Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**VELAMMAL INSTITUTE OF TECHNOLOGY**
Name of the head of the Institution	**Dr.T.CHANDRASHEKAR**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04430446300**
Mobile no.	**9677127076**
Registered Email	**principal@velammalitech.edu.in**
Alternate Email	**iqac@velammmalitech.edu.in**
Address	**VELAMMAL INSTITUTE OF TECHNOLOGY, VELAMMAL KNOWLEDGE PARK, CHENNAI-KOLKATA NATIONAL HIGHWAY, PANCHETTI-601204**
City/Town	**PANCHETTI, THIRUVALLUR DISTRICT**
State/UT	**Tamil Nadu**

Pincode	**601204**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Mrs.S.SELVAKANMANI, ASSOCIATE PROFESSOR/CSE**
Phone no/Alternate Phone no.	**04430446300**
Mobile no.	**8807484799**
Registered Email	**principal@velammalitech.edu.in**
Alternate Email	**iqac@velammalitech.edu.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://velammalitech.edu.in/aqar/

4. Whether Academic Calendar prepared during the year

	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://velammalitech.edu.in/wp-content/uploads/2022/03/Academic_Calendar_2018-2019.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Validity Period To
1	**B+**	**2.57**	**2017**	**22-Feb-2017**	**21-Feb-2022**

6. Date of Establishment of IQAC

14-Sep-2015

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Regular meeting of Internal Quality Assurance Cell	13-Jul-2018 1	10
Academic Audit	05-Jul-2018 1	95
National Board of Accreditation	29-Mar-2019 3	95
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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
INFORMATION TECHNOLOGY	State Science and Technology	Department of Science and Technology	2019 2	3000000
CSE	State Science and Technology	Department of Science and Technology	2019 2	2000000
CSE	Student project scheme	TNSCST	2019 2	7500
ECE	Interdisciplinary cyber physical systems	Department of Science and Technology	2019 2	3076000
ECE	Consultancy	AMOGAA Products Private Limited	2019 2	90000
ECE	Student project scheme	TNSCST	2019 2	7500
ECE	Student project scheme	TNSCST	2019 2	7500
MECH	CARS	Combat Vehicles Research and Development Establishment (CVRDE)	2019 2	990000
PHYSICS	Science & Technology	Ministry of Mines	2019 2	3094000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes	
Upload latest notification of formation of IQAC	View File	

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 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)

? IQAC of Velammal Institute of Technology has been actively involved in maintaining quality within the institution. As part of routine activity, IQAC conducted periodical meetings with department IQAC representatives to disseminate information on their roles and responsibilities towards IQAC. In recognition of the quality system of high caliber being implemented in the administration of the department as well as institution and achievement of its goals, the National Board of Accreditation(NBA) has accredited all five UG programs in ECE, CSE, EEE, IT MECH for a period of three years ? Value added certificate courses (NPTEL / online) Preplacement training programmes were conducted to enhance the level of placement. Also Content Beyond Syllabus (CBS) in both theory and Lab is planned and conducted for all courses in the 5 UG programs. ? Motivational and Career guidance training Programmes were offered to strengthen the confidence level of students to pursue their higher studies and for better placement. ? The Academic audits were conducted for odd and even semesters. ? IQAC encourages students to take part in technical and creative activities besides the classroom Teaching and laboratory practices by making them involved in: i. Collaborative undertakings with industries through industrial projects, industrial visits and inplant trainings, internship etc. ii. Activities like seminar, conference, symposium, Professional Society activities, Club Activities Different events related to Sports/NSS/YRC/NCC iii. Publishing their innovative research ideas in referred journals

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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
Academic Audit	Authentication of Teaching and Learning process based on Curriculum planning and to ensure that the learning objective is met.
NIRF Registration	Data collection consolidation and updating the institute details for NIRF ranking.
Academic excellence	Achieved Second rank in Anna University

	Examinations among 493 colleges.
Industry-Academia collaboration.	MoU signed with various organizations; i. CDCE Automation for establishing factory automation of Industrial robotics. ii. Cloud Bull for Cloud App. Development Incubation Centre iii. Infoziant, Chennai iv. National Instruments, Bangalore v. Intelligence quality vi. AVIAN Products Aerospace vii. AMOGAA
[View File](#)	

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Council	20-Jun-2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

29-Mar-2019

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

11-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)

Yes, the Institute is well equipped with an information system which takes care of various activities like admission, attendance, office management, accounts and student grievance redressal. Furthermore, we have Activity Planning Schedule(APS) which is very active in the institution and all activities from various programs are planned well in advance and informed to all the staff members and management.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

The institution has well planned mechanism to ensure the curriculum delivery and the process is as shown in Figure 1.1 Figure 1.1 Flow Diagram showing Process for curriculum delivery plan ? The Course Outcomes are formulated by the course in charge, course coordinator, Module coordinator and Head of the department by considering the university curriculum with appropriate knowledge level. ? The formulated course outcomes are mapped with POs and PSOs by the course coordinators, Module Coordinator and Head of the department to identify the extent of compliance of the university curriculum. ? If yes, the Teaching Learning Process activities are proceeded to attain the formulated Course Outcomes, Program Outcomes and Program Specific Outcomes. ? If No, the gaps are identified for the course and it is intimated to the university (If Necessary). ? The weakly supported POs and PSOs are identified by mapping with Course Outcomes (COs). ? In order to strengthen and fulfill the gaps, Content beyond the syllabus, Value Added Programs, Technical events, Guest lectures, Seminars, Laboratory experiments, Projects etc., are planned. ? Then, Teaching Learning process carried out for the attainment of Program Outcomes and Program Specific Outcomes. ? The content beyond the syllabus identified for the attainment of Program outcomes and Program specific outcomes are delivered by the any one of the following mode of delivery. Assignments ? The identified Content beyond syllabus topics is delivered as innovative assignments and are given to the students to attain the desired program outcomes and program specific outcomes. The courses handling Staff prepares the assignment topic and encourage the students to complete the assignments. Seminars and Guest Lectures ? The content or topics need to learn by the students apart from the curriculum are delivered through Seminar / Guest lecture by experts Demonstration and Animations ? The themes to be known by the students as Content beyond the syllabus are instructed to them with the aid of live demo in the laboratory or with the help of videos and presentation. Also, the working principles are explained with animated videos for easy understanding of the subjects. These modes of delivery help the students to develop new ideas and designs. Project based learning ? The POs and PSOs which are not able to attain by the curriculum are delivered to the students in the form of Project based learning. This helps the students to improve their creative skills, critical thinking, collaborative learning and communication. Value added programs ? The gap identified in the curriculum is fulfilled by conducting additional Value added programs by the technical experts. This will enhance the knowledge of the students to go forward in lifelong learning and self-study. Industrial Visit, In plant training and Internship ? In order to inculcate the industry requirements for the students and to bridge the gap between theoretical learning and practical training, industrial visits are arranged. In plant training and internships are arranged as the part of curriculum to gain the industrial knowledge. This will help them to learn and upgrade the

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepre neurship	Skill Development
Certified Lab view Associate De veloper(CLAD)	Certified Lab view Associate De veloper(CLAD)	06/06/2018	2	Employabil ity	Automation Skills
Certified	Certified	06/06/2018	2	Employabil	Automation

| LABVIEW Associate Developer | LABVIEW Associate Developer | | ity | skills |

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	nil	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
BE	CSE	18/12/2018
BE	MECH	18/12/2018
BE	ECE	18/12/2018
BE	EEE	18/12/2018
BTech	IT	18/12/2018

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

	Certificate	Diploma Course
Number of Students	39	39

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
Design Constraints in SAE Bajaj Vehicle	12/09/2018	30
CATIA Workshop	18/06/2018	120
Six Sigma Workshop	19/06/2018	120
ANSYS Seminar	20/06/2018	120
PLC SCADA	18/06/2018	39
Real Time Projects using Audrino	25/06/2018	47
SQL YOG	31/08/2018	50
LabVIEW Training	19/07/2018	25
Training on PLC	19/07/2018	55
Hands-on Training on LabView- MYDAQ	18/07/2018	15
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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	CSE	52

BE	ECE	105
BE	EEE	24
BTech	IT	50
BE	MECH	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 Analysis and Reward / Corrective Measures Taken Feedback has a positive influence on the teaching process. Our college follows the system of collecting feedback from students. The following methods are used. 1. CCM's 2. Online Feedback and 3. DRM's Through this feedback system students' requirements are fulfilled. It also helps in improving the teaching process of the faculty which results in the improvement in learning. Feedback is collected for all the Courses. Class Committee Meetings Class Committee Meetings are scheduled and executed effectively by the institution to know the problems faced by the students in academics and non-academics. The Class Committee members consists of Principal, HOD, Class Advisor and all the course handling incharges along with six student representatives (includes Hosteller, Day Scholar, Tamil/Regional medium students and one student coming by private bus) for each class. The Principal will be the Chairperson of the committee. Class committee meetings will be conducted twice per semester. The reports of the Class Committee Meetings are reviewed by the Head of the concerned department and the Principal. Corrective measures are taken within a weak time. The purpose of a Class Committee is • To ensure that all the co-curricular and extra-curricular activities are carried out smoothly. • To keep track of the progress of the course and the assessment tools employed by the teacher for effective teaching and evaluation. • To enable students to provide feedback regarding the teaching-learning process, internal assessments etc. • Online feedback The online feedback is collected twice in a semester. It is taken from all the students of each class at a stipulated time for each course. The online feedback consists a set of 14 common questions for all the courses. Each question will have a 5 point scale for which the students can rate the concerned subject teacher. The score for all the questions are consolidated and analyzed by HoD and Principal. Principal will appreciate the faculties who have scored more than 3.5 points (70). Suitable counselling/instructions are given for those who secured less than 3.5 points. The consolidated feedback details will also be discussed in Department Review meeting by the Principal. The participation of the students in online feedback is 100. Department Review Meeting (DRM) After every Internal Assessment DRM will be conducted. The meeting will focus on the progress of each class in the assessments conducted. It focuses on the performance of the faculty in their respective courses. The marks secured by the individual staff for the online feedback are given by the Principal in the meeting and the same is discussed to improve the qualitative

process. Course End survey are collected from the faculty about the student's performance, and their course difficulties. Based on the feedback, students are called by the Principal for counselling. Corrective Measures Taken for the Feedback • The feedbacks collected from all the students are analysed by HoD, Principal and the same is discussed with the concerned faculty. • The contents of the feedback will be shared with the concerned

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
BE	CSE	120	224	97
BE	ECE	120	127	63
BE	EEE	60	61	14
BE	MECH	120	128	35
BTech	IT	60	63	44
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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	1201	0	99	0	0

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
81	81	20	10	8	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, in Velammal Institute of Technology, utmost care and meticulous mentoring is followed to improve the quality of students life through proper counselling and career guidance. Mentoring is sharing knowledge, skills and life experiences to guide another, in general towards reaching their full potential. Similarly Mentoring System in our institution is a positive and supportive relationship for encouraging students to develop to their fullest potential. A mentor can be a role model, coach, sounding board, voice of reason, counsellor and a trusted resource. Mentors care and assure their mentee that they are not alone in dealing with day-to-day challenges. Quality mentoring has powerful positive effects on students in a variety of personal, academic and professional situations. Ultimately, mentoring connects students to attain personal growth and development in the challenging social and economic opportunity. Our Institution is working towards enhancing the institutional culture to better serve the needs of an ever-changing and dynamic learning community. Effective mentoring begins with the faculty. When it comes to academic success and persistence, there is no substitute for a healthy relationship

between faculty and students than mentoring. . Academic Mentoring Process ? An effective student mentoring system has already been implemented in our college. All the students of the college are coming under this system from the date of joining the institution. ? Mentor Book has been distributed to all the Mentors of the college. Each mentor is allocated with 20-25 students under the mentoring system. ? A complete track of the student activities like academic, curricular, co-curricular, extracurricular achievements, social activities and the details of parent meetings are entered in the Mentor Book. ? Every third day, after the completion of Internal Assessment (IA), Mentors will have a meeting with the students and all their activities are discussed and noted in the Mentor Book. ? For helping Mentees (students), who require additional help and guidance, the mentor may hold discussions with them more frequently with atmost care as the situation demands. The mentor documents the discussion held with his or her ward for future reference. The following figure 2.3.2 shows our students mentoring process. ? The mentor will perform the following functions: • Continuously counselling, guiding and motivating the students in all the academic and non-academic matters. • Contact parents/guardians, if situation demands. For instance academic irregularities, negative behavioral change. • Advise students in their career development/professional guidance. • Intimate HOD and suggest if any administrative action is called for. • Maintain a detailed progressive record of the student • The Mentor is responsible for filling in the details of marks for each assessment and other relevant information like attendance, discipline, strength and weakness about the student in the Mentor Register and to ensure that the record is sent to the parents for conveying the progress and getting acknowledgement. • If any difficulty faced by the student in a particular subject, the mentor seeks the help of the concerned subject teacher for sparing extra time and personal attention for the student. •

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1201	99	1:12

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
15	15	0	15	14

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. V. P GladisPushpa Rathi	Associate Professor	Best Faculty in Computer Science Engineering, received from Nehru Group of Institutions
2019	Mr.J.Nandha Gopal	Assistant Professor	Certified LAB VIEW Associate Software Developer from National Instruments
2019	Ms.G.Bavani	Associate Professor	Certified LAB VIEW Associate Software Developer from National Instruments
2019	Mr.J.Nandha Gopal	Assistant Professor	NPTEL (Fundamentals of Power Electronics)

| 2019 | Mr.P.Vivek | Assistant Professor | NPTEL (Advance Power Electronics and Control) |

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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
BE	104	Semester	30/09/2018	11/01/2019
BE	104	Semester	22/03/2019	22/06/2019
BE	105	Semester	30/09/2018	11/01/2019
BE	105CSE	Semester	22/03/2019	22/06/2019
BE	106EEE	Semester	30/09/2018	11/01/2019
BE	106ECE	Semester	22/03/2019	22/06/2019
BE	114IT	Semester	30/09/2018	11/01/2019
BE	114MECH	Semester	22/03/2019	22/06/2019

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

2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words) Adherence to Academic Calendar: Before the Commencement of every semester, the Anna Univeritsy will circulate the Academic Schedule which contains schedule of classes, Practical examination, end semester examination and last working day. Based on the Anna University Academic Schedule, the institute will prepare the Academic Schedule for the semester with the Institute level schedules like Internal Assessments, Retest, Value added programs, Placement training, Department Review Meetings, Class Committee Meetings and Academic Audits etc., A sample Institute Academic Schedule for the Odd semester 2018-19 is shown in Figure 2.5.3.1. Figure 2.5.3.1 Institute Academic Schedule Odd Semester(2018-19) The academic calendar prepared by the institution is adhered meticulosuly such that all the activities planned before the commencement of the semester were followed/implemented to 100 The department will prepare the Department Academic Schedule for the semester by considering the Institute Academic Schedule with the following details. ? Industrial Visits ? Guest Lectures ? Value Added Programs ? Professional Society Activities etc., A sample Department Academic Schedule for the Odd semester 2018-19 is shown in Figure 2.5.3.2 Figure 2.5.3.2. Department schedule ODD Semester (2018- 19)

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

Adherence to Academic Calendar: Before the Commencement of every semester, the Anna Univeritsy will circulate the Academic Schedule which contains schedule of classes, Practical examination, end semester examination and last working day. Based on the Anna University Academic Schedule, the institute will prepare the Academic Schedule for the semester with the Institute level schedules like Internal Assessments, Retest, Value added programs, Placement training, Department Review Meetings, Class Committee Meetings and Academic Audits etc.,

A sample Institute Academic Schedule for the Odd semester 2018-19 is shown in Figure 2.5.3.1. The academic calendar prepared by the institution is adhered meticulosuly such that all the activities planned before the commencement of the semester were followed/implemented to 100 The department will prepare the Department Academic Schedule for the semester by considering the Institute Academic Schedule with the following details. ? Industrial Visits ? Guest Lectures ? Value Added Programs ? Professional Society Activities etc., A sample Department Academic Schedule for the Odd semester 2018-19 is shown in Figure 2.5.3.2

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://velammalitech.edu.in/cse-about-the-department/

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
104	BE	Computer Science and Engineering	102	97	95.1
106	BE	Electronics and Communication Engineering	111	105	94.6
105	BE	Electrical and Electronics Engineering	48	45	93.75
114	BE	Mechanical Engineering	117	108	92.3
205	BTech	Information Technology	44	44	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://velammalitech.edu.in/

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
Students Research	2	TNSCSCT	0.08	0

Projects (Other than compulsory by the University)				
Major Projects	5	Department of Science and Technology	20	0
Major Projects	5	Department of Science and Technology	30.76	10
Major Projects	5	Combat Vehicles Research and Development Establishment (CVRDE)	9.9	0
Major Projects	5	AMOGAA Products Private Limited	0.9	0
Major Projects	5	Ministry of Mines	30.94	23.7
Students Research Projects (Other than compulsory by the University)	2	TNSCSCT	0.04	0
Industry sponsored Projects	2	Department of Science and Technology	30	20
Industry sponsored Projects	2	EPR Labs	0.85	0
Students Research Projects (Other than compulsory by the University)	2	TNSCSCT	0.08	0
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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
Training on Basic Labview Development system	ECE	16/11/2018
Training in Programme Knowledge -Silicon Training	ECE	11/12/2018
Hands-on Training on LabView- MYDAQ	ECE	18/07/2018

Two Days Workshop on "Unmanned Aerial Vehicle"-DRONE	ECE	10/08/2018
Training on PLC	ECE	05/07/2018
TNSCST sponsored workshop on Machine Learning Algorithm and its applications in medical field	ECE	09/01/2019
Real Time Projects Using Arduino	EEE	25/06/2018
PLC and SCADA	EEE	18/06/2018
Training on Basic Labview Development system	EEE	16/11/2018
Hands-on Training on LabView- MYDAQ	EEE	18/07/2018
Training in Programme Knowledge -Silicon Training	EEE	11/12/2018
Workshop on Security threats in web application	IT	22/02/2019
Protection in Enterprise Security	IT	09/01/2019
Machine learning using R-Studio	IT	04/01/2019
IOT Raspberry Pi-3	IT	04/01/2019
Data Visualization, Clustering and sentimental analysis, Tableau Server	IT	11/12/2018
Entrepreneurship "Business Development"	IT	24/06/2018
Data Analytics, Java	IT	30/06/2018
Geometric dimensioning and tolerance	MECH	25/06/2018
3D Modeling and Drafting	MECH	26/06/2018
SIX SIGMA	MECH	18/06/2018
Application of Surface Modeling Software using CATIA	MECH	19/06/2018
Automation safety	MECH	20/06/2018
Robotics	MECH	22/06/2018
Enhance their knowledge level in CREO Software	MECH	25/06/2018
2D 3D CAD Modeling	MECH	27/06/2018
Infosys CampusConnect(For all Department Students)	For all UG Department	06/12/2018

Career advancement by technical teaching skills amplification	CSE	07/06/2018

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
Best Placement Award	Velammal Institute of Technology	Society for Engineering Education Enrichment Association	20/06/2018	Placement
Best Faculty South India 2018	Dr. V. P Gladis Pushparathi	AICTE Nehru Group of Institutions	15/12/2018	Faculty
Best Project Award 2018-19	Ashwin A Hem Sharavanan B	Cognizant Technology Solution	10/04/2019	Students
NPTEL Certification	58 Students and 15 Staffs	MHRD	10/02/2019	Teaching
Symposium Paper presentation	S. Rubini, K. Preethi and M. Thanesh	SMK FORMA Institute of technology	23/02/2019	Students
Symposium Paper presentation	T. Senthilnathan, R.Lokesh and S. Karthick Raja	Adhiparasakthi engineering college	23/12/2020	Students
Symposium Technical Quiz	M. Pragadeesh	Adhiparasakthi engineering college	23/02/2019	Students
Symposium Loguess	M. Abishek	Chennai institute of technology	22/02/2019	Student
Symposium Deafly	S. Shivangi	Chennai institute of technology	22/02/2019	Students
Symposium Ship wreck	J. Solomon Bradley	Easwari engineering college	15/02/2019	Students

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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
NIl	NIl	Nil	Nil	Nil	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
0	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)
International	CSE	20	Nill
International	ECE	14	Nill
International	EEE	2	Nill
International	IT	2	Nill
International	MECH	6	0.5
International	HS	5	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
MECH	37
ECE	15
CSE	20
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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
Experimental investigation on the effect of sensible heat energy storage in an inclined solar still with baffles	B.MADHU	Desalination and Water Treatment	2018	4.5	Velammal Institute of Technology, Chennai	5
Design and implementation of PIC/FLC plus SMC for	Dr.S.Muthukaruppasamy	Journal of Electrical Engineering and Technology	2018	Nill	Velammal Institute of Technology, Chennai	Nill

POESSLC IN DCM						
Scalability assurance Process in Replication and Migration using Cloud simulator	P.Deivendran	International Journal of Networking and Virtual Organisations	2019	Nill	Velammal Institute of Technology, Chennai	Nill
E slot Reconfigurable Microstrip patch antenna using PIN diode for wireless applications	Dr.R.Jothichitra	International Interdisciplinary Research Journal	2018	Nill	Velammal Institute of Technology, Chennai	Nill
Alerting the Emergency Service Using Greedy Perimeter Stateless Routing Through Multimedia Transmission	Dr.B.Sridevi	International Journal of Pure and Applied Mathematics	2018	Nill	Velammal Institute of Technology, Chennai	Nill
Overview of Frequency Synchronization in OFDM System	Dr.B.Sridevi	International Journal of Pure and Applied Mathematics	2018	Nill	Velammal Institute of Technology, Chennai	Nill
Small files consolidation technique in hadoop cluster	Dr.D.Venkata Subramanian	International Journal Of Simulation Systems, Science Technology	2018	Nill	Velammal Institute of Technology, Chennai	Nill
Utilizing area mindful business for antici	Dr.V.P.Gladis	International Journal of Innovative Research in	2019	Nill	Velammal Institute of Technology, Chennai	Nill

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
pating retail keeping money cheats		Computer and Communication Engineering				
Rough set theory based feature selection and FGA-NN classifier for medical data classification	Dr.R.Sugumar	International Journal of Business Intelligence and Data Mining	2019	Nill		Velammal Institute of Technology, Chennai
Region based emergency message broadcasting in VANET	Dr.S.Soundararajan	International Journal of Innovative Research in Computer and Communication Engineering	2019	Nill		Velammal Institute of Technology, Chennai

Note: The last two columns (h-index row values) in section 3.3.5 read: Nill, Velammal Institute of Technology, Chennai, Nill for each.

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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
Real-Time Human Detection and Tracking Using PEI Representation in a Dynamic 3D Environment	Dr.M.Mahalakshmi	Advances in Intelligence systems and computing	2019	41	0	Velammal Institute of Technology, Chennai
Experimental investigation on the effect of sensible heat energy storage in an inclined solar	B.MADHU	Desalination and Water Treatment	2018	45	5	Velammal Institute of Technology

still with baffles						
Enhancing the thermal performance of micro finned tube with TiO2-Water nano fluids using twisted tape inserts	B.MADHU	Heat transfer research	2019	18	2	Velammal Institute of Technology
Experimental investigation on the effect of Photo voltaic panel submerged and partially submerged in water	B.MADHU	Heat transfer Asian research	2019	24	4	Velammal Institute of Technology
Overview of Frequency Synchronization in OFDM System	Dr.B.Sridevi	International Journal of Pure and Applied Mathematics	2018	24	0	Velammal Institute of Technology, Chennai
Alerting the Emergency Service Using Greedy Perimeter Stateless Routing Through Multimedia Transmission	Dr.B.Sridevi	International Journal of Pure and Applied Mathematics	2018	24	0	Velammal Institute of Technology, Chennai
Efficient Resource Allocation in 5G Networks	Dr.B.Sridevi	International Journal of Pure and Applied Mathematics	2018	24	0	Velammal Institute of Technology, Chennai

Using Cognitive Radio Technology						
Recognizing Diabetic Retinopathy using IOT Enabled Nonmydriatic Fundus Camera Image with help of Morphological Functions and Transductive Support Machines	Dr.K.Chinnusamy	International Journal of Scientific Engineering and Research	2018	0	0	Velammal Institute of Technology, Chennai
Improved Security in OFDM from Chaotic Attractor	Dr.K.Chinnusamy	International Journal of Pure and Applied Mathematics	2018	0	0	Velammal Institute of Technology, Chennai
Fuzzy C-means Clustering and Elliptic Curve Cryptography using privacy preserving in cloud	Dr.R.Sugumar	International Journal of Business Intelligence and Data Mining	2019	19	3	Velammal Institute of Technology, Chennai

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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	3	10	7	5
Presented papers	34	1	2	Nill
Resource persons	5	11	4	Nill

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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
Blood Donation	Youth Red Cross	1	242
Tree Plantation	Velammal Institute of Technology(NCC)	1	22
Water Conservation day	Velammal Institute of Technology(NCC)	1	28
Blood Donation camp	Lions blood bank(NCC)	1	26
Blood Donation camp	Red Cross blood bank(NCC)	1	28
[View File](#)			

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
NIl	NIl	Nil	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
YRC	YRC	International Day against Drug Abuse and Illicit Trafficking	1	25
NCC	1(TN)BN NCC	NCC B and C camp	1	22
NCC	1(TN)BN NCC	NCC B and C camp	1	7
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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
Funded Research Project –"Digital Poompuhar"	Dr.B.Sridevi-Velammal Institute of Technology Prof.Manoharan-AMET university Dr.Rajashekar-NIOT Bangalore Prf.M.Praveena – Ranganathan College	DST	3

	of Engineering Dr.Judi Nair-CUSAT Cochin Dr.Uma Mudenagudi- KLE Technological University Prof.Neelakantan-		
Consultancy Work – Study on Design of ElectroMechanical Steering Actuator for Nose Landing Gear of Rustom-II	Dr.G.Moorthy, Dr.B.Sridevi, Dr.K.Rajeswari	CVRDE	3
Consultancy Work 1.EEG based Object Control 2. Stress Detector and Relief on EEG Signals 3. Sensing of Continuous Ambulatory Peritoneal Dialysis	Mr.S.Karthikeyan	AMOGAA Products Private Limited	3
Consultancy Work 1. Computer vision based segregation of cloths in Textile Industry. 2. Intelligent Robotic ARM for Physiotherapy.	Dr.B.Sridevi	EPR Labs	2
Training on Basic LabView Development System -Impartingtechnical skillsto meet thein dustrialdemands.	Students and Staff	Self Support	2
Workshop withHands OnTraining on'MYDAQ' -Provision ofcoreknowledge forthe Industryneed	Students and Staff	Self Support	2
Silicon training -Proficiency inProgramming Knowledge	Students	Self Support	2
Innovate	Students	Self Support	2
Go Green (conferences)	Faculty	Self Support	1
[View File](#)			

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
On the Job Training	Internship	ZOHO	10/12/2018	15/03/2019	LOKESH
Project work and Sharing of Research facilities	LABVIEW	NI Lab	02/07/2018	08/08/2018	Students and Staff
Project work and Sharing of Research facilities	Certified Labview Associate Developer(CLAD)	National Instruments(NI)	02/07/2018	08/08/2018	Students and Staff
On the Job Training	Internship	Proud Natural	10/12/2018	15/03/2019	ABILESH
On the Job Training	Internship	ZOHO	10/12/2018	15/03/2019	JUDE
On the Job Training	Internship	ZOHO	10/12/2018	15/03/2019	SANTHOSH
On the Job Training	Internship	VIZACK TECH	02/06/2019	30/08/2019	VISHAL TK
Inplant Training	Developing Industrial Knowledge	BHARAT HEAVY ELECTRICALS	04/06/2018	09/06/2018	SRUTHI S
Inplant Training	Developing Industrial Knowledge	BHARAT HEAVY ELECTRICALS	04/06/2018	09/06/2018	V BASKAR
Inplant Training	Developing Industrial Knowledge	UNIQ TECHNOLOGIES	04/06/2018	09/06/2018	N J RAGHEL
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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
VITECH-EPR INNOVATION LAB	23/08/2018	? Workshops and value added programmes are offered. ? Support is given for doing mini projects, final year projects and R D projects.50	50
VITECH-AVIAN	10/08/2017	Support is given	Nill

Aerospace Lab		for doing mini projects, final year projects and RD projects	
CDCEHP AUTOMATION ROBOTICS	28/11/2018	To establish Centre Of Automation and Automation Projects .Support is given for doing mini projects, final year projects and RD projects	80
Infoziant systems private limited	22/02/2018	To establish cyber security lab, internship, in plant training, project development and technical training in recent trends	106
Securight Technologies Pvt. Ltd,Chennai	26/03/2019	To provide training in Internet of things-Sensors actuators, Arduino, Android Phone with Arduino, using Bluetooth module.	97

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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
62	30.5

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Newly Added
Video Centre	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
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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
Library Automation	Fully	Latest	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	17635	6912630	61	44275	17696	6956905
Reference Books	1902	745584	0	0	1902	745584
Journals	92	235140	0	0	92	235140
e-Journals	207	743817	0	0	207	743817
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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
Ms. S. Manju	Basics of EMF	You tube	05/03/2019
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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	670	8	670	2	1	1	9	60	0
Added	0	0	0	0	0	0	0	100	0
Total	670	8	670	2	1	1	9	160	0

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

100 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
Innovative teaching video	

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
528.65	498.65	379.24	338.04

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)

Velammal Institute of Technology has a dedicated systems and procedures for maintaining and utilizing physical infrastructure like classrooms, administrative buildings, laboratories, sports facilities and other physical assets including the services like water supply and electric supply. House Keeping: The physical facilities such as Laboratories, Classrooms, Library and Sports Complex are maintained by House Keeping under the supervision of Nonteaching Staff / Floor Supervisors. Utilization of the classrooms is facilitated to the students in working days and it is also made available to the other governmental / nongovernmental organizations for conducting exams during Vacations and holidays. The masonry and plumbing works are carried out with local skilled persons and the expenditure are incurred from Maintenance. The daily activities of House Keeping are 1. Checking water availability in Toilets every hour 2. Checking Drinking water availability every day 3. Cleaning Class Rooms, Labs, Veranda, Office Room, Staff Rooms 4. Cleaning of Toilets every day 5. Cleaning the campus every week 6. Checking Furniture's in Class Rooms and Office every month 7. Checking Building cracks throughout the campus 8. Checking Electrical, Plumbing, Waterline and Sewage line every month Complaint on maintenance can be lodged through complaint box manually. Usage of central facilities like seminar halls and auditorium is controlled by the Principal's Office. Computers: The college has an adequate computer with high speed internet connections and softwares, distributed in different locales like departments laboratories, library and office. Computers are maintained by lab assistants and college level system administrator. Each laboratory has an assistant, who ensures proper usage of the computers and hazardous equipment's are handled with care. Lab equipment's are serviced by manufacturers and service personnel during summer and winter vacations. Library: The working hours of the library is from 8.30 a.m to 7.00 p.m on working days and from 9:00 a.m to 4.00 p.m. on holidays. Maintenance activities are made periodically to keep library clean. The activities like preservation of books from insects, dusts and shelving of reading materials promptly on regular basis by the Library Staffs. Sports Complex/ Activities: Through best practices, the students outshine in the field of sports. Ample space of infrastructure is provided for sports with good running track and Courts for indoor sports activities. The play field are maintained by physical education department and the field equipment like post, umpire stand, score boards are also maintained by them regularly. The college uses housekeeping staffs to keep the play field clean and condition during the tournaments and sports day celebrations. Power Supply and Electrical Maintenance: Power supply is maintained by regular staff through proper system captive gensets as backup for 24hours. A Power generator (with capacity 320KVA) is installed in the campus to handle the occasional power shut down. Garden Maintenance: Tree plantation and garden maintenance are done by the gardener appointed by the Institute. NSS, NCC, YRC maintain certain areas of the college clean for planting Saplings. Delegation of Financial

https://velammalitech.edu.in/

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	Founder chairman merit scholarship	92	216000
Financial Support from Other Sources			
a) National	0	0	0
b)International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
CSE Technical Training (Silicon Technologies)	21/01/2019	115	Nil
CSE Aptitude Training Programme	12/02/2019	115	NIl
Six Sigma-Workshop-MECH	22/12/2018	101	Dr. Siva Kumar CEO, Lean Six Sigma
LABVIEW Training-MECH	12/02/2019	40	Mr. Raja Sekaran National Instruments
EEE Company Specific Training	29/08/2018	40	Face Academy
EEE Six Phrase Technical Training	02/07/2018	40	Six Phrase
IT Soft Skill Training (PALS Team)	05/12/2018	40	PALS Team
IT Silicon Traning	21/06/2018	50	Silicon Training
MECH Soft Skill Training (PALS Team)	05/12/2018	117	Silicon Traning
HS Bridge Course for I year Students	31/08/2018	261	Nil
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the	Number of	Number of	Number of	Number of

scheme	benefited students for competitive examination	benefited students by career counseling activities	students who have passedin the comp. exam	studentsp placed
2018	IAS	1	1	1	1
2019	GATE COACHING	111	0	0	77

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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
0	0	0

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
CTS,WIPRO, INFOSYS,APA ENGG,MAESTRO STEEL DETAIL ING,HDFC,KOT AK LIFE,MK A UTOCOMPONENT S,BOULTON, BYJUS,AVL PVT LTD, FINANCIAL SO FTWARE,COGNI TIVE PLATFORM	311	241	CTS, INFOSYS, TCS, LT IDPL,HCL, RADIANT DESIGN,ASWIN COLD FORGE PVT LTD	126	30

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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	4	B.E.	CSE	SSN College of Engineering, Birla Institute of Technology, Dubai Campus., Madras Insitute of Technology,	M.E

2019	10	B.E.	ECE	Anna University, PSG College Of Technology, SRM University, IIITDM, University Of CINCINNATI, RICE UNIVERSITY, U.K, FRANCE	M.E / M.S / M.B.A
2019	5	B.E.	EEE	BIRLA Institute of Tech,University of western Australia,Anna University Coimbatore Regional Centre, Anna University Chennai	M.E
Nill	1	B.Tech	IT	Michigan University	MS
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	0
SET	0
SLET	1
GATE	1
GMAT	2
CAT	0
GRE	2
TOFEL	0
Civil Services	0
Any Other	6
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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

NIl	NA	Nill

No file uploaded.

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	Anna University Zone-1	National	1	Nill	11331510 4102	Yogeshwa raa
2019	Anna University Zone-1	National	1	Nill	11331610 4041	Jeyaguru
2019	Anna University Zone-1	National	1	Nill	11331710 4033	Karthick
2019	Anna University Zone-1	National	1	Nill	11331610 4041	Jeyaguru
2019	Anna University Zone-1	National	1	Nill	11331710 4110	Vasanth
2019	Anna University Zone-1	National	1	Nill	11331610 4097	Vasanth
2018	Gold Medal - 2nd South Asian Youth Rural Games, Bhutan. (under age 21)	Internat ional	1	Nill	11331610 6073	V.M.Sanj ayKumar
2019	ZONAL -1 WINNER	National	1	Nill	11331610 6073	11331610 6073
2018	Runner Medal-Anna University Zonal Tournament	National	1	Nill	11331710 5023	Mohammed Fazil
2018	Tamil Nadu Boxing Ass ociation	National	1	Nill	11331511 4303	R.Harikr ishnan

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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)

Velammal institute of Technology in 2018-19 had a Council of Class Representatives, with each CR elected by the respective class. The CRs represented the students in all academic and administrative bodies. However, Velammal institute of technology has proposed to create an avenue for student representation, to encourage extracurricular activities, and to promote the general welfare of the College family and the wider community. Various club activities were organized and students were selected as leaders in their respective clubs of each of the 5 UG programs. Several Student Support services are available in the Institute. The awareness among students about the support services is created through various methods, namely: ? Institute Information brochure ? Institute Website ? Academic calendar ? Circulars ? Grievance Redressal Committee Following are some of the major student support activities of the University: Technical Events: Annual technical events of various courses such as INSIGNIA, CHANAKYA, AATRAL, XEMPLAR and have earned international recognition for its intellectual content and benefits to the student community. Extra-curricular activities: A number of activities are regularly conducted for students through NSS, NCC, YRC, Rotaract, Leoclub, Green Brigade, Literary Club, Computer Robotics club, Quality club, etc. Financial support for Student innovative projects: Centre for Technology Development and Transfer has introduced Student Research Support Scheme for encouraging students to undertake innovative research projects with financial support. Placement Training: IQAC along with the Centre for University - Industry Collaboration, offers several support activities towards student placements. The activities include conduct of training programmes, pep-talks, mock online tests and mock interviews. Apart from these, internships, industrial visits and industry-oriented projects are also arranged. The information is passed on to the students through student representatives. Other activities: Students take active part in running their mess and in hostel upkeep, willingly become representatives of extracurricular bodies to involve in organizing various activities ranging from cultural festivals to NSS camps.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Activities and support from the Alumni Association 1. Alumni meets are organized yearly. 2. Every Alumni is encouraged to register in Alumni Association 3. Every Department maintains group email-ids for the passed out batches, there by industry openings and technical expectations have been circulated among students. 4. Alumni's are regularly visiting the campus and offer technical talk and orientation programmes on the basis of the industrial needs. 5. Since alumnus are the reputed stake holders of an educational system, a well-defined feedback form has been designed and circulated among alumnus for recording their views and suggestions

5.4.2 – No. of enrolled Alumni:

117

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Yearly Once

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)

Vision of the Institute Mission of the Institute Decentralization in working and grievance redressal mechanism. Members of Various Committees under Decentralization in working and grievance redressal mechanism. Table 6.1.1.1 List of various committees S.No. Committees Coordinator / Designation Functions/ Responsibilities 1. Accreditation-NBA, NAAC, Infosys Campus Connect. Dr.S.Soundararajan, Vice Principal 1. Coordinate Accreditation process with all departments, evaluate the reports. 2. Being a single point of contact, coordinate trainings, assessments, FDPs along with Infosys. 2. Admission Committee Dr.V.R.Murugan, Senior Librarian Mr.T.Ajith, HOD-English Dr R Saraswathy, HOD-Physics Mr.S.Jaganraj,HOD- Chemistry 1. Recommend policies, requirements and procedures for admission to the College for first year students. 2. Evaluate the qualifications of applicants and recommend those selected for admission to the College. 3. Coordinate and guide the admission activities with the faculty members 3. Alumni Association Mr.R.M.Ravindran, Dept. of Chemistry 1. To encourage the Alumni to take an active and abiding interest in the work and progress of the Institute. 2. To support a strong relationship between the Alumni Association and current students. 4. Annual Day Committee Mr. K Kaliagurumoorthi, Dept. of EEE All Dept. Coordinators 1. Planning and budgeting for the event. 2. Ensuring smooth conduction of the event. 3. Maintaining the discipline during the event. 5. Anti-Ragging Committee DrS.Soundararajan, Vice Principal Dr.A.Subashini, Dept. of Physics 1. Constitute a squad of faculty to make periodical/surprise visits to prominent locations within the campus and check for ragging incidents. 2. Initiating action as soon as any complaint of Ragging is received from any student in accordance with the regulations on curbing the menace of Ragging in Higher Educational Institutions. 6. Au Affiliation/ AICTE Approval Mr.D. L. K.VijaiBharrath, Dept. of IT Mr.D.Balamurali, Dept. of Mech Dr.V.R.Murugan, Senior Librarian Mr.T.K. Senthil Kumar, System Admin Mr.R.N. Thirukumar-Admin Assistant 1. Collecting Faculty Profile and their experience certificate 2. Ensure the lab requirements as per Anna University and AICTE 7. Branding Committee (Innovate, Career Guidance, NIRF Ignite, College Prospectus, Brochures, TechBrahmma, App Search others) Mr.S.Ilaiyaraja-Dept. of ECE Mr.R. Raja-Dept. of CSE Mr.B V Santhosh Krishna,- Dept. of ECE Mr.D. L. K. VijaiBharrath,Dept. of IT Mr.S.Vigneshkumar- Dept. of EEE Mr.A. Ramaniraj-Dept. of Mechanical. 1. To conduct various inter colleges and inter schools events in order to promote technical higher education. 8. Budget Committee. Advisor Principal Vice Principal Head of the Departments 1. Propose the budget as per the department requirements 2. Get approval from the management. 3. Allocate funds as per the requirements and priorities of the departments. 9. ED Cell Mr.K.Balachander, Dept. of CSE All Dept. Coordinators 1. Enhancing entrepreneurial skills and knowledge through awareness programmes 10. Exam Cell Mr.T.Ajith, HOD-English All Dept. Coordinators 1. To conduct internal exams and university exams. 2. Proposing annual budget. 11. Fresher's Day Committee Mr B Balamurugan , HOD – Maths All Dept. Coordinators 1. Planning and budgeting for the event 2. Ensuring smooth conduction of the event 3. Maintaining the discipline during the event 12. Gender Issue Cell Ms.C.Yuvarani, Dept. of Maths 1. To create social awareness about the problems of women

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

Curriculum Development	Process used to identify extent of Compliance of University Curriculum for attaining POs and PSOs: process used to identify the extent of compliance of the university curriculum is shown in Figure 6.2.1 1. The Course Outcomes are formulated by the course in charges, course coordinator, Module coordinator and Head of the department by considering the university curriculum with appropriate knowledge level. 2. The feedback received through Survey analyses are considered for the process of identifying the compliance of university curriculum. 3. The formulated course outcomes are mapped with POs and PSOs by the course in charge, course coordinator, Module Coordinator and Head of the department to identify the extent to compliance of the university curriculum. 4. If yes, the Teaching Learning Process activities are proceeded to attain the formulated Course Outcomes, Program Outcomes and Program Specific Outcomes. 5. If No, the gaps are identified for the course and it is intimated to the university (If Necessary). 6. The weakly supported POs and PSOs are identified by mapping with Course Outcomes. 7. In order to strengthen and fulfill the gap, Content beyond the syllabus, Value Added Programs, Technical events, Guest lectures, Seminars, Laboratory experiments, Projects etc., are planned. 8. Teaching Learning process carried out for the attainment of Program Outcomes and Program Specific Outcomes
Teaching and Learning	The following are the innovative processes adopted by the institute towards TLP: ? Value Added Courses ? Internships ? Educational projects in related area / topic. ? Content beyond the Syllabus. Pre-commencement Preparations ? Departmental Academic Calendar ? Lecture plan and notes ? Course Learning Objectives and Course Outcomes ? Soft copy of the lecture notes, question bank are forwarded to students through email. ? Updating the library with appropriate books as suggested by the faculty ? Modifying the laboratories to cater for the needs of revised regulation and recent trends Monitoring student's performance through ? Slip Test, Internal Assessment I, II, III and Model

	examination ? Re test for improvement and absentees ? Assignments, group discussions, quiz, seminars and projects Monitoring the teaching process through ? Online feedback from students ? Oral feedback obtained from students in the Class Committee Meeting ? Academic Audit by peer committee ? Result analysis Meeting of Internal Assessment and University Examination Addressing issues of individual student ? Additional classes for slow learners. ? Personal guidance to the needy students ? Issues related to the course are resolved by mentoring the students. ? Addition periods are allocated in the time table based on the criticality of subject. ? Symposium and Workshops are conducted. ? Lectures are conducted on prerequisite topics. Addressing issues of faculty ? Mentoring and guidance given to the faculty for a course handled earlier by senior faculty members. ? Inputs from IQAC, and various feedback mechanisms are considered for improving the Teaching-Learning.
Examination and Evaluation	Process for Internal Assignment question paper setting and evaluation and effective process implementation Two sets of question papers with answer key are prepared by the Staff members based on syllabus, COs, previous university question papers question bank for Internal Assessments and Model Examination. In each semester, 3 Internal Assessment Examination and Model Examination is conducted. The portions coverage for the Examination is shown in Table 6.2.2 Table 6.2.2 Portions coverage for the Examination Examination Portion Coverage Internal Assessment I Unit 1 First Half of 2nd Unit. Internal Assessment II Second Half of 2nd Unit 3rd Unit Internal Assessment III 4th Unit and First Half of 5th Unit. Model Examination All the 5 Units The Course in-charge submits the question papers are submitted to the Course coordinator, Module coordinator and HOD for validation. In case any corrections are identified by the Course coordinator, Module coordinator and HOD, the question papers are modified by the course In-charge and submitted for further the approval. After final validation, Course In-Charge submits the question

	paper to exam cell. One question paper is selected by Principal to conduct the examination and other question paper is used for retest. The process for Question paper setting is shown in Figure 6.2.1 Figure 6.2.1 Process for question paper setting Evaluation ? The exam cell distributes the answer scripts to the course In-charges, after the completion of internal examination. ? Answers scripts are cross evaluated by the course In-charges. ? Sample Answer scripts are verified by HOD. ? The answer keys are verified by the Course coordinator, Module coordinator and HOD. ? The answer key for Internal examination question paper is displayed in the notice board for all course as per the Assessment order. ? The Evaluated answer scripts are distributed to the students. ? If any discrepancy in the evaluation, the students will approach the course In-charges and corrective measures were taken. ? Then the marks of the students are submitted to Class coordinator and the consolidation Marks Sheets are prepared by Class coordinators and submitted to Principal. ? Retests are conducted for students who fail in Internal Examinations. ? The Process of Answer scripts Evaluation is shown in Figure 6.2.2
Research and Development	? Research and Development Cell is formed to promote Research and Development in the institute. The cell includes faculty, academicians and researchers. The cell meets once in a fortnight and delivers guidelines for quality improvement in R D. ? The institute motivates the faculty to undertake research projects in AICTE, DRDO, DST, TNSCST, Young Scientist Scheme etc. ? Well-equipped Research Labs are developed for the funded projects to improve quality of the research. ? The institute motivates the faculty and students to file patents for the research work. ? The institute motivates the faculty to undertake research activities through doctoral Programmes. It motivates them to publish research papers. ? Faculty members are encouraged to attend and present papers in conferences at abroad and financial assistance are provided. ? The institute motivates the students to undertake complex engineering

	projects as a part of curriculum as well as for participating in external project competitions. Students' project exhibition is organized every year and best projects are awarded with cash prizes. ? Potential research collaborators are identified and MoUs are established.
Library, ICT and Physical Infrastructure / Instrumentation	ICT ? The institute regularly increases ICT facilities for classrooms, tutorial rooms, seminar hallsand Laboratories. ? The institute regularly enhances the Internet connectivity facility. ? The institute regularly enhances the power backup facility for laboratories. ? The institute has FTP Server for resource access. Library ? Central Library gives guidelines for improving the quality of library resource. ? IEEE institutional login enables the faculty and students for their academic and research works. ? Suggestions from students' committee for Library are used for improvement in quality oflibrary resource. ? New books/journals are purchased every year to update the library. ? Each Department has own Library facility that includes text books, project and research papers published. Physical Infrastructure ? Physical infrastructure is increased to meet the demand of recent trends, new regulation and increase of intake
Human Resource Management	? The recruitment procedures, service rules and promotion policies are made transparent and employees are benefitted with CL, ML and EPF. Employee's salary will be credited in the bank account directly. Pay slips are issued to the employees every month. ? For professional development of the human resource, the institute delegates the faculty and staff to undergo development programs outside the institute, provides technical resources and financial assistance to undertake such development programs. ? The institute organizes HR development Programmes for faculty, staff and students for skill up gradation and training. ? Faculty and students are felicitated for their academic achievements. ? The institute uses performance evaluation methods for the staff members. At the end of every year, performance evaluation of the

	staff is done by Head of the Institution. This is used for deciding promotions and increments. Self-performance evaluation is done by the faculty and reports are submitted to the Head of Department.
Industry Interaction / Collaboration	? MoUs signed with companies like Infosys, Cloud Bull, CDCE HP Automation ,Infoziant, National Instruments, Intelligence quality. ? Industrial visits to companies like Infosys, CTS, ISRO, CVRDE, CSC is organised to understand the real time scenario. ? Infosys Campus Connect programme to enrich faculty and students in the market trend. ? Orientation programmes and guest lectures are conducted for the students by the Industry experts. ? Alumni placed in the reputed industries are invited for dialogue about industrial trend and need with the students. ? Entrepreneurship orientation activities are organized for the students.
Admission of Students	? Admission of the students is through Single Window counselling system conducted by Anna University, Chennai. ? Admissions for Management Seats are through an Admission Committee constituted by the Management. ? The institute maintains this repute by adopting following strategies: ? Maintaining good results in University examinations by means of recent trends of teaching learning, providing quality infrastructure and facilities, maintaining good training and placement track records. ? Encouraging extra-curricular activities like sports and other competitions. ? Maintaining Ragging-free environment

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

E-governace area	Details
Examination	Considering that the College is an affiliated College, we have not been able to implement much of e-governance in the area of Examinations due to the requirement of paperwork from the affiliated University. However, wedo use the open source platform for announcement of dates and other minor aspects related to Examinations.
Student Admission and Support	The entire admission process is online as well as issuing and collection of application forms for

		management quota and TNEA counselling through government quota. Students can apply to their chosencourse from anywherein the world. However, students are expected to meet the eligibility criterionset by the affiliating university (Anna University) and the Principal in person in order to ensure that they get proper guidance. Allstudents can reach their teachers through the google classroom and emails. Almost all relevant documents are placed on the online system as well. Circulars and other communication also happens through the HOD to class coordinators and then to students.
	Planning and Development	The functions of Planning and Monitoring Board are as follows • Planning the academic activities, budget and purchase, academic calendar, extracurricular and co-curricular activities, etc. • Monitoring the execution of the planned activities. Members of Planning and Monitoring Board S. No. Name Position (Chairman/ Member) Designation Qualification 1 Dr.T.Chandrashekar Chairman Principal M.E., Ph.D., 2 Dr.S.Soundararajan Member Vice Principal M.E., Ph.D., 3. Dr.R.Sugumar Member HOD - CSE ME, Ph.D., 4. Dr.K.Rajeswari Member HOD - EEE ME, Ph.D., 5 Dr. B. Sridevi Member HOD -ECE ME., Ph.D., 6 Dr.G.Moorthy Member HOD - MECH ME., Ph.D., 7 Dr.B.Murugeshwari Member HOD - IT ME., Ph.D., 8 Mr.S.Jagan Raj Member HOD - CHEM M.sc, M.Phil., Ph.D., 9 Mr.T.Ajith, Member HOD -ENG M.A, M.Phil. 10 Dr.S.Sindhu Member HOD - PHY M.sc, M.Phil.,Ph.D., 11 Mr.B.Balamurugan Member HOD - MATHS M.sc, M.Ed., M.Phil., (Ph.D.)
	Administration	Administration moduleof the institute resource planning includes indenting and management of inventories. Apart from this, all aspects of Management Control is enabled through real-time monitoring of flows, Security, house-keeping and all aspects of administration are covered by the institute resource planning system.
	Finance and Accounts	All finance, both revenue and expenditure, is handled by the software. All salary payments are through online transfers and all accounts are maintained online. Students are allowed to pay their

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.B.SRIDEVI	4th International Conference-WOSA	Insitution	2000
2018	Dr.G.Moorthy	4th International Conference-WOSA	Institution	2000
2018	Mr.Ragupathi	4th International Conference-WOSA	Institution	2000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
Nill	NIl	NIl	Nill	Nill	Nill	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
Faculty Development Programme - Deep Learning	1	27/05/2019	29/05/2019	5
NPTEL	13	17/10/2018	12/02/2019	5
FDP	2	18/12/2018	27/12/2018	5
Latest trend in Renewable Energy	1	04/06/2018	09/06/2018	5

Workshop on Research methodology and Scientific writing	1	11/07/2018	12/07/2018	5
Renewable energy sources using integrated smart power grid scenarios and control aspect using HVDC and FACTS	2	16/07/2018	21/07/2018	5
NI Academies and Research day	1	01/12/2018	01/12/2018	5
Wireless sensor network Internet of Things -A Research Perspective	1	10/12/2018	12/12/2018	5
NPTEL	2	17/10/2018	12/02/2019	5
Challenges of integrating wind solar system into electric grid using information	3	04/01/2019	05/01/2019	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
99	99	22	22

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Yes Available i. Free Transportation to college ii. EPF is been paid to all employees as per PFact. iii. Tuition fee waiver for the wards of the staff iv. Fee concession for faculty wards in Velammal School. v. Staff producing excellent results in their subject will be awarded. vi. Staff	Yes Available i. Uniform Provided ii. School Fee concession for their wards	Yes Available i. Free Medical Service ii. Staff achieving 100 attendance will be rewarded. iii. For Academic excellence," Founder Chairman Merit Scholarship" is Presented. iv. Merit Scholarship for economically deprived students eligible in academic sports. v. The top ten students of each

achieving 100 attendance will be rewarded. vii. Employees who complete more than 10 years of service are honored		class are given two extra library cards to enable them to take additional books.

6.4 – Financial Management and Resource Mobilization

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

The management conducts frequent internal audits. External financial audit is done on Velammal Educational trust accounts by its audit team.

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
NIL	0	0
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6.4.3 – Total corpus fund generated

0

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	NBA	Yes	IQAC
Administrative	Yes	NBA and Velammal Educational trust	Yes	IQAC

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

? The parents have been very supportive of the initiatives taken by the College, the institution doesn't have a registered parent-teacher association. ? However, the college maintains contact with the parents through the Principal's office as well as class mentors. ? Parents were called for mentor meeting about their wards performance once in a semester and the institution provides necessary support to the parents as well as their wards for subsequent improvement in performance

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

? A two-day orientation programme for the support staff is held every year in the month of June and December. ? The program includes motivational speech by the Advisor and Principal .

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

? Incentive scheme for research and development like attending conferences and workshops ? Course-handouts in all courses ? Value added courses for all UG programs and MoU signed with leading industries to set up laboratories in our institution.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes

b)Participation in NIRF	No
c)ISO certification	No
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	NBA	29/03/2019	29/03/2019	31/03/2019	5

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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
NIl	Nill	Nill	0	0

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

Percentage of power requirement of the University met by the renewable energy sources
? Uprooted trees are removed and new trees are planted. ? Deforestation is not entertained in the campus. ? Plantation and Environmental awareness camp by NSS ? The run off rain water is diverted into the percolation pits in all the buildings of the campus to increase the ground water level. ? Reverse Osmosis plant exists in the campus. ? Waste management (Composting and Vermi composting) is taking place. ? Safe disposal of laboratory wastes.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	3000
Provision for lift	No	Nill
Ramp/Rails	No	Nill
Braille Software/facilities	No	Nill
Rest Rooms	Yes	3000
Scribes for examination	Yes	3000
Special skill development for differently abled students	No	Nill
Any other similar facility	No	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational	Number of initiatives taken to engage with	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

	advantages and disadvantages	and contribute to local community					
Nill	Nill	Nill	Nill	Nill	NIl	Nil	Nill

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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)
Velammal Institute of Technology Handbook	22/06/2018	The activities mentioned in the handbook is designed in such a way that all are implemented meticulously and periodically

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Workshop Hands on Training on Unmanned Aerial vehicles	10/08/2018	11/08/2018	89
Guest Lecture on Ethical Hacking	04/07/2018	04/07/2018	97
Guest Lecture on Ethical Hacking	04/07/2018	04/07/2018	48
Ethical hacking seminar	27/09/2018	27/09/2018	50

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

? Rain-water harvesting ? Prohibiting smoking and making a tobacco-free campus ? Tree plantation ? Reverse Osmosis plant to provide pure drinking water ? Sewage Treatment Plant

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

? Personalized Mentoring system ? Skill Development INNOVATION IMPACT Mentoring: student's mentoring system Mentor meets for continuous counselling of students are conducted which has led to better performance and results of students. Scholarships: merit scholarship Scheme Merit scholarship is given to students and has motivated them in betterperformance. Coaching: special coaching Academic weakness of students is identified and follow up is done to improve their performance which has led to better results. Placement Training Separate training in all fields of placement, monitored by skilled trainers for the betterment of students. Skill based learning: Innovate: Project display Techbrahma: Statelevel project competition and paperpresentation Workshop on Big data Analytics Implementing the innovative idea of students in their respective field of interest and exposure to industrial requirements. Project display and paper presentation contest was conducted for students from all over Tamil Nadu from which they were able to gain new ideas. Workshop was conducted on Big Data Analytics which has led to build their capabilities in Big Data technologies and to bring transition in big data science. NCAT: National

Creativity Aptitude Test Has led to assess the creativity quotient of a student and his level of achievement motivation. NPTEL: National Programme on Technology Enhancement Learning Students learn through online web and video courses in which the institute is one of the top hundred Local Chapters and is recognized as ACTIVE Local Chapter. Student's innovation: Platform for students innovative ideas Students are motivated to showcase their talents in the prestigious platforms such as Smart India Hackathon, E-Bike racing challenge and Cognizant's Big Idea 2K18. Provide the Action Taken Report (ATR) based on the plan of action decided upon at the Beginning of the year PLAN OF ACTION ACTION TAKEN REPORT Admission Promotional reach out through Media , career consultation by institution senior teaching faculty at Velammalgroup of schoolshas increased the student admission Teaching and learning process Multiple choice questions were added in internal assessments question papers. Quizzes where conducted in each class to make the learning process interesting. Skill Based Events In association with Cognizant Technology Solution, Chanakya 2K17- a technical event was organized on 18-03-2017. Value added courses were held on 3D-printing, Advanced JAVA, C, C, Infosys campus connect program, lean six sigma, creo software, PLM (Product Life cycle Management), Solid Edge. Soft Skill training on resume writing, Group discussion and Mock interview. Several events were conducted as a part of professional society activity (ACM, CSI, IE, ISTE,SAE). IETE forum initiated on28-12-2017. Placement Activities On campus placement drive has been organised by 43 companies. Students from various departments got offer letters. Internship offers from various companies such as Ford, Scientific Games, Alight Solutions, Infosys, Amazon, General Electricals, Doodle blue innovations, Skript, Kallos Solutions were offered to students. Career guidance program by ShriJayaprakash Gandhi was held on 15-04-2017. Research Initiatives MoU with companies, Funding Proposal has been sent to AICTE under various schemes. Social reforms To inculcate social reforms among student's fraternity, NCC and NSS were launched in which NCC students donated blood at Madras Medical College and tree saplings were planted by the NSS students.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://velammalitech.edu.in/

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

STRENGTH 1. Committed, progressive, experienced and supportive management. 2. ALL 5 UG programs Accredited by NBA and institution accredited by NAAC 3. Support programmes for the slow learners. 4. Well qualified and experienced faculty members. 5. Well-structured student mentoring system. WEAKNESS 1. Less no. of R D projects. 2. Less no. of Consultancy activity. 3. No Autonomy in syllabi planning. OPPORTUNITIES 1. A large number of scholarships dispersed to students from marginalized and economically deprived section. 2. Increased opportunities to develop and establish new programmes to meet the new and growing demands of society. 3. Expertise faculty to tap the corporate sector for consultancy and funding for research projects. 4. Placement initiatives can be strengthened by tracing out the possible industries. CHALLENGES 1. Keeping pace with the rapid changes in the higher education 2. Generation of resources for up gradation of infrastructure.

Provide the weblink of the institution
https://velammalitech.edu.in/

8.Future Plans of Actions for Next Academic Year

Admission ? To achieve 100 percentage admission to all 5 UG programs ? To get students with high engineering cut off Academics ? To achieve within the top 5 position among the affiliated colleges of Anna University. ? To increase the number of university rank holders. Placements ? To achieve 100 placement among the students. Development Programmes and Collaborations ? Different Club activities to be initiated. ? To enhance the employability skill of the students ? Firm up collaborations to bridge the gap between academia and industry. Research and Innovations To initiate research and development in the campus. Institutional Social Initiatives Organize more community service activities to contribute to the wellness of the society. Accreditation To maintain the standards of NBA and NAAC in our institution in all aspects.