
BE	103	EVEN	22/03/2019	23/06/2019
BE	103	ODD	08/10/2019	31/12/2019

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

1. For Internal - Periodical Test Question papers are set by the subject faculties with reference to university question papers considering the following factors: i. Coverage of portion. ii. Equal weightage to the units. iii. Using two sets of question papers. iv. Questions with appropriate difficulty level. v. Proper split of marks. vi. Inclusion of both short and long questions. vii. Questions are taken satisfying the Blooms Taxonomy. viii. Blooms Taxonomy is followed to help the students to learn and represent what they have learnt in different levels. ix. Blooms Taxonomy includes six levels which include Remembering, Understanding, Applying, Analyzing, Evaluating and Creating. 2. Exam Co-ordinator will check the soft copy of question paper and answer key to ensure the quality of question paper. In case of deviation, question papers will be revised. 3. Assignments are given to students for all the subjects and their performance is analyzed. 4. Answer sheets are exchanged among the faculty members handling same subjects and evaluated. 5. Three Internal Assessment Test are conducted and are being evaluated within 3 days after completion the exams. 6. Internal marks are allotted based on the assessment test marks and the student's attendance Percentage. 7. If a student fails to attend Periodical Tests the student will be awarded zero mark. Retest will be conducted only for the student with genuine reason. 8. Improvement test for periodical test 1 and 2 are conducted based on students request.

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

words)

2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words) An academic calendar is prepared by the institution as per the university notification. The academic calendar consists of a. Vision and Mission of the institution. b. Member of governing council. c. List of teaching and non-teaching staff members of all the department. d. Information about students counselling cell and boys and girls hostel. e. Rules and regulation of our college and campus facilities. f. Timings of college bus. g. Events and activities to be conducted as per date and day for the entire semester. h. Information about extra-curricular activities and co- curricular activities. i. Days of national importance. 1. Academic calendar schedule is prepared in the beginning of each semester with the help of academic committee. 2. All the department are adhered to strictly follow as per the academic calendar 3. Three Internal Assessment Test are conducted as per the academic calendar. 4. All the technical club activities in the departments are also indicated in the academic calendar. 5. Prior notification to the students about academic calendar. 6. Academic Calendar of the year is attached.

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)

http://www.srmvalliammai.ac.in

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
114	BE	MECHANICAL	172	128	74.41
205	BTech	IT	102	95	93.13
107	BE	EIE	84	64	76
411	ME	PSE	2	2	100
105	BE	EEE	116	90	77.58
403	ME	CS	3	3	100
106	BE	ECE	148	121	81.76
104	BE	CSC	88	79	89.77
413	ME	SE	18	18	100
103	BE	CIVIL	162	128	79.01
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2.7 – Student Satisfaction Survey

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

https://www.srmvalliammai.ac.in/sss.html

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding	Total grant	Amount received

		agency	sanctioned	during the year
Any Other (Specify)	Nill	DST-NIMAT	160000	160000
International Projects	365	KOREAN RESEARCH BRAIN POOL FUND	3000000	3000000
Students Research Projects (Other than compulsory by the University)	90	TNSCST	0.75	0.75
Projects sponsored by the University	180	SRMVEC	0.25	0.25
Major Projects	1825	DST-FIST	3800000	2902726

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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
Drafting for Patent Filing	CSC	28/12/2018

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
Longest Continuous SBC Awards	Dr.M.Senthil Kumar	CSI	20/01/2018	Teachers

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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
Support for Entrepreneurial Managerial Development of SMEs through Incubators	MSME	MSME	NA	NA	Nill

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
CSC	1
ECE	2
IT	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CIVIL	20	3.7

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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
MATHS	4
MCA	1
IT	4
MECH	1
ECE	9
EIE	1
MBA	1
EEE	1
CSC	2
CIVIL	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
Enhanced Brain Image Retrieval using Carrier Frequency Offset Compensated Orthogonal Frequency Division Multiplexing for Telemedicine Application	Dr.S.Ramesh	International Journal of Imaging Systems and Technology	2018	1	Valliammai Engineering College	1

s						

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
Bit Error Rate Minimization Using Slm Technique In Tft-Ofdm For Mobile Large-Scale Mimo Systems	Dr. R. Meenakshi	International Journal Of Biomedical Engineering And Technology Scopus	2018	1	1	Valliammai Engineering College

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	16	24	82
Presented papers	46	19	1	6
Resource persons	1	0	0	21

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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
Stress Management and Stationary Drive	NSS	2	15
Disaster Management	NSS	4	35
Swachh Bharat Summer Internship Programme	NSS	5	15
International Yoga Day	NSS	4	10
Kerala Relief Efforts	NSS	3	30

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
NSS	Best NSS unit award	NSS, ANNA UNIVERSITY	0

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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Swach Bharath Summer Internship Programme	NSS/VEC	Cleaning roads and Garbage	1	Nill
International Yoga day	NSS/VEC	Students and Staff Members participation in Yoga	20	Nill
Tree Plantation	NSS/VEC	Plants saplings planted in SRM VEC	1	Nill
Rashtriya Ekta Diwas	NSS/VEC	Commemoration Of Sardar Vallabh Bhai Patel role in integrating India	1	Nill
Gaja Cyclone Relief	NSS/VEC	Distribution of essential food supplies to affected people.	1	Nill
Plastic Eradication Awareness Camp	NSS/VEC	Removing the plastics and throwing it in dustbin	1	Nill

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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Faculty Exchange by SakRobotix Lab Pvt. Ltd. StartUp Centre ,IIT Bhubaneswar ,Samantapuri, Gajapati Nagar,	63 students and 3 faculties	0	3

Bhubaneswar, Odisha 751013				
Entrepreneurship development cell of VEC	53Students	Rs.34,450/-		1

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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Internship	Infogro Technologies	03/12/2018	07/12/2018	J.Mashiya Vinifred

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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
Madras Engineering Industries Pvt Ltd	08/02/2019	Skill and Knowledge enhancement	25

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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
15328573	7020248

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Laboratories	Newly Added
Classrooms with Wi-Fi OR LAN	Existing

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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
NEWGENLIB	Fully	3.1.1	2007

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total

Text Books	42910	13613381	718	267009	43628	13880390
Reference Books	5195	1738134	89	42275	5284	1780409
Journals	172	489330	191	548569	363	1037899
e-Journals	9446	2209070	12518	1209403	21964	3418473
CD & Video	2886	0	52	0	2938	0
Weeding (hard & soft)	0	0	103	28325	103	28325

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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
Dr. B. Muthusenthil	Spanning Tree in Graph Theory and Application	YouTube Channel https://www.youtube.com/watch?vN3S71g6XRRU	27/07/2019

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1329	1139	100	14	34	16	98	70	28
Added	0	0	0	0	0	0	16	130	0
Total	1329	1139	100	14	34	16	114	200	28

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

200 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
Recorder available at Principal office with following specification Canon EOS 750D 24.2MP Digital SLR Camera (Black) • 24.2 megapixel • CMOS image sensor • DIGIC 6 image processor • TFT colour liquid-crystal monitor • 7 levels of manual brightnes	https://www.youtube.com/channel/UCsXSZ13_sXTiNqlxA9GXTsw

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
360500	238324	3964440	454601

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)

The college ensures optimal allocation and utilization of the available financial recourses for maintenance and upkeep of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received the college as per the requirements in the interest of students Laboratory- Record of maintenance account is maintained by lab technicians and supervised by HODs of the concerned departments. Other measures to maintain laboratories are as follows: • The calibration, repairing and maintenance of sophisticated lab equipment are done by the technicians of related owner enterprises. • The microscopes used for biological and geological experiments are annually cleaned and maintained by the concerned departments and record of maintenance is maintained by lab technicians and supervised by HODs of the concerned departments. • There is systematic disposal of waste of all types such as bio-degradable chemical/chemical and e-waste. Library- The requirement and list of books is taken from the concerned departments and HoDs are involved in the process. The finalized list of required books is duly approved and signed by the Principal. • The Library has special facility for visually challenged students by setting up two special computers for them. • Suggestion box is installed inside the reading room to take users feedback. Their continuous feedback helps a lot in introducing new ideas regarding library enrichment. • To ensure return of books, 'no dues' from the library is mandatory for students before appearing in exam. • The proper account of visitors (students and staff) on daily basis is maintained. • Other issues such as weeding out of old titles, schedule of issue/ return of books etc are chalked out / resolved by the library committee.

https://www.srmvalliammai.ac.in/library.html

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Management concession	122	8846250
Financial Support from Other Sources			
a) National	Govt Scholarship	984	7717725
b)International	NA	0	0
View File			

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	Date of implemetation	Number of students	Agencies involved

enhancement scheme			enrolled	
No Data Entered/Not Applicable !!!				
View File				

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
2018	Career Counselling	100	100	0	0
2018	GATE	43	0	0	0
2019	Career Counselling	0	93	0	66
No file uploaded.					

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
3	3	7

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
Accenture	447	231	TCS	360	8
View File					

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
2018	10	Civil Engineering	Civil Engineering	Anna University	M.E - Structural Engineering Construction Management
View File					

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
GATE	1
View File	

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

Activity	Level	Number of Participants
Cultural activity- SRM VEC Youtube Channel Vallinam	Institution Level	7
[View File](#)		

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
2018	Anna university zonal athletic meet	National	1	1	41281763 1004	R.Abinaya
[View File](#)						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Our College encourages the students in various academic and administrative bodies by creating a platform for the students to participate in various other activities. This endows the students to achieve execution skills, gaining headship qualities, rules and regulations. Each council has a representative council, which is called Class Committee and includes student members too. The class committee meeting was conducted periodically headed by the year coordinator. The student members bring the views and suggestions of the entire class with respect to the faculty, subjects, syllabus and other things related to the class. The composition of student members is of one topper, one average and one slow learner (the one who has more integrity with other students) of each section are nominated as class representatives, for all the sections from II Year to Final Year. The Student Councillor helps students share ideas, interests, and concerns with lecturers and principal. They often also help raise funds for -wide activities, including social events, community projects, helping people in need and college reform. Various programs like paper presentations, workshops and seminars are organized by these bodies every year. We have formed 6 student committees such as VECTORIANS cultural Club, Academic Committee, Anti-Ragging Committee, Sports committee, Grievance Cell, Tamil Mandram. The funding for various activities of the internal college bodies is provided by the College Management. VEC ROBOTICS CLUB: • Signed MOU with SakRobotix Lab Pvt.Ltd, IIT Bhubaneswar for establishing Centre of Excellence in robotics laboratory dated 12th June,2018 • College provided separate lab setup with all computing facilities with an amount of Rs. 429660 • 70 students from department of EIE, ECE and EEE have registered the course (Three years course) • Conducted two levels of training for the robotic club students • Conducted workshop on "Learn the Bot" for school students around Chengalpattu. Total participant: 130 • Conducted Skill Development Programme in collaboration with Entrepreneurship Development Cell, SRM VEC for all departments. Registered: 60 students • Students from Second year participated in ROBOVR Techfest, IIT Mumbai and won first prize in the event ROWING and SWIMMING out of 150 batches • Our institution sponsored an amount of Rs.16827 for the project design • 25 various events students participated in various colleges for robotics ISA CHAPTER: The ISA-VMEC section is the brainchild of the

Department of Electronics and Instrumentation Engineering. Is was established with the support from the management in the Academic year 2013-2014. Our ISA-VMEC is now attached to the ISA South India section. Mission-Enable our members, including world-wide subject matter experts, automation suppliers, and end-users, to work together to develop and deliver the highest quality, unbiased automation information, including standards, training, publications, and certifications. Vision-ISA sets the standard for automation by enabling automation professionals across the world to work together for the benefit of all.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association of Valliammai Engineering College has registered, and every year alumni meet and guest lecture has been conducted to enhance the knowledge skills of the students. The alumni help in bringing industries and companies for campus Placements and provide employment opportunities to the students. • It is Registered unit under The Tamil Nadu Societies Registration Act, 1975 (Tamil Nadu Act 27 of 1975) in the name "SRM VEC ALUMNI ASSOCIATION" on 5th December 2018 at Chengalpattu, kancheepuram District. • All the students who have passed out of the college are members of the unit. • It is a good platform for strengthening the relationship between the alumni. • Alumni meets are conducted to facilitate the bonding between the institution and the alumni. The Details of the office bearers are as follows. S.No Name Dept/Branch Position 1 Mr.C.Karthick CSE/2003 President 2 Mr.A.Yashwin Vignesh EIE/2011 Joint Secretary 3 Mr.I.Shiv Shankar CSE/2015 General Secretary 4 Ms.C.Pabitha CSE/2007 Treasurer 5 Mr.P.Balaji EIE/2006 Executive Members 6 Mr.S.Mohamed Mobeen MBA/2014 Executive Members

5.4.2 – No. of enrolled Alumni:

719

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

110900

5.4.4 – Meetings/activities organized by Alumni Association :

SHIMMER 2018 Alumni Meet conducted on 09.12.2018, a total of Rs.93,047 (Rupees Ninety Three Thousand and Forty Seven Only)was spent towards the expenditure of conducting the event. 75 alumni participated in the event and shared their experiences. The following activities are conducted every Academic Year by Alumni Association Alumni meet conducted every year. Alumni Guest Lecture. Few students of the alumni are entrepreneurs they motivate and guide the students to become entrepreneurs. An inspirational talk was conducted successfully with our EIE Alumnus Mr.K.Sundar (2012 Passed out batch), a resource person from Infosys Ltd, Chennai on 09.03.2019. On 08.01.2019, Mr. Sathiskumar P (2012 Passed out batch), Senior Software Engineer, Health Plix, Bangalore was invited to deliver a guest lecture on "Placement Opportunity for EIE Students"

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)

A well decentralized model of working system is followed at VEC. Principal discusses with the HODs to finalize important decisions. Freedom is given to HODs to improve their departments in all aspects. Decentralization is having a

significant impact on policy, planning and management of elementary education. To promote quality of education to all sections of people in academic, social, political and aiming to develop a responsible management. At the same time, decentralization is seen as a means of improving the efficiency of education system and the quality of educational services. At various levels the college grooms the leadership. Governing body, Management, Principal, Vice Principal, IQAC Members, Steering committee, teaching staff, non-teaching staff, supporting staff, student's union, student representatives, Stakeholders, Aluminies and various committees jointly empowered to propose, design, formulate and execute their plans within the frame work of governance. The Academic, Administrative, NCC, NSS, IQAC all are working together for the smooth running and over all functioning of the college.Seven research centres have been established that operate autonomously within the campus. The student support and academic activities are decentralized by conducting value added courses, Tamil Mandram, CSI Student branch and various club activities. Grievances Redressal Cell , Women Grievance redressal cell , Anti-ragging Committee , Industrial Training ,Placements and student counciling for the betterment of staff and students Decentralization Institute has a mechanism for delegating authority and providing operational autonomy to all the various functionaries to work towards decentralized governance system. 1. Principal Level The Governing Body delegates all the academic and operational decisions based on policy to the Academic Monitoring Committee headed by the Principal in order to fulfil the vision and mission of the institute. Academic Monitoring Committee formulates common working procedures and entrusts the implementation with the faculty members. 2. Faculty Level Faculty members are given representation in various committees/cells and allowed to conduct various programs to showcase their abilities. They are encouraged to develop leadership skills by being in charge of various academic, co-curricular, and extracurricular activities. They are given authority to conduct industrial tours and to have tie up with industry experts and appointed as coordinator and convener for organizing seminars/workshops/conferences/FDPs. For effective implementation and improvement of the institute following committees are formed. Other units of the institute like sports, library, store etc. have operational autonomy under the guidance of the various committees/cells. Committee/cell/Coordinator Roles and responsibilities Principal Implementation and monitoring of academic and administrative system to cater to vision and mission of the institute Academic monitoring committee Academic development and monitoring progress of various teaching/learning processes PG Coordinator Academic activities of PG programmes Examination committee/College Examination Officer Internal University examination activities Research committee/Academic Research Coordinator Academic and research activities NSS Coordinator NSS activities of SRMVEC Training placement and career counselling cell Training and Placement activities Entrepreneurship Development Cell EDC activities Student welfare committee Planning, execution and supervision of activities of student association Cultural and sports committee Planning, execution and supervision of cultural and sports activities Student grievances redressel committee Attending and redressal of

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

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	Admissions are made upon the basis of Tamil Nadu Engineering Admissions-single window system

	procedure for the government quota students and through the consortium of self-financing engineering colleges for the management quota students.
Industry Interaction / Collaboration	The institution emphasizes upon career development of the students. This can be achieved by establishing MoUs with reputed core industries to enhance Industry-Institute Interaction activities like internships, industrial visits, in-plant trainings, value added courses, industrial projects, guest lectures etc., for the benefit of students.
Human Resource Management	As per the AICTE Anna university norms, faculty and staff requirement is forwarded to Recruitment committee consisting of Principal, Dean Academics, HOD, senior faculty and External subject expertise for further action. Arranging various orientation programmes for both teaching and non-teaching faculty members for upgrading their skills in their respective fields using latest technology. Incentives are given to the faculty members for presenting research papers in reputed Journals / International and National Conferences. Faculties are supported financially to attend Conference / Workshop FDP's conducted outside the Institution.
Library, ICT and Physical Infrastructure / Instrumentation	Library has sufficient e-journals which include Science direct, Springer IEEE etc. and sufficient back volumes for all the departments. Digital library facilities with National and International online journals are also provided. Library administrations like issue / return of books are maintained through commercial library software. The library building is enabled with Wi-fi facility. Every year, additional volumes of books are added based on the requirements from all the departments. ICT: All class rooms, tutorials rooms, seminar halls, laboratories pertaining each department is enabled with ICT tools. For every subject, power point presentation and animated videos are being prepared by the faculty members and it is used for taking classes in an interactive way. College library has a fully equipped spacious library in an area of 2700 Sq.m is spread over 2 storeys and is housed in the New Block. The college has also subscribed for 315

	journals and magazine periodicals including IEEE online journal, to give an exposure to our students to the latest technology. The college has a very good separate reference section, two reading halls, a reprographic section and a CD section to cater to the needs of the students and faculty. The Strength of Library and Services provided in the Library include: • Fully computerized working Systems. • 15,847 Titles and 48,902 Volumes (availability exceeds AICTE Guidelines). • 12,541 Indian/ Foreign Journals / Magazines / Online Journals from IEEE and ASME. SRMVEC has been developed and fully established with 5 imposing multi-storeyed Academic Blocks and 2 Workshop Blocks. All the laboratories have adequate facilities with the latest equipment and machinery to provide optimum exposure to students to learn the subjects both in theoretical and applied aspects. • Main Block 1 2 • New Block • First year block • Civil Engineering Block The Buildings house fully furnished Laboratories, Class rooms, Drawing halls, Conference halls, Offices for HODs, Staff rooms, Seminar Halls, Department Libraries and other facilities as per 'AICTE Norms and Standards'.
Research and Development	The Research and Development Cell is established with an objective of promoting research by students and the faculty members in newly emerging and challenging areas of Engineering, Technology, Science and humanities. RD Cell encourages the faculty members and students for sending research proposals and receiving funds from various research bodies. Faculty provided with On – Duty, Registration fee refunds for participating in conference, FDP, Seminars etc. Encouraging faculty to organize, attend and present papers at state/national/international conferences and seminars. Faculty members and students are motivated to publish their research papers in reputed national and international journals / conferences. Faculty members are guiding the students to do grant-in aid research under student project scheme. Experts from reputed institutions are invited for R D related interactions. The project

	proposals are usually examined and evaluated by the Project scrutinizing committee before they get sent to the funding agency. 1.Staff members are motivated to take up UGC Research Projects (Major and Minor), AICTE RPS, DST, DAE and publish research articles, apply for patent. 2. Students are motivated to opt research based projects in final year which helps to inculcate research aptitude among the students. 3. All the departments have been equipped with computer and internet facility. 4. Encouragement is given to faculty members to attend international/national conferences/symposia/seminars. 5. Institute organises International /National conference/seminar/workshops regular basis.
Examination and Evaluation	? Three Internal Assessment Test are conducted and are being evaluated within 3 days after completion the exams. ? Internal marks are allotted based on the assessment test marks and the student's attendance Percentage. ? Theory and practical examinations consists of two components Namely, External evaluation for 80 marks and internal evaluation for 20 marks. Every day Slip test are conducted for all the subjects. ? The attendance as well as the assessment marks is communicated to the parents through mobile, e-mails, letters and parent teachers meeting conducted every semester to review the performance of the students. ? Counselling of students every month to find out the academic progress and guide them towards improvement based on remedial classes. 1.In each semester three periodical tests are conducted. 2. End semester examinations are conducted twice in a year. One in July-Aug and the other in Nov-Dec. 3. University forms a list of competent examiners for evaluation. 4. Students can also review their copies through proper channel and procedure.
Teaching and Learning	Outcome based education method has been followed and developed. Creation of learning environment in classes which includes critical thinking, case analysis and innovative method. For all programmes practical orientation is insisted in the form of projects, Mini projects, industrial visit, guest

		lectures, workshops, seminars and symposium. Teaching and Learning process is strengthened with the help of e-learning Resources NPTEL) and On-line Learning (Model) software. Faculty development programmes and in-service oriented trainings are conducted every semester to enrich their teaching-learning methods. Remedial classes are given to slow learners. Mock interviews and group discussion are a part of simulation exercises helping them in placements. Mentoring and counselling of slow learners are part of teaching and learning process. 1.Departmental meetings be arranged periodically to review the progress of the academic plan for the current year. Appropriate measures are taken through extra classes. 2. Preparation of Objective Driven Teaching Plan. 3. A detailed lesson plan in accordance with the learning objective is to be prepared. Academic 4. Continuous evaluation diary maintained by our Faculty Members will be continued, which contain • Administrative, curricular and co-curricular activities • Study Objective • Lesson Plan • The topic and the class engaged • Teaching methods • Questions results of the surprise test 5. Evaluation of teachers by students will be conducted periodically through online systems and will be intimated personally. 6. Class analysis of each faculty members is conducted annually by external expert. Expert comment/ suggestions are shared with the faculty members for improvement. 7. Internal academic audit will be conducted.
	Curriculum Development	As an affiliated College, the Institution follows Anna University curriculum. Through Curriculum Enrichment Committee, we discuss with Internal and external experts from academia and experts from Industry and Alumni for Enriching the Curriculum. By involving the stakeholders in the curriculum design, the college ensures that the curriculum developed encompasses components for employability, research, topics in emerging trends, social relevance and social needs. The College follows a systematic process in the design and development of the curriculum. Syllabus is subjected to periodic updates. Feedback from each course teacher is

collected by the respective coordinators which is consolidated and forwarded to the Board of Studies to be considered at the time of revision. Feedback from employers and alumni gives direction on the required modifications to be made in the syllabus. Subject experts both from academia (Professors from other Universities) and industry who are on the Board of Studies are consulted before revision of syllabus. The Board of Studies frames the curriculum and the detailed syllabi of each program, after the discussion among its members. The suggestions of the board will be taken up by higher bodies such as Committee for PG Programs and Academic Council. Departments introduce new electives in emerging areas on a regular basis as per current and projected needs. Faculty members are asked to maintain a separate file regarding the changes needs to be made in the next curriculum revision based on their day- today experience with the course content current issues. Internships: Compulsory for U.G and PG Students Courses comprises Lectures/Tutorials/Labs. Seminars/Group Discussions/Presentations are highly encouraged Enrichment courses to support regular academic courses, Soft skills training programme for final year UG and PG students, Cultural education classes to inculcate social, ethical and moral values.

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

E-governace area	Details
Planning and Development	Implemented SMS system for dissemination of information including regular notice to all stakeholders. To contribute to the development of human resources in the form of professional engineers and managers of international excellence and competence with high motivation and dynamism, who besides serving as ideal citizen of our country will contribute substantially to the economic development and advancement in their chosen areas of specialization. To build the institution with international repute in education in several areas at several levels with specific emphasis to promote higher education and research through strong institute-industry interaction and

	consultancy.
Administration	The Administration of the College is functions with E-governance system at Government, Society and College level. With the help of developed technological world like Whats up, facebook, SMS college staff uses the same for administration purpose.Such as use of Smartphone with inbuilt social app like Gmail and WhatsApp they share the notes to students. It helps to provide the brief notice of any event to be happened on college. WhatsApp Group for awareness and of smooth functioning of the same. The college have Biometric attendance for teaching and non-teaching staff. The college campus is equipped with CCTV Cameras.
Finance and Accounts	The college uses the e- Varsity ERP for transparent functioning of Finance and Accounts department of the college. This helps to increase the efficiency of staff towards the accuracy in financial transactions. The college conducts regular audit of annual books of accounts. The administrative office keeps the all financial records separately as per the events and transactions made for. The administrative office maintains the Books of Accounts properly which helps in auditing procedure.
Student Admission and Support	The most important key factor of the college toward the students admission and support is that college has system which allows the student to take admission fee for every academic year. College has extended helping counter for the students which provides them several services as such Admission form Filling, Examination form filling as well as Scholarship Form filling at one place only. This service counter protects the students from outside service centre where they need pay fees for it. The Helping counter i.e. service centre provided at college is free of cost. The College has provided the facility to the students for linking the contact number with aadhar card which was mandatory for the students as per the government rule
Examination	The College has the separate Examination department for examination purpose. As per the requirement of Examination department all the

necessary equipments are provided by the college such as Separate Desktop and Internet Facility for online procedure of Paper Downloading and further activities for exam purpose. The examination department has the separate Machine for printing the question papers downloaded from university portal.

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
2018	Dr.M.Murugan	International society of Automation	International society of Automation	120050
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	Skill Development Training Programme on Delegation and Empowerment	Skill Development Training Programme on Delegation and Empowerment	14/06/2019	14/06/2019	Nill	30
View File						

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
FDP on Environmental Engineering	38	15/11/2018	20/11/2018	6
View File				

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

Teaching	Non-teaching

Permanent	Full Time	Permanent	Full Time
49	49	14	14

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Staff Welfare Fund EPF GSLI (Group Savings Linked Insurance) Laptop Children Welfare Staff Quarters SRM General Hospital Maternity leave Transport Facility Sponsorship Ph.D. Allowance Cash Award	Staff Welfare Fund EPF GSLI (Group Savings Linked Insurance) Children Welfare SRM General Hospital Maternity leave Transport Facility	SSI (Student Safety Insurance) SRM General Hospital Management fee waiver for economically backward and meritorious students. Library card provided for meritorious 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 institute has a mechanism for internal and external audit. We have our own internal audit mechanism where internal audit is an ongoing continuous process in addition to the external auditors to verify and certify the entire Income and Expenditure and the Capital Expenditure of the Institute each year. Qualified Internal Auditors from external resources have been permanently appointed and a team of staff under them do a thorough check and verification of all vouchers of the transactions that are carried out in each financial year. Likewise an external audit is also carried out on an elaborate way on quarterly basis. The institutional accounts are audited regularly by both Internal and statutory audits. So far there have been no major findings / objections. Minor errors of omissions and commissions when pointed out by the audit team are immediately corrected / rectified and precautionary steps are taken to avoid recurrence of such errors in future. The institute regularly follows Internal external financial audit system. • The institute has a mechanism for internal and external audit. We have our own internal audit mechanism where internal audit is an ongoing continuous process in addition to the external auditors to verify and certify the entire Income and Expenditure and the Capital Expenditure of the Institute each year. • Qualified Internal Auditors from external resources have been permanently appointed and a team of staff under them do a thorough check and verification of all vouchers of the transactions that are carried out in each financial year. Likewise an external audit is also carried out on an elaborate way on quarterly basis. • The institutional accounts are audited regularly by both Internal and statutory audits. So far there have been no major findings / objections. Minor errors of omissions and commissions when pointed out by the audit team are immediately corrected / rectified and precautionary steps are taken to avoid recurrence of such errors in future. The institute regularly follows Internal external financial audit system.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Khivraj charitable trust	6000	Seminar / Symposium
View File		

6.4.3 – Total corpus fund generated

4215500

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	TUVRheinland, ISO, NBA,NAAC	Yes	ISO Department Coordinators
Administrative	Yes	ISO, NBA,NAAC	Yes	ISO Internal Audit

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

1. NBA ---Interaction with parents 2.NAAC- Advisory committee meeting every six months for three years involving parent as a member • First Year Meetings (2018 Batch) : PTA arranged a function to welcome the first year students and their parents on the day of commencement of the first year classes. A well-arranged meeting was conducted on 01st August 2018 Counselling for students: Department of EIE conducted a Counselling Session for their wards with the assistance of P.T.A. on 23.02.2019.

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

Staff Development Training Programming---1.Excel, 2.InDesign, 3.Python SDP/STTP Events Attended details for Academic Year (2018-2019) S.No Title Date Organized by No. of Participants 1. Role of Emotional Intelligence 9.11.2018 EIE/VEC 01 2. Fundamentals in Networking and MS-Office 16.11.2018 IT/VEC 01 3. Making Woods Joints and Pipe Fittings 22.11.2018 CIVIL/VEC 02 4. Team Building and Behavioural 10.12.2018 Placement/VEC 02 5. MS-EXCEL 05.12.2018 CSE/VEC 02 6. Hands on Training on LED Fabrication 30.11.2018 EEE/VEC 01 7. Conflict Management and Confrontation Skills 14.12.2018 MBA/VEC 01 TOTAL 10

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

6.5.4 Post Accreditation initiative(s) (mention at least three) 1. ISO Audit (Internal and External) 2. NAAC- Post Accrediation----Research center 3. NBA- Post Accrediation----- • Centre of excellence-Laboratory(IOT,Machine learning and Data analytics, Cloud computing, Network Security) • MOU signed • Entrepreneurship Awareness Camp--DST-NIMAT • Student Project Scheme-TNSCST • Empowerment and Equity Opportunities for Excellence in Science--DST-SERB • Support for Entrepreneurial Managerial Development of SMEs through Incubators—MSME Curriculum for the Future The institution engineered the modernization of its curricula during the post- accreditation phase, and now significant up gradation and innovative changes are brought in the curriculum. The curriculum is designed incorporating: a) recent trends in industry to suit the course syllabi, value added courses, b) soft skills education, c) internships with mini projects in all UG and PG Courses, d) Participation in co- curricular, extra-curricular and extension activities such as seminars, group discussions and assignments. The statutory bodies of autonomy i.e The – Board of Studies (BoS), Academic Council and Governing Body was constituted to fulfil the requirements of autonomous institution. Meetings of these bodies are held regularly and all the constructive recommendation of the bodies for the improvement of quality of the institution is being implemented. The changing industry scenarios and advances in technology require added skill sets from potential employees. Impulsion on career growth requires restructuring of the curriculum. The institution is offering skills development courses under the TN state government .The institution is also offering few training classes to

students to improve their technical and personal communication skills Teaching -Learning process Quality Sustenance – • The process of admission based on academic records and transparency has been continued. • Student's performance assessment is measured based on Tests, Tutorials, and Orals examinations. • The encouragement through supplying reference material and providing question bank has been continued for advance learners. • Lesson (Teaching) plans form faculty members are sought as before and Lesson Plan Monitoring Committee has been monitoring the work as before. Enhancement Measures – • College prospectuses, advertisement website, information brochure, are the mechanism used to publicize the information regarding admission • Remedial coaching for slow learners is being organized through Institute funds. • Project, case study, field visits based learning mode i.e. learning by doing has been implemented for advance learners. • SWOC analysis of students is done at entry level, their academic needs are assessed and accordingly students are helped during the academic programme. The student performance and counselling records are in

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
2018	ISO Internal Audit	12/03/2018	12/03/2018	06/04/2018	8
2019	ISO Internal Audit	04/02/2019	04/02/2019	28/03/2019	8
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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 entrepreneurs development programme	01/11/2019	30/11/2019	25	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
Renewable energy source Renewable energy generated and used 1kw solar panel-1 1952kwhr for the academic year 2018-2019

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries

Physical facilities	Yes	Nill
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Braille Software/facilities	No	Nill
Rest Rooms	No	Nill
Scribes for examination	Yes	Nill
Special skill development for differently abled students	No	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	2	2	27/02/2019	7	1) Construction of six communal toilets 2) Construction of ground water recharging bodies	Absence of proper Toiletry system in Ozhalur Village, Kattankulathur Block	54
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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	05/06/2018	Yes Separate code of conduct is prepared by the institute for the students .Teachers follow the code of conduct of SRMVEC. • Responsibility and Accountability of teachers. • Rules and regulation of SRMVEC

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Swachh Bharat Summer Internship Programme	08/06/2018	20/06/2018	2
GAJA Cyclone	21/11/2018	25/11/2018	33

Relief and Rescue Team			
Distribution of Nilavembu Kudineer	06/12/2018	08/12/2018	475
PLASTIC ERADICATION AWARENESS Camp	21/02/2019	22/02/2019	2520

[View File](#)

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

? Tree plantation ? Minimizing water wastage ? Deployment of solar heaters and lighting ? Rainwater harvesting ? Minimizing usage of papers ? We create awareness in the locality regarding cleanliness, plastic free zone, no-smoking or sale of tobacco. ? Recycle-Reuse-Reduce: Keeping in mind the environment being harmed unnecessarily because of use of paper for reporting and record keeping, we at SRMVEC would like to initiate the triple R solution for various processes. The aim is to move towards paperless office, for which we would identify various processes which can be made completely paperless in the first stage. Adding more processes to have a seamless system with minimum use of paper and hence contribute towards protecting tress and saving the earth. ? Blood Donation Camp organised at college campus ? Plantation: The SRMVEC has massive plants and trees on the campus and is a green campus in reality. Sufficient money is spent to keep the environment green. ? e-waste management -In SRMVEC the Following practices are followed A. Efforts to reuse the e-Waste like computers to teach the basics at the school level. B. Efforts to repair the computers and to be used for students and library. C. wherever possible recycling is done.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Evarsity ERP application is created and linked with the college website. Students staff and parent can access the portal. https://erpsrm.com/evarsitysrmh/usermanager/loginManager/youLogin.jsp To provide transparency, the faculty details of every department are included in the website. Faculty profile is uploaded link: http://www.srmvalliammai.ac.in/becse_faculty.html http://www.srmvalliammai.ac.in/becivil_faculty.html 2. E- learning resources are provided in the website. http://www.srmvalliammai.ac.in/e-learning.html Spoken-tutorial: http://spoken-tutorial.org NPTEL: https://onlinecourses.nptel.ac.in/explorer SWAYAM: https://onlinecourses.nptel.ac.in/explorer epgPathshala: http://epgp.inflibnet.ac.in MOOC: http://mooc.org GATE: GATE Materials - Download Online Talent Test: Youth4work.com Online Talent Test: Wheebox.com Title of the Practice: Pedagogy addressing outcome based education and heterogeneity of intellectual evolution (NO ONE IS LEFT BEHIND) Objectives of the Practice : The objectives/intended outcomes of this best practice are: • To facilitate effective teaching learning process in all the courses. • To accomplish holistic growth of students and enhance their learning experiences and outcomes. • To ensure effective teaching learning, students are actively involved in the teaching learning process through student centred innovative pedagogies such as inquiry approach, constructive strategies, project learning, brainstorming sessions, ICT based learning and presentations. • Monthly attendance of the students is intimated to the students and their parents. On the basis of low attendance, students are detained from appearing in examination (at the end of the semester). • Each department submits an annual report on the activities comprising academic activities, research and extension

activities. • Innovations in teaching/learning, publications, staff and student achievements, extra and co- curricular activities are also highlighted in the report. Annual reports of various departments are consolidated at the Director's office, which further goes to the Governing Body. To ensure quality sustenance and enhancement, the Institute periodically conducts the performance audit of the departments(by Internal Quality Assurance Cell) which includes review of Teaching – learning methodologies, result analysis, research output, Faculty Development Programs attended/conducted and Extension activities, Co-curricular and extra-curricular activities conducted during the year. Celebration of birth anniversary of all great personality of India.

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

https://www.srmvalliammai.ac.in/internal-quality-assurance-cell.html

7.3 – Institutional Distinctiveness

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

The vision of this autonomous institution is "Educate to excel in Social Transformation". The big problem of our country is unemployment among educated youth. Therefore, the need for skill-based system of education is becoming more popular in present times. A couple of important initiatives taken at the institution towards skill-based education. Value added courses were introduced to students to know and study the latest technologies. MOUs have been signed with different institutions to exchange knowledge. Industry Institute Partnership Cell is efficiently in the college. The students avail hands-on training during their internships in pioneering industries. Entrepreneur Awareness Cell is working efficiently in our college and conducting awareness programmes to equip the students for their future. The college is one of the few institutions in the state offering employment-oriented skill development programmes. The college aims at creating international eminence and become a model institution for higher learning through dedicated development of minds, advancement of knowledge and professional application of skills to meet the global demands. The mission of this institute is to contribute to the development of human resources in the form of professional engineers and managers of international excellence and competence with high motivation and dynamism, who besides serving as ideal citizen of our country will contribute substantially to the economic development and advancement in their chosen areas of specialization. For that several professional society memberships were created among students such as Computer Society of India, ISTE, Indian Science Congress and they are actively participating in all events. With the skills gained, the student becomes more determined and confident in facing the future. To build the institution with international repute in education in several areas at several levels with specific emphasis to promote higher education and research through strong institute-industry interaction and consultancy. The institute focuses on the Mentor-Mentee relations, where the faculties are allotted few students, who take care of the students in his/her academics, problems, acting as a counsellor and a guide. They encourage their students to actively participate in various activities of the institute. Workshops, internship, guest lectures, presentations, group discussions , conferences/seminars are arranged from time to time apart from regular class room learning. Alumni, students, faculty, staff feedback is conducted to enhance in the quality of teaching learning process. Students are actively participating in all the events conducted by the institute leading to leadership and team building qualities. Students are encouraged to participate in social club activities like NCC, NSS and YRC. Students showing their bond and responsibility towards the society through blood donation camp, traffic

monitoring schemes. • SRMVEC is a self-financing, quality conscious and trend setting Institute with focus on providing equal opportunities for development of human potentials for every segment of society including the differentiated one. • Every year, students of SRMVEC bag Gold Medals, receive merit certificates and achieve excellent results in exams held by Anna University. • The SRMVEC is a venture of its own kind where academics and professionals have joined hands to aid and direct the agenda of

Provide the weblink of the institution
https://www.srmvalliammai.ac.in/newsletter.html

8.Future Plans of Actions for Next Academic Year

To make everything systematic and to make everything computerized. To enhance the employability skill of the students, collaboration with reputed organisations for advanced teaching learning process. Accessibility of digital library to be widened further. To conduct competitions, workshops and conference for students on the basis of recent technologies. To launch more activity clubs for students to explore more extracurricular knowledge. Additional research centres to be established to enhance the knowledge of faculties and students. Planed to organize more community service activities to contribute to the wellness of the society.