Annual Quality Assurance Report (AQAR)
(2017-18)

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)
Nagarbhavi, Bangalore – 560 072.

By

Internal Quality Assurance Cell (IQAC)
A.V.C.College of Engineering
Mannampandal, Mayiladuthurai – 609 305
Nagapattinam District
Tamilnadu

Part – A

Data of the Institution
(data may be captured from IIQA)
1. Name of the Institution | **A.V.C. College of Engineering** |

- Name of the Head of the institution : | **Dr.S.Vijayaraj** |

- Designation: | **Principal** |

- Does the institution function from own campus: | **Yes** |

- Phone no./Alternate phone no.: | **04364- 227202, 224202** |

- Mobile no.: | **09842940060** |

- Registered e-mail: | **avcce@avccengg.net** |

- Alternate e-mail : | **principal@avccengg.net** |

- Address   : | **Mannampandal, Mayiladuthurai** |

- City/Town   : | **Nagapattinam District,** |

- State/UT   : | **Tamilnadu** |

- Pin Code   : | **609 305** |

2. Institutional status:
- Affiliated / Constituent: | **Affiliated College** |

- Type of Institution: Co-education/Men/Women | **Co-education** |

- Location : Rural/Semi-urban/Urban: | **Rural** |

- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing (please specify)

- Name of the Affiliating University: | **Anna University** |

- Name of the IQAC Co-ordinator : | **Dr. P. Balasubramanian** |

- Phone no. : | **9786526673** |

Alternate phone no.

- Mobile:

| 8682036796 |

- IQAC e-mail address:

| naacaqar@avccengg.net |

- Alternate Email address:

| avcce@avccengg.net |

3. Website address:

| www.avccengg.net |

Web-link of the AQAR: (Previous Academic Year):

| http://www.avccengg.net/downloads/AQAR2018.pdf |

4. Whether Academic Calendar prepared during the year?

Yes/~~No~~....., if yes, whether it is uploaded in the Institutional website:

Weblink: http://www.avccengg.net/downloads/avccacademic.pdf

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1st	B	2.73	2013	From 2013 to 2018
2nd	B++	2.88	2018	From 2018 to 2023

6. Date of Establishment of IQAC: **16/05/2013**

7**.** Internal Quality Assurance System

7.1 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**
FDP on NAAC Accreditation Process	04.08.2017	24
Preparation of SSR for Revised process of NAAC Accreditation	21.09.2017	80
Introduction of Intellectual Property Right (IPR)	15.03.2018	80
Research progress monitoring committee reviewed the progress of the faculty pursuing Ph.D programmes.	17.12.2017	65
Research Proposal Scrutiny Committee reviewed the AICTE AQIS research proposals submitted by faculty members	13.11.2017	40

> *Some Quality Assurance initiatives of the institution are:*
> - *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements*
> - *Participation in NIRF*
> - *ISO Certification*

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
AVCCE	PMKVY	MHRD	I Year	11,01,544

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes

      *upload latest notification of formation of IQAC

10. No. of IQAC meetings held during the year: 1

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website…….
Yes/No: Yes

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?   Yes   No ✓

    If yes, mention the amount: Year:

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

- A series of meetings were conducted by IQAC Cell to create awareness about revised process of NAAC accreditation implemented from July 2017 onwards for all the stake holders.

- Due to continuous efforts of IQAC Cell and seven criterion managers, the college achieved B++ grade in the second cycle of NAAC accreditation in the month of May 2018 with a CGPA of 2.88 compared with 2.73 obtained in the I[st] cycle NAAC accreditation.

- Improvement tests for the Continuous Internal Assessment (CIA) Examination has been suggested in order to obtain a minimum of 14 internal marks by the slow learners. The same has been implemented successfully resulting improve students' performance in the University Examinations.

- A research progress monitoring committee has been constituted by the IQAC to monitor the research progress of faculties pursuing Ph.D programmes. The research progress monitoring committee conducted the review of the research progress of 65 faculties.

- The parallel processing for obtaining accreditation from both NBA and NAAC has been initiated with seven criterion managers to assist the departments. Now the NAAC accreditation has been obtained and preparation for NBA accreditation is on the pipe line.

- Publication achievement award has been constituted to encourage faculty towards quality publication. Guidelines were framed for the above award to identify the achievers.

- Software development teams were formed with faculties and students from ICT branches to develop ERP software towards paperless office communication. Currently four software development projects like Transport Process, Online Student Grievance Redressed System, Paperless Office and Students' Counselling System.

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

Plan of Action	Achievements/Outcomes
Skill development programme, motivation classes and awareness about language training	Aptitude training: Mr.Elangovan, FACE Academy, Chennai, conducted placement training for IV year students from 21.08.2017 to 28.08.2017. Soft skill: Mr. Ka. Kannan & team members, M/S RIPE Training institute, Chennai, conducted motivation programme for III year students from 13.09.17 to 15.09.17 and 18.09.17 to 21.09.17. Communication training: Mrs.A.RamaDevi, Dr. A. Gnanavathe, IRA Academy of Brilliance, conducted Language training for II year students from 5.2.2018 to 9.2.2018
Extension activities in the adapted villages and founder family villages	Special NSS camps have been organized in the adapted villages.
Apply for accreditation certification from companies like TVS and NI Instruments to improve students employability	Accreditation process is initiated.
Certificate courses can be conducted by the college in collaboration with industries	6 certificate programmes have been conducted for the benefit of 413 students of various departments.

Incubation centre has to be initiated for encouraging entrepreneurship among students and to create and grow young businesses	Our college Entrepreneurship Development cell has fetched fund of Rs. **9.2 lakhs** from PRADHAN MANTRI YUVA YOJANA YUVA UDYAMITA VIKAS ABHIYAN SCHEME. The ED cell has also organized 4 workshops, one guest lecture programme and two Faculty development programme. 450 students and 10 staff members were benefited by these programmes.
Parallel processing for accreditation from NBA & NAAC can be done along with obtaining autonomous status.	Individual committee has been formed and 7 criteria managers are assigned for NAAC and NBA work for smooth the work flow. NIRF coordinators were the part of the committee for monitoring quality process.
Invite research supervisor of the teachers doing research with DA / TA and conduct review meeting along with HOD and R&D cell to monitor the progress of the Ph.D work.	Progress of Ph.D work of faculty is reviewed by academic expertise like Principal, Dean and Vice Principal. Suggestions are given by the experts to individual faculty for completing their Ph.D within shortest duration.
Devise plan of action to get into NIRF ranking announced by MHRD as a short term goal.	NIRF data is uploaded for the academic year 2017-18.
Constitute a publication achievement award to encourage faculty towards quality publications	The publication achievement award has been constituted and based on various criterions award has been given to the achievers.
Conduct AVC college of Engineering Formation day commemorating the inception of the college.	Formation day celebration is under discussion.
Invite alumni and industrial oriented person every month of the year for each department to improve the industry interaction through training programmes	12 Alumni and 10 industrial persons have been invited by various departments to improve the industry interaction through guest lectures and training programmes.
Fix benchmark achievements for the Institution based on the expectation of NBA, NAAC and NIRF system and fix targets for the faculty to achieve the benchmark.	Targets for faculties have already been fixed as per the expectations of NBA, NAAC and NIRF systems. Efforts are being made to link the faculty achievements and faculty monetary benefits.
Apply for Pradhan Mantri Kaushal Vikas Yojana (PMKVY) to get funding to impart skill training to school dropout students towards extension and outreach programme.	Nine Skill Development Proposals were submitted to AICTE under PMKVY (Pradhan Mantri Kaushal Vikas Yojana) scheme and five proposals got approved from AICTE and funded by AICTE & MHRD. Approved training Sectors are i) Fitter and Modular Furniture– Mechanical – 15 Trainees

	ii) Mason Concrete – Civil-15 Trainees iii)CCTV Installation – ECE- 20 Trainees iv)Junior Software Developer – MCA-20 Trainees v)Trainee Associate – MBA- 20 Trainees vi)Front Office Management - MBA – 20 Trainees
Secretary insisted to create a e-class room through the course material developed and uploaded by the faculty in the classle cloud campus.	Each classroom is fixed with LCD projectors and staff members can utilize the Wi-Fi facility to download and view e-content from the web and uploaded course materials in the college website for conducting e-class rooms.
Secretary insisted to develop ERP solution towards paperless office communication by involving faculties and students from ICT departments.	Software has been developed for transport, online grievance redressal process, Student daily attendance software by MCA department. Software has been developed for paperless office by MCA and CSE. Software has been developed for students counselling by IT department.
Maths Olympiads and spell bee competition can be arranged for the students with the help of Maths and English departments.	Conducted quiz programme for mathematics on 7-11-17 and 22-11-17 for 57 students. English department conducted Group Discussion on 22-11-17. 30 students have participated.
Certification Yoga programme can be arranged to the students and staff as an add-on programme.	Yoga cell is actively functioning and staff and students are attending yoga session conducted with yoga experts from outside
Replace fluorescent lights with LED lights to conserve energy.	5 kW of lighting load with 125 fluorescent lights have been replaced by 2.5 kW of LED lights.
Finishing school studies concept can be implemented to the final year students.	Under progress
Identify appropriate Vocational Education Training (VET) modules to the discipline of the department concerned and conduct those modules for the benefits of students to improve their employability.	Under review
Conducting preventive classes for the slow learners in the Afternoon session during CIA tests.	Preventive classes for the slow learners have been conducted in the afternoon sessions of CIA test in all the departments for all classes.
Improve the student's attendance, test performance and in turn improve the university results.	Student's attendance and test performance are improved leading to increase of university results. Online student's attendance system is implemented. Student's attendance is monitored daily. The absentee's information is send to their parents through SMS.

Remedial measures and strategic plan of action specific to the individual department to promote the individual subject results, students to secure a minimum of 14 marks in internal examination and department results in the university exams.	Improvement tests have been conducted for slow learners in order to get minimum of 14 internal marks by them.
Provide foreign language courses like German, Japanese and Chinese to improve the employability of students in a global market.	Willing list is prepared from students for Hindi and French language.
Upload course materials in pdf format classified under each department in 'Classle Cloud Campus' intranet facility.	Unit-wise Course materials and question bank in pdf format have been uploaded by faculty members in the 'Classle Cloud Campus' intranet facility. Also course materials have been uploaded in college website for the students use.
Submission of project proposal for the thrust areas focused by the various funding agencies through R&D cell.	Formation of IPR cell. 25 proposals inclusive of 8 for STTP, 5 for RPS, 2 for AICTE-ISTE, 3 FDP proposals and 2 conference proposals have been submitted by all departments for AICTE-AQIS. One Proposal submitted to Naval Research Board under DRDO.
Establish Linkage with industries through Memorandum of Understanding (MOU)	MoU has been signed with IIT Bombay to conduct the IIT Spoken Tutorial Online Certification Programme for the Students of all Discipline on 9th March 2018 and our institution becomes IIT Bombay's Nodal Resource Sub-centre for Mayiladuthurai Region. In connection with that awareness programme on "Talk to the Teachers" by Mrs. Shyama MS., MBA. National Coordinator, Spoken Tutorial (MHRD, Government of India), IIT Mumbai has been held on 9th March 2018.
Motivating the students to take part in the competitions and paper presentations.	21 papers were published in international journal by our UG and PG students. 663 Students had participated in 137 seminar /symposium / workshops / technical events /conferences conducted by other Engineering colleges. Out of which, 87 students fetched prizes and "Best Paper Award". T.Tamilpriya, B.Sangavi, A.Subashree, R.Subhasree of IV year CSE got best paper award in International

	Conference conducted by Sri Krishna college of Engineering, Vellore. S.Arunprasad, G.Kumaran and A.Sundar of IV year CSE got "Best Performance Award" in the International Conference conducted by Sri Krishna college of Engineering, Vellore. Science and Engineering Exhibition titled" Vingaana Valarchi 2018" was held at our college on 6th January 2018. It is organized every year with a motive to encourage and inculcate a scientific temper and the spirit of exploration amongst students. The students showcased their talents in their stream. In this programme around 384 projects were exhibited by all the UG and PG departments. 2,100 students from 28 schools in and around mayiladuthurai were invited and visited our exhibition. 75 projects were exhibited by school students from in and around Mayiladuthurai and first three prize winners were honored by our board of management.
T&P activity planner	Planner has been prepared for training to the students from II year onwards in the field of aptitude, communication skills, soft skills and interview tips. Contact details of companies have also been planned. Students interaction with industrial experts have been organized department wise.
Motivation to get award for the faculty members	**Dr. G. Pradeep**,(Dean Academics), received Young Researchers Award in the faculty of Information and Communication Engineering from Integrated Intelligent Research (IIR) Republic Day Achievers Award for the year 2017. He is also the Ambassador for AICTE – Smart India Hackathon , Nominated by AICTE from January 2017 and coordinate 15 AICTE Approved Institutions – Engineering and Polytechnic. **Prof. Dr. S. Selvamuthukumaran**, Vice Principal, is Member in Tamilnadu State Government higher Secondary Computer Science Syllabus drafting committee for the academic year 2018-19 and also the Member in Board of Studies in Computer Science in A.V.C.College (Autonomous), Mannampandal.

	Dr. J. Eugene I Pradeepkumar, Assistant Professor - MBA received an International Award for Young Faculty (E-Learning) Organizational Development by VIFA.
	Mrs. K. Krishnakumari, Associate Professor-CSE received the "Longest Continuous Student Branch Counselor (SBC)" from the CSI students chapter during 52nd Golden Jubilee Annual convention held on 19/01/2018 – 21/01/2018 in Kolkatta.
	A.V.C. College of Engineering has received an award from ICT Academy for the year 2017- 2018 under the category Best Practices - Research and Development – Students Engagement offered in the institution in the 32nd Edition of BRIDGE 2018 held on 28th March 2018 at Hotel ITC Grand Chola, Chennai
	93 papers have been published in various national and international journals by our staff members in this academic year. This includes 22 journals indexed by web of science with the citation of 47 and 48 journals indexed by scopus with the citation of 79.
	87 papers have been presented in various national and international conferences by our staff members in this academic year.
	The total number of citations of our faculty members publications is 951, the h index is 17 and the i10 index is 34 as per the Google information as on 03.04.2018.
Increase the doctoral degree holders in the institution	2 faculty members from science and humanities, 2 faculties from EEE have been awarded Ph.D, 8 faculty members waiting for Ph.D viva-voce, 65 faculty members are pursuing their Ph.D in various universities. 11 faculty members have been recognized as supervisor for guiding research scholars of Anna University in research centres of mechanical, MCA and chemistry department.
Elsevier journal access facility to be provided	274 online journals are available for the benefit of UG & PG students and faculty members those

	who are pursuing research work.
Faculty members are asked to do NPTEL, MOOC and Swayam online courses.	14 Faculty members are doing NPTEL online courses in their area of specialization.

14. Whether the AQAR was placed before statutory body?   Yes /No: Yes

   Name of the Statutory body: IQAC   Date of meeting(s): 28.12.2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?
Yes/No: Yes   Date: 12th & 13th April 2018

16. Whether institutional data submitted to AISHE: Yes/No: Yes

         Year: 2017 -18   Date of Submission: 05.02.2018

17. Does the Institution have Management Information System?

   Yes   ✓   No

   If yes, give a brief description and a list of modules currently operational.
   (Maximum 500 words)
        The Institution is having computerised management information system for performing the following activities:

- A bio-metric authentication entry system for staff and students.

- Billing software and Accounting software packages as part of office automations

- Automation of Students feedback system for the in-house usage.

- Online Public Catalogue services for the provision of automated book search, issue, return and other value added services.

- College Transport information management software is developed for transport process.

- Student attendance monitoring software is implemented in all the departments to monitor student's class attendance.

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 Curriculum and Regulation is framed by the Anna University, Chennai for all the affiliated institutions. The syllabi and regulations are changed once in four years. Based on the curriculum, course plan for each subject is prepared by the subject staff and deliver the subject to the students. The curriculum is framed in such a way that 45 periods for theoretical / practical subjects and 60 periods for problem oriented subjects. Affiliating University has given the academic schedule and assessment period at the beginning of each semester. An Academic Handbook is prepared at the beginning of the academic year by the Institution for students and staff reference about the working days and assessment schedule. In addition to that, co-curricular calendar has been prepared for every semester which includes planned department level programmes and common programmes to execute it. The subject faculty member concerned maintains the course file and log book which contains student's attendance, assessment marks and portion coverage details. The course file is an official record, a compilation of the planning and execution of teaching/learning activities carried out throughout a semester in an academic year for a particular subject. The course file consists of preface, previous year university question papers, notes, hand outs, PPT, test/exam question papers, three model answer scripts for each test/exam (best, average and academically poor students), Assignment plan, topics and copy of assignment, feedback analysis report etc. For an effective delivery of curriculum, the faculty members have to attend the faculty development programme, seminars, workshops, etc., In addition, special Guest Lectures, Seminars, Workshops are often offered to the students by the experts from the leading industries and the institutions to fill the gap between the student and the faculty members.

The entire process is monitored by the Head of the Department concerned, Dean (Academics) and Principal through verification of records, class room observations, faculty evaluation, self appraisal report, etc.,

S.No	Description
1	Allocation of subjects to the faculty based on their specialization by the HoD
2	Preparation of college academic calendar and co- curricular calendar
3	Preparation of time table
4	Appointment of year coordinators, class in- charges, and class counsellors for effective monitoring of the academics
5	Preparation of lecture plan
6	Classroom teaching by giving lectures with discussions, chalk & talk, OHPs, PPTs, group discussions, quiz, seminars, visual aids, models, videos, NPTEL course materials etc.,
7	Submission of course coverage

	8	Conduct of unit tests, internal tests and model exams
	9	Submission of schedule for remedial classes
	10	Formation of students chapter at the beginning of the semester and conducting association activities (symposium, workshop, intra-department competitions, conference etc.,) throughout the year
	11	Conducting bridge course for the first year and lateral entry students
	12	Conduct of the class committee meeting
	13	Arranging guest lecturer for students relevant to their current courses
	14	Arranging in-plant training for the students to have industry interaction
	15	Conduct of software training and value added courses for the students to fill the academic and industrial gap.
	16	Motivating student teams to participate in conferences, symposium, workshops, paper presentations held in other institutions
	17	Conducting placement related training programmes such as aptitude training, softskill trainings , technical trainings and mock interviews for the final year students aspiring for placement
	18	Result analysis of internal assessment test, model exam along with corrective measures

1.1.2 Certificate/ Diploma Courses introduced during the Academic year

Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
-	-	-	-	-

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
405	05.08.2013	MA5160 - Applied Probability and Statistics	29.08.2017
		CP5151 - Advanced Data Structures and Algorithms	
		CP5152 - Advanced Computer Architecture	
		CP5153 - Operating System Internals	
		CP5154 - Advanced Software Engineering	
		CP5191- Machine Learning Techniques	
		CP5161 - Data Structures Laboratory	
		CP5201 - Network Design and Technologies	23.01.2018
		CP5291 - Security Practices	
		CP5292 - Internet of Things	
		CP5293 - Big Data Analytics	
		IF5191 - Advanced Databases	
		CP5093 - Mobile and Pervasive Computing	
B.Tech(IT) – 205		GE8151-Problem Solving and Python Programming	September 2017
		GE8161-Problem Solving and Python Programming Lab	September 2017
		IT8201- Information Technology Essentials	January 2018

		CS8251- Programming in C	January 2018
		CS8261- C Programming Laboratory	January 2018
		IT8211-Information Technology Essentials Laboratory	January 2018
BE 105	24.6.2011	Fundamandal of Nanoscience Power Quality	26.6.2018
621 MCA	2017	MC5301 - Advanced Data Structures and Algorithms	July 2017
621 MCA	2017	MC5403 - Advanced Databases and Datamining	July 2017
621 MCA	2017	MC5503- Software Testing and Quality Assurance	July 2017
621 MCA	2017	MC5005 - Adhoc and Sensor Network	July 2017
621 MCA	2017	MC5007 - Health Care Management	July 2017
621 MCA	2017	MC5008 - Geological Information Systems	July 2017
621 MCA	2017	MC5009 - Human Resource Management	July 2017
621 MCA	2017	MC5010 - Internet of Things	July 2017
621 MCA	2017	MC5011 - Semantic Web	July 2017
621 MCA	2017	MC5013 - Game Programming	July 2017
621 MCA	2017	MC5014 - Computational Intelligence	July 2017
621 MCA	2017	MC5015 - Principles of Programmign Languages	July 2017
621 MCA	2017	MC5213 - Operating Systems and Embedded Laboratory	July 2017
621 MCA	2017	MC5311 - Data Structures and Algorithms Laboratory	July 2017
621 MCA	2017	MC5411 - Mobile Application Development Laboratory	July 2017
621 MCA	2017	MC5511 - Cloud and Big Data Laboratory	July 2017
621 MCA	2017	MC5512 - Software Testing Laboratory	July 2017

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	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
B.E Civil Engineering	✓	_	2017 – 2018	-	-
B.E Electronics and Communication Engineering	✓	-	2017 – 2018	-	-

Course					
B.E Electrical and Electronics Engineering	✓	-	2017 – 2018	-	-
B.E Mechanical Engineering	✓	-	2017 – 2018	-	-
B.Tech Information Technology	✓	-	2017 – 2018	-	-
B.E. Instrumentation and Control Engineering	✓	-	2017 – 2018	-	-
B.E. Computer Science Engineering	✓	-	2017 – 2018	-	-
M.E Applied Electronics	-	✓	2017 – 2018	-	-
M.E Energy Engineering	-	✓	2017 – 2018	-	-
M.E Computer Science Engineering	-	✓	2017 – 2018	-	-
Master of Business Administration	-	✓	2017 – 2018	-	-
Master of Computer Applications	-	✓	2017 – 2018	-	-

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

No of Students	Certificate	Diploma Courses
98	Certificate Course on ASP and C# . NET	-
362	Workshop on "Exploring the power of 'C' – An Interview Perspective training programme"	-
104	Programme on Awareness cum coaching programme for TANCET '2018	-

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
IOSH (Safety course)	07.08.2018 to 12.08.2018	22
Aptitude Training – FACE Academy	21.08.2017-28.08.2017	200
Soft Skills Training – RIPE Soft Skills	13.09.2017 – 22.09.2017	350
"Application of STADD PRO Software in Civil Engineering"	07.07.2017 & 08.07.2017	64
Entrepreneurship Awareness Programme	16.08.2018 to 20.08.2018	41
Students Aptitude Skill Development Programme	7.09.2018 to 13.09.2018	41
E-CADD TRAINING	2.1.2018	55
Communication Training – IRA	5.2.2018 to 9.2.2018	350

Academy of Brilliance		

1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
An application for college management system using android.	3
Improve the quality of the text summarization using text ranking algorithm.	2
Intrusive probe antidote for agronomic diseases	2
Cloud services concession in IoT surroundings: A miscellaneous approach.	2
B.Tech – IT	2
Survey camp	40
Field Projects & Internships	27
Application Oriented [Field Project]	33
Web based [Field Project]	17
System based [Field Project]	18

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	Yes	Yes	Yes

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

Periodical feedback is obtained from the stakeholders to provide vital inputs to the Institute to initiate quality sustenance and quality enhancement measures. The Institute follows a formal mechanism to get feedback on existing system from students through their suggestions, especially when they return to the Institute after completing internship programme from all over the state. They are asked to give their candid suggestions for improvements in the existing system. Apart from this, the Institute also gets suggestions from various stake holders such as students, teachers, parents and employers. Alumni who are very well placed all over the world, as and when they visit the Institute as examiners, for Alumni Meetings. Workshops, Seminars and Conferences etc., are conducted to overcome the needs suggested through feedback. The suggestions so obtained are forwarded to the concerned HODs. These suggestions are then deliberated in the HoD meetings. Providing facility under feedback system of mailing through "feedback@avccengg.net" enables the stakeholders to provide feedback. Learning needs of the students are assessed by getting constant feedback from the learners at the beginning and at the end of every semester. Evaluation feedback is received from students regularly for all the courses. The pointers raised serve to improve the existing teaching methodology and innovate better teaching practices. The alumni are regularly contacted to identify the strengths and weaknesses and the necessary changes incorporated periodically in the curriculum. The feedback of the teachers from the students also help in enhancing the teaching-learning capabilities by overcoming the barriers.

CRITERION II - TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications	Students Enrolled
B.E. Mechanical	120	114	114
B.E. ECE	60	53	53
B.E. CSE	60	55	55
B.Tech IT	60	38	38
B.E. ICE	60	32	32
B.E. Civil	60	53	53
B.E. EEE	60	49	49
MBA	45	43	43
MCA	60	32	32
M.E. Energy Engineering	18	04	04
M.E. CSE	24	10	10
M.E. Applied Electronics	24	07	07

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 full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017-18	1684	276	114	16	9

2.3 Teaching - Learning Process

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

Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
139	139	• LCD with Screen • Multimedia Tools • ICT Enabled Systems • Intranet	34	5	• Classle Cloud Campus • Powerpoints • Video Lectures • NPTEL • E-Books • You tube • E-Journals • Moodle • E-Learning

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

Yes. In our Mentoring system each teacher is assigned a small group of student wards. The interactions between them help the mentors to have a comprehensive record of their activities, academic co-curricular achievements and problems.

The practice of the mentor system was started, recognizing the need for the present day college students to have a friend, counsellor and confidante on the campus. The practice is aimed at fostering a better rapport between the students and the teachers at a personal level. The teacher collects personal information from her ward. The teacher meets her wards informally outside class hours. Students are guided regarding their career options.

The scheme is adapted for the value additions to the students like –
- Bridging the gap between the teachers and students.
- Creation of a better environment in college, where students can approach teachers for both educational and personal guidance.
- Enhancement of knowledge base for both teachers and students alike, due to effective two-way communication.
- Motivation for higher studies and entrepreneurship.
- Advice and support for improvement in academic performance.

Ongoing process:
- Regular meetings are held between mentor and mentee.
- A counseling record is maintained for each student.
- The report card has both personal and academic data.
- Students are allowed to approach the mentor for both academic & personal problems.
- Personalized professional /career advice is given to the mentee.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
1960	139	1:14.1

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
139	139	-	-	26

2.4.2 Honours and recognitions 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	K. Krishnakumari	Associate Professor	Longest Continuous Student Branch Counsellor (SBC)
2018	Dr.R.Kanimozhi	Assistant Professor	TNSCST Project Guide

2018	Dr.R.Kanimozhi	Assistant Professor	Organized department level seminar on" Web security"
2017	Dr.S.Vadivazhagi	Associate professor	Journal reviewer for ISA Transactions
2018	Dr. G. Pradeep	Professor	Technical Committee member in IASED -2018 (International Academy of science and Engineering for Development)
2018	Dr. G. Pradeep	Professor	Technical Committee member in ICACI -2019 (International Conference on Adaptive Computational Intelligence)

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
B.E (All Branches)	-	1 / I	22.01.2018	11.02.2018
		2 / I	28.05.2017	29.06.2018
B.E Mech	114	3/II, 5/III,7/IV	30.11.2017	29.12.2017
		4/II, 6/III	25.04.2018	29.06.2018
		8/IV	04.05.2018	25.05.2018
B..E. ECE	106	3/II, 5/III,7/IV	30.11.2017	29.12.2017
		4/II, 6/III	25.04 .2018	29.06.2018
		8/IV	04.05.2018	25.05.2018
B.E. CSE	104	3/II, 5/III,7/IV	30.11.2017	29.12.2017
		4/II, 6/III	25.04.2018	29.06.2018
		8/III	04.05.2018	25.05.2018
B.Tech IT	205	3/II, 5/III,7/IV	30.11.2017	29.12.2017
		4/II, 6/III	25.04 .2018	29.06.2018
		8/III	04.05.2018	25.05.2018
B.E. ICE	112	3/II, 5/III,7/IV	30.11.2017	29.12.2017
		4/II, 6/III	25.04 .2018	29.06.2018
		8/III	04.05.2018	25.05.2018
B.E. Civil	103	3/II, 5/III,7/IV	30.11.2017	29.12.2017
		4/II, 6/III	25.04 .2018	29.06.2018
		8/III	04.05.2018	25.05.2018
B.E. EEE	105	3/II, 5/III,7/IV	30.11.2017	29.12.2017
		4/II, 6/III	25.04 .2018	29.06.2018
		8/III	04.05.2018	25.05.2018

		1 / I	13.12.2017	11.02.2018
M.E Energy Engg	407	3 / II	30.11.2017	29.12.2017
		2 / I	30.04.2018	29.06.2018
M.E. Applied Electronics	401	1 / I	13.12.2017	11.02.2018
		3 / II	30.11.2017	29.12.2017
		2 / I	30.04.2018	29.06.2018
M.E. CSE	405	1 / I	13.12.2017	11.02.2018
		3 / II	30.11.2017	29.12.2017
		2 / I	30.04.2018	29.06.2018
MBA	631	1 / I	13.12.2017	11.02.2018
		3 / II	30.11.2017	29.12.2017
		2 / I	04.05.2018	29.06.2018
MCA	621	1 / I	14.12.2017	11.02.2018
		3 / II, 5/III	30.11.2017	29.12.2017
		2 / I, 4/ II	30.04.2018	29.06.2018

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

A.V.C. College of Engineering Examination Cell is headed by Senior permanent faculty with Ph.D qualification is nominated by the Management on the basis of potential of the person and who act as chief superintendent to conduct the Anna University Theory Examinations whereas for the practical examinations the Principal of the college shall be the Chief Superintendent

The Coordinator of Examination is supported by a team of department coordinators as suggested by the respective head of the department and approved by the Principal of the College. The number of persons to be nominated shall depend on the quantum of work in the Examination Cell. The Examination Cell comprises of two full time technical cadre staff and an office assistant to carry out the work related to internal / external examinations (preparation of invigilators list, time table, circulars, maintenance of faculty data, Web Portal Entry Process related to Anna University, Chennai, seating arrangement, exam hall preparation, preparation of examiners appointment orders for internal / external invigilation, exam fee payment process and registration in the university web portal, etc

Academic Schedule
Academic Calendar has been prepared and each semester shall normally consist of 90 working days or 450 periods of 50 minutes each for UG Programme and 350 periods for PG Programme, which includes the internal assessment test periods. The Head of the Institution shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught

Web Portal Entry Procedure
As per the University, the internal assessment and attendance entries for each assessment are entered in the University web portal. For each theory subject, there must be four entries, first entry includes only attendance for the theory subjects and the remaining three entries include individual attendance and marks for the respective theory subjects .whereas for the practical courses, the attendance and mark entries are entered only at the last entry in the Anna University web portal ie., at the fourth entry. Once the four entries are completed, Anna University portal generates the internal marks and Hall Tickets for

the eligible candidates of the corresponding semesters. The minimum attendance percentage eligibility for a candidate to appear for the university examination is 75%.

General Guidelines

- Follow only the typical question paper format (Booklet Format) with common instructions printed. The nature of question paper should be precise. Paper setter should design question paper based on bloom's taxonomy and with university standards.
- The portion coverage for the first two internal tests is 1.5 to 2 units each and for the model examination the portion coverage is entire five units. The staff concerned has to submit the portion coverage details and number of questions asked in each unit in the question paper to the exam cell before the commencement of the internal tests.
- The questions shall be based on the course outcomes fixed for the corresponding subjects and it should be verified by the faculty in-charges after the examination regarding the attainment level of the students for each course outcome.
- The Question Paper comprises of three parts namely Part – A, Part – B and   Part – C.
  - Part A contains 10 questions and each carries 2 Marks
  - Part B contains 5 questions (either or pattern) and each carries 13Marks
  - Part C has 1 question (Case Study / Problem in either or pattern) with 15 marks
- The HoD /senior faculty has to verify the question pattern, quality and implementation of Bloom's taxonomy in the question paper.
- Two sets of question papers are prepared by the concerned subject staff and submit to the exam 10 days before the commencement of the internal tests. The exam cell coordinator has to select the one set and multiple copies are taken in the exam cell.
- Exam Cell Committee members have to prepare the hall plan, seating arrangements, question paper distribution on exam days, staff invigilation duty, squad duty and support staff duty etc., The staff duty details are circulated in advance to the concerned departments. If anybody wants to make an alternate arrangement in the duty, he / she has to submit duty change form with the approval of the HoD.
- The answer booklet for the Internal Tests is similar to Anna University Booklet pattern in order to give practice to write the answers within the booklet and procedure.
- The faculty who has set the question paper should submit the scheme of valuation and answer key to the exam cell.
- Any absentee in the internal tests is marked in the absentee form, intimated to the HoD on daily basis during the test periods for immediate action and copy of the absentee is sent to the departments at the end of each internal test
- Retest mechanism is followed only for the internal test absentee. students who are willing to write the retest has to pay a fine amount of Rs.50.00 per paper and a separate timetable is prepared and the test will be conducted within 10 days. The second set of question paper is distributed and separate staff invigilation duty is allotted to foresee the retest.
- Central Valuation system is followed for the internal tests and the respective HoD's should verify the three to four answer scripts and submit the class wise answer scripts verification report to the exam cell.
- Consolidated Marks and Subject Performance Report are prepared in the department and submitted to the exam cell within 10 days after the CIA tests. Based on the student's

performance in the internal tests, the remedial class sessions are arranged for the slow learners as proactive mechanism for end semester university examinations.

- Before each Internal Assessment tests, two class tests also known as daily tests of 20 marks are conducted for the respective subjects to improve the study and writing skills of the students in a systematic way. The exam cell committee members have to prepare the hall plan, seating arrangements, question paper distribution on exam days, staff invigilation duty, etc.

- Improvement tests for the Continuous Internal Assessment (CIA) Examination has been conducted to the slow learners not obtain a minimum of 14 internal marks. Improvement test marks will be added to CIA marks obtained by the slow learners and caped to 70 marks towards moderation.

- Based on the class test performance and internal assessment test (CIA), the internal marks (20 Marks) are calculated. The weightage is 40 marks for the class tests and 60 marks for CIA tests and the total of 100 marks is calculated for every student and entered in the university web portal for the second, third and fourth entries. Once the entry is made at Anna University web portal, every student can login in to the portal and check his/her attendance and marks in the respective subjects. Earlier, the weekly attendance, CIA Marks and Internal Marks are displayed in the student's notice board of the respective departments for a period of three to five working days.

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

The curriculum is framed in such a way that 45 periods for theoretical / practical subjects and 60 periods for problem oriented subjects. Anna University has given the academic schedule and assessment period at the beginning of the each semester. An Academic Handbook is prepared at the beginning of the academic year by the Institution for students and staff reference about the working days and assessment schedule at par with the academic schedule of Anna University, Chennai.

1. Before each Internal Assessment tests, two class tests also known as daily tests of 20 marks are conducted for the respective subjects to improve the study and writing skills of the students.
2. Based on the class test performance and internal assessment test (CIA), the internal marks (20 Marks) are calculated. The weightage is 40 marks for the class tests and 60 marks for CIA tests and the total of 100 marks is calculated for every student and entered in the university web portal for the second, third and fourth entries. Once the entry is made at the Anna university web portal, every student can login in to the portal and check his/her attendance and marks in the respective subjects. Earlier, the weekly attendance, CIA Marks and Internal Marks are displayed in the student's notice board of the respective departments for a period of three to five working days.

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.avccengg.net/downloads/AOI.pdf

The Institution and the departments stated their PEOs, PSOs and POs. It is disseminated to all the students through college calendar, website, notice board etc., The department staff members disseminate the course outcome in the form of oral presentations in the first class of every semester, representations in Lesson plans and also during the elective selection process. The faculty members are

also insisting the students to explain the objectives that are already met and yet to meet. The course outcome includes specific knowledge, applications, areas of development, allied areas to think, etc., which the institution expect the students to learn in their course duration. The faculty members and students are made aware of the course objective and course outcome which is indicated in the curriculum framed by the Anna University Website as well as in the Institution website. The PEOs, POs, PSO and COs are frequently discussed in the class room sessions, class committee meetings and also in Faculty advisor meeting. Senior faculty members are conducting seminar/meetings frequently in order to train faculty members to achieve the learning outcomes, POs. PSOs and COs. At the end of each Assessment, an analysis is made in the class and also in the class committee meeting to meet out the learning outcomes. During the interaction with the students in the class committee meeting, the course objectives and outcomes are emphasized by the chairperson of the meeting.

The COs are displayed on

- Course Plan
- College website in Syllabus page
- Class work Notes
- Practical record

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
114	B.E. Mechanical	136	94	69.11
106	B.E. ECE	64	56	87.5
104	B.E. CSE	60	59	98.33
205	B.Tech - IT	47	31	65.95
112	B.E. ICE	43	33	75
103	B.E. CIVIL	62	42	67.74
105	B.E. EEE	62	54	87.09
407	M.E Energy Engineering	02	02	100
401	M.E Applied Electronics	7	7	100
405	M.E. CSE	6	6	100
631	MBA	28	21	68.96
621	MCA	66	48	73
Total		**583**	**453**	**77.70**

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)

http://www.avccengg.net/downloads/stuquestionnaire.pdf

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 Academic year
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students Research Projects *(other than compulsory by the College)*	6 Months	TNSCST	9500	9500
International Projects	-	-	-	-
Any other(Specify) Entrepreneurship awareness scheme	6 days	DST-NIMAT Project 2018-19	40000	40000
PMKVY 6 Training Sectors for 110 students	1 Year	MHRD – AICTE	1101544	440617.50
Authentication of smartphone users using behavioural biometrics	6 months	TNSCST	9500	9500
Total			**1160544**	**499617.5**

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(s)
"Health and Safety as a Global Career" By Er.Mohammed Ali Jinna, Proactive Excell Manufacturing Cosultancy, Dubai. (250 Students and 10 Faculties)	Mechanical Engineering	30.08.17
Certificate Course titled on "Certificate Course on 'ASP and C# .NET'"	CSE	12.06.2017 –16.06.2017
1- Day Workshop titled on "Cisco Packet Tracer - Network Simulator"	CSE	25.07.2017
Soft Skills Training – RIPE Soft Skills	CSE	13.09.2017 – 22.09.2017
Soft Skill Programme	CSE	14.09.2017 (2 Hours) &15.09.2017 (2 Hours)

Workshop on "PHP Programming"	CSE	11.03.2018 – 13.03.2018
Lecture on "Personal and Professional Development"	CSE	28.02.2017
Workshop on "Ionic Framework for Android and iOS"	CSE	20.07.2017 to 22.07.2017
Guest Lecture on "Awareness on Competitive Examinations and Introduction to BHIM App"	CSE	03.07.2017
Alumni Guest Lecture on "Industry Expectations and Learning Tips"	CSE	03.07.2017
Workshop on "Need of Aptitude in Engineering"	CSE	05.01.2018
Employment Opportunities in Banking Sector	Management Studies	07.10.2017
Orientation Programme on "Call Centre – Profession"	Management Studies	11.09.2017
Guest Lecture Programme on "*Goods and Services Tax* (*GST*)"	Management Studies	22.08.2017
Financial planning of young Investors Workshop in association with SEBI on Financial planning of young Investors	Management Studies	17.04.2017
Emerging Trends in Industrial Management	Management Studies	06.04.2017
Quality in Japanese Approach	Management Studies	14.11.2017
Guest Lecture on "Recent Trends in IoT"	Computer Applications	14.10.2017
Hardware & Network Troubleshooting	Computer Applications	26.03.2018
Alumni Workshop on PaaS in cloud computing	Computer Applications	20.03.2018
Alumni Guest Lecture on "Web Application Development using Spring Boot"	Computer Applications	24.03.2018

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

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Young Researchers Award – 2017	Dr.G.Pradeep	Faculty of Information and Communication Engineering from Integrated Intelligent Research (IIR)	18.01.2018	Research and Development

Computer Science Syllabus drafting committee for Higher Secondary Education	Dr.S.Selvamuthukumaran	Tamilnadu State Government Department of Secondary Education	-	Syllabus drafting committee
Longest Continuous student Branch Councellor	K.Krishnakumari	CSI	19.01.18	Student Branch Counsellor
Best Girl Student Award 18	M.Anusuya	A.V.C College of Engineering – Women's Day Celebrations	08.03.18	Student
Best Paper Award	Tamilpriya T Sangavi.B Subasri A Subasri.R	International Conference--Sree Krishna college of Engineering, Anaicut, Vellore	24.03.18	Student
Best Performance Award	Arun Prasad S Kumaran G Sundar A	International Conference--Sree Krishna college of Engineering,Anaicut, Vellore	24.03.18	Student
Improving the performance of students through innovative research practices	A.V.C. College of Engineering	ICT Academy	28.03.2018	Research and Development
International Award for Young Faculty	Dr. J. Eugene I Pradeepkumar	VIFA	12.02.2018	Young Faculty

3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
-	-	-
Name of the Start-up	**Nature of Start-up**	**Date of commencement**
-	-	-

3.3 Research Publications and Awards

3.3.1 Incentive to the teachers who receive recognition/awards

State	National	International
-	Rs. 2000 given to Mrs. K. Krishnakumari from the	-

	Management for receiving the award Best SBC award.
Mrs.B.Muthulakshmi received the incentive published in reputed journal Rs.4000/-	-	-
Dr.J.Swaminathan received the incentive published in reputed journal Rs.2000/-	-	-
A.Balaji received the incentive published in reputed journal Rs.4000/-	-	-
-	Rs. 2000 given to Dr.G.Pradeep from the Management for receiving the Young Researchers Award – 2017	-

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

Name of the Department	No. of Ph. Ds Awarded
Mechanical Engineering	1
Computer Applications	1

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

	Department	No. of Publication	Average Impact Factor, if any
National	CSE	1	**-**
	EEE	1	**-**
	S & H	4	**-**
International	Mechanical	2	0.3
	ECE	5	0.5
	CSE	8	-
	IT	1	2.396
	ICE	3	2.83
	Civil	22	1.5
	EEE	6	0.8
	MCA	5	2.28
	S & H	4	-

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

Department	No. of publication
ECE	2
CSE	1(Book)
CSE	1
IT	8
ICE	2 (Book)
Civil	20
EEE	5 (Book)
MCA	8

3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Experimental investigation and multi objective optimisation of Duplex 2304 drilling operation using evolutionary algorithm	M.Varatharajulu	International Journal of Manufacturing Technology and Management	2018	-	YES	-
A Review on Mechanical and Chemical Properties of Friction Stir Welded Alloys of Al, Mg and Other Related Metals.	M.Ramamurthy	International Journal on Recent Researches in Science, Engineering & Technology	2017	-	-	YES
Comparative Analysis of SCMR, P-LEACH and VLEACH Routing Protocols in Wireless Sensor Network	Dr.S.Sivanesskumar	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	March 2018	-	A. V. C. College of Engineering, Mayiladuthurai	-
Study and Analysis of Switched Mode DC – DC Converter Topologies for Telecommunication System	Chitravalavan	International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS)	June 2017	4.119	PRIST University, Thanjavur	-

Title	Author	Journal	Date	Impact Factor	Affiliation	
Hybrid Feed Forward Control For Power Factor Correction Rectifier	Chitravalavan	International Research Journal of Engineering and Technology (IRJET)	March 2018	7.211	A.V.C College of Engineering	-
Investigation of Interleaved Power Factor Correction Circuit with Non-linear Carrier Current Control	Chitravalavan	Journal of Advanced Research in Dynamical & Control Systems	July 2018	-	PRIST University, Thanjavur	-
Survey on Reporting Channel Overhead Reduction in Cooperative Spectrum Sensing For Cognitive Radio Network	C.Jayasri	International Journal of Advance Research in Science and Engineering (UGC Approved)	March 2018	-	A.V.C College of Engineering	-
Analysis of Aloha Protocols in Cognitive Radio Network	C.Jayasri	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	April 2018	6.8	A.V.C College of Engineering	-
Random Access Cooperative Spectrum Sensing In Cognitive Radio Network	C.Jayasri	International Research Journal of Engineering and Technology (IRJET)	Jan 2018	6.17	-	-
Implementation of Vision based Driver fatigue by using Multi model Fusion Scheme	K.R.Vinothini	International Journal for Research in Applied Science and	April 2018	-	A.V.C College of Engineering	-

		Engineering Technologies (IJRASET)				
Hybrid bacterial foraging algorithm for Continuous authentication system in Biometrics	K.R.Vinothini	International Journal of Advance Research in Science and Engineering (UGC Approved)	March 2018	-	A.V.C College of Engineering	-
Leakage Power Reduction by Using Power Gating Method in Differential Amplifier	R.Ramya	International Journal for Research in Applied Science and Engineering Technologies(IJRASET)	April 2018	-	A.V.C College of Engineering	-
Design and Implementation of BUCK Converter Using High slew Error Amplifier	A.P.Prabakaran	International Journal for Research in Applied Science and Engineering Technologies	March 2018	-	AVC College of Engineering	-
Structural and power analysis of ripple carry Adder in QCA	S.Senthilnathan	ARPN Journal of Engineering and Applied Sciences	April 2018	-	AVC College of Engineering	-
Scalable Aspect-Based Summarization in the Hadoop Environment	Mrs.K.Krishnak umari E.Sivasankar	Advances in Intelligent Systems and Computing, Publisher: Springer, Singapore	Jan 2018	=	=	=
A Hybrid ABC-SA based optimized scheduling and	Mrs.B.Muthulaks hmi	Springer Cluster	Sep 2017	-	-	-

resource allocation for Cloud Environment,	K.Somasundaram	Computing (Scopus Indexed).				
Ensemble classifier technique for decision making to detect breast cancer using data mining tool	Dr.S.Padmapriya	Global journal of pure and applied mathematics.	2017	-	-	-
Efficient prediction of stock market trading decision using accelerated particle swarm optimization algorithm	Mrs.J.Sudha	Global journal of pure and applied mathematics	2017	-	-	-
Domain adaptation in sentiment classification using deep sentence properties	Mrs.K.Krishnaku mari	Global journal of pure and applied mathematics	2017	-	-	-
Detection and location of eavesdropper in multi channel multi hop wireless mesh networks	Mrs.B.Muthulaks hmi	Global journal of pure and applied mathematics	2017	-	-	-
A semantic keyword 31earching microblog using topical knowledge – A Deep learning knowledge	Mrs.B.Muthulaks hmi	Global journal of pure and applied mathematics	2017	-	-	-
Improved text feature learning mechanism for fast motion video and retrieval	Mrs.B.Muthulaks hmi	Global journal of pure and applied mathematics	2017	-	-	-
Robust controller Design for a coupled tank system	S.Vadivazhagi T.Sivakumari	International Journal for Scientific Research and Development	Novem ber 2017	-	A.V.C. College of Engineering	-

Efficient Farming and Irrigation System for Agriculture using Rasperry Pi	Dr.S.Vadivazhaghi T.Sivakumari	International Journal of Advance Research in Science and Engineering	March 2018	-	A.V.C. College of Engineering	-
Vibrational Measurement Analysis of Fault Latent on a Gear Tooth	Ms.J.Sharmila Devi	International Journal of Advance Research in Science and Engineering	March 2018	-	A.V.C. College of Engineering	-
Smart Helath Monitoring System using IoT	N.Dhanasekar	International Journal of Engineering Research & Technology	2018	-	-	-
Simulation And Experimental Assessment of Positive Output Triple Lift Luo Converter With Different Controllers	N. Dhanasekar	Journal of Electrical Engineering	2018	-	-	-
Fire Detection And Mitigation System Using Fuzzy Logic	N. Dhanasekar A.Ravi	International Journal of Advance & Innovative Research	2018	-	-	-
Implementation of IoT Based Smart Agriculture	N. Dhanasekar	International Journal of Advance & Innovative Research	2018	-	-	-
IoT Based Monitoring System in Smart Agriculture	N. Dhanasekar	International Journal of Research and Analytical Reviews	2018	-	-	-

Performance Evaluation Of Positive Output Triple-Lift Luo Converter With Different Controller	N. Dhanasekar	International Journal of Scientific & Engineering Research	2018	-	-	-
Investigation on Normalization Phase in Three Dimensional Face Recognition System	Dr.S.Selvamuthukumaran Professor & Director	Journal of Advanced Research in Dynamical & Control Systems	July 2017	-	A.V.C. College of Engineering	-
Feature Extraction using various Pose Angles in Three Dimensional Face Recognition	Dr.S.Selvamuthukumaran Professor & Director	International Journal of Applied Engineering Research	2017	82.67	A.V.C. College of Engineering	-
A Fuzzy-Based Intelligent Cloud Broker with MapReduce Framework to Evaluate the Trust Level of Cloud Services Using Customer Feedback	Dr.S.Selvamuthukumaran Professor & Director	International Journal of Fuzzy Systems	2018	2.83	A.V.C. College of Engineering	-
Cloud Broker Framework for Infrastructure Service Discovery Using Semantic Network	Dr.S.Selvamuthukumaran Professor & Director	International Journal of Intelligent Engineering and Systems	2018	-	A.V.C. College of Engineering	1
An Efficient Image Inpainting Using Patch Sparsity with Geodesic Distance	Mrs.A.Suganthi		July 2017	-	A.V.C. College of Engineering	1
Robust controller Design for a coupled tank system	S.Vadivazhagi T.Sivakumari	International Journal for Scientific Research and	November 2017	-	A.V.C. College of Engineering	

		Development				
Efficient Farming and Irrigation System for Agriculture using Rasperry Pi	Dr.S.Vadivazhaghi T.Sivakumari	International Journal of Advance Research in Science and Engineering	March 2018	-	A.V.C. College of Engineering	-
Vibrational Measurement Analysis of Fault Latent on a Gear Tooth	Ms.J.Sharmila Devi	International Journal of Advance Research in Science and Engineering	March 2018	-	A.V.C. College of Engineering	-

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

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Experimental investigation and multi objective optimisation of Duplex 2304 drilling operation using evolutionary algorithm	M.Varatharajulu	International Journal of Manufacturing Technology and Management	2018	-	-	AVCCE
A Review on Mechanical and Chemical Properties of Friction Stir Welded Alloys of Al, Mg and Other Related Metals.	M.Ramamurthy	International Journal on Recent Researches in Science, Engineering & Technology	2017	-	-	AVCCE

Title	Author	Journal	Date	Vol	-	College
Scalable Aspect-Based Summarization in the Hadoop Environment	Mrs.K.Krishnakumari E.Sivasankar	Advances in Intelligent Systems and Computing, Publisher: Springer, Singapore	January 2018	19	-	AVCCE
A Hybrid ABC-SA based optimized scheduling and resource allocation for Cloud Environment,	Mrs.B.Muthulakshmi K.Somasundaram	Springer Cluster Computing (Scopus Indexed).	September 2017	31	-	AVCCE
A Hybrid ABC-SA based optimized scheduling and resource allocation for Cloud Environment,	Mrs.B.Muthulakshmi K.Somasundaram	Springer Cluster Computing (Scopus Indexed).	September 2017	-	-	AVCCE
Ensemble classifier technique for decision making to detect breast cancer using data mining tool	Dr.S.Padmapriya	Global journal of pure and applied mathematics.	2017	-	-	AVCCE
Efficient prediction of stock market trading decision using accelerated particle swarm optimization algorithm	Mrs.J.Sudha	Global journal of pure and applied mathematics	2017	-	-	AVCCE
Domain adaptation in sentiment classification	Mrs.K.Krishnakumari	Global journal of pure and applied	2017	-	-	AVCCE

		mathematics				
using deep sentence properties						
Detection and location of eavesdropper in multi channel multi hop wireless mesh networks	Mrs.B.Muthulakshmi	Global journal of pure and applied mathematics	2017	-	-	AVCCE
A semantic keyword 36earching microblog using topical knowledge –A Deep learning knowledge	Mrs.B.Muthulakshmi	Global journal of pure and applied mathematics	2017	-	-	AVCCE
Improved text feature learning mechanism for fast motion video and retrieval	Mrs.B.Muthulakshmi	Global journal of pure and applied mathematics	2017	-	-	AVCCE
Investigation on Normalization Phase in Three Dimensional Face Recognition System	Dr.S.Selvamuthukumaran Professor & Director	Journal of Advanced Research in Dynamical & Control Systems	July 2017	-	-	AVCCE
Feature Extraction usin g various Pose Angles in Three Dimensional Face Recognition	Dr.S.Selvamuthukumaran Professor & Director	International Journal of Applied Engineering Research	2017	82.67	-	AVCCE
A Fuzzy-Based Intelligent Cloud Broker with MapReduce	Dr.S.Selvamuthukumaran Professor & Director	International Journal of Fuzzy Systems	2018	2.83	-	AVCCE

Framework to Evaluate the Trust Level of Cloud Services Using Customer Feedback						
Cloud Broker Framework for Infrastructure Service Discovery Using Semantic Network	Dr.S.Selvamuthuk umaran Professor & Director	International Journal of Intelligent Engineering and Systems	2018	-	-	AVCCE
An Efficient Image Inpainting Using Patch Sparsity with Geodesic Distance	Mrs.A.Suganthi	Journal of Engineering Technology	July 2017	1	-	AVCCE

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

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	20	45	33	5
Presented papers	54	31	6	-
Resource Persons	-	3	12	28

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 co-ordinated such activities	Number of students participated in such activities
Mega Blood Donation Camp	New Century Lions Club, Mayiladuthurai.	3	174
PMKVY	AICTE	2	110
Soft Skill by Barclay's bank	Mr.J.Krishanan Barclay's bank	2	64

Soft skill development programme from RIPE	Mr.Manikandan, RIPE	4	100
Apptitude training by FACE Academy	Mr.Elangovan, Face acedemy Chennai	10	200
Republic Day Cultural	AVCCE	1	14
Independence Day Cultural	AVCCE	1	12
International Youth Day Regional Level Competitions	Thanjavur DAPCU in coordination with Bharathidasan University	2	28
Cauvery Maha Pushkaram, Mayiladuthurai (Rangoli and Instrument Play)	Cauvery Pushkaram	-	26
Akada vikatam	Raj Tv Media Networks	-	3
New Year Celebrations	AVCCE	-	2(drums/Pad)
Republic Day	AVCCE	-	23
Annai Veera Thai Thiruvizha	Annai College of Engg and Tech, Kovilacherry	-	35

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	No. of Students benefited
Project proposals submission and participation.	Dr KALAM Young Achiever Award 17	AICTE	29
Best Girl Student Award 18	Girl Student Award	AICTE	01
Best Girl Student Award 17	Girl Student Award	A.V.C College of Engineering – Women's Day Celebrations	01

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 coordinated such activities	Number of students participated in such activities
NSS	Govt. Hospital Mayiladuthurai & Kali Blood Bank	Blood Donation camp on on 11.08.2017	2	163 Units
NSS	AVCCE	Tree Plantation programme	2	500 Trees
NSS	AVCCE	Road Safety Awareness Rally programme	2	All Students
NSS	AVCCE	Essay Competition programme in the theme of "Corruptions Free in India"	2	22
NSS	AVCCE	Awareness Rally Programme in the Theme of "CLEAN INDIA"	2	200
NSS	AVCCE	voter's day Rally Programme	2	500
NSS	Govt. Hospital Mayiladuthurai & Thanjavure Medical College,	Blood Donation camp on 16.02.2018.	2	170 Units
Smart India Hackathon 2018	AICTE	Smart India Hackathon 2018	4	12
WYF (World youth federation)	Government Organisations	Research	2	19
Mahalir Pudhuvalvu Thittam	District Collector office	College Bazaar	2	42
Swachh Bharat	Swachh Bharat Hackathon	Innovative model proposal	3	22
Empowerment of Villages Through Technologies.	AICTE-ECI-ISTE Chhatra Vishwakarma Awards 2018	Innovative model proposal	5	20
Rural Development	Smart India Hackathon 2018	Open Innovation Model	8	32
Tamilnadu State Council for Science and Technology	Government Organisations	Student Project Scheme	1	4

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
Paper publication - "Experimental investigation of mechanical and machining parameters of hybrid nanoclay glass fiber-reinforced polyester composites" Journal – "Advanced Composites and Hybrid Materials 2018 " Publisher – Springer	Dr.A.Balaji, AP/Mech, A.V.C.College of Engineering. Dr.B.Karthikeyan, Prof/Mech, Annamalai University	Self supported	N/A
Paper publication - "Experimental investigation of Gravity Assisted Heat pipe Heat Exchanger using D.I. Water" Journal – Journal emerging technologies and innovative research August 2018, Volume 5, Issue 8	R. Rajmohan , AP/Mech, A.V.C.College of Engineering. B. Sivaraman, Prof/Mech, Annamalai University	Self supported	N/A
Smart India Hackathon 2018	2 Mentor and Students	AVCCE	2 Days
Paper presentation	Staff and research scholar(Mrs.J.Sudha)	-	3 Days
Paper presentation	Staff and research scholar(Mrs.K.Krishnakumari)	-	3 Days
Paper presentation	Staff and research scholar(Mr.M.Siva Sundara Vinayaga Moorthy)	-	2 Days
Journal publishing	Mrs.B.Muthulakshmi K.Somasundaram	-	1-day
Journal publishing	Mrs.K.Krishnakumari E.Sivasankar	-	1-day
MEMS LAB. Annamalai University	Mrs.M.Latha	---	2016-18
Workshop	8 Students	---	2017-18

3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work,

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Participant
				sharing of research facilities etc. during the year
Industrial Visit	IV	M/s. ELTEX Supercasting Ltd, Coimbatore	15.09.2017	Third Year Mechanical Students (137 Students and 4 Faculty Members)
Industrial Visit	IV	M/s. Lakshmi Machine Works Ltd, Coimbatore	16.09.2017	Third Year Mechanical Students (137 Students and 4 Faculty Members)
Project Testing	Testing	Omega Material Testing Centre, Chennai	05.02.2018 – 07.02.2018	Final Year Mechanical Students (8 Students)
Inplant Training	IPT	Neyveli Lignite Corporation India Ltd.	03.07.2017-08.07.2017	Final Year Mechanical Students (4 Students)
Inplant Training	IPT	Indian Motor Corporation Pvt.Ltd	15.07.2017-16.07.2017	Third Year Mechanical Students (2 Students)
Inplant Training	IPT	Neyveli Lignite Corporation India Ltd.	01-12-2017 to 14-12-2017	Final Year Mechanical Student (1 Student)
Inplant Training	IPT	Neyveli Lignite Corporation India Ltd.	28-05-2018 to 02-06-2018	Third Year Mechanical Students (4 Students)
Inplant Training	IPT	Neyveli Lignite Corporation India Ltd.	04-06-2018 to 09-06-2018	Third Year Mechanical Students (3 Student)
Inplant Training	IPT	Neyveli Lignite Corporation India Ltd.	11-06-2018 to 18-06-2018	Third Year Mechanical Students (4 Students)
Inplant Training	IPT	Puducherry Power Corporation Ltd	04-06-2018 to 08-06-2018	Final Year Mechanical Students (2 Students)
Inplant	IPT	Lanco Tanjore	21-06-2018	Final Year

Training		Power Company Ltd	to 22-06-2018	Mechanical Students (2 Students)
Inplant Training	IPT	Sothern Railway, Tiruchirappalli	04-06-2018 to 09-06-2018	Final Year Mechanical Students (2 Students)
Inplant Training	IPT	Oil & Natural Gas Corporation Ltd.	26-06-2018 to 30-06-2018	Second Year Mechanical Students (3 Students)
Inplant Training	IPT	Simpson & Co.Ltd	21-06-2018 to 27-06-2018	Second Year Mechanical Students (2 Students)
Inplant Training	IPT	Sri RamaVilas Service Ltd	06-06-2018 to 13-06-2018	Third Year Mechanical Students (2 Students)
Inplant Training	IPT	Tamilnadu State Transport Corporation Ltd, Kumbakonam	23-06-2018 to 28-06-2018	Third Year Mechanical Student (2 Student)
Journal Publication	A Hybrid ABC-SA based optimized scheduling and resource allocation for Cloud Environment,	AVCCE vs VelTech University	September 2017	Mrs.B.Muthulakshmi K.Somasundaram
Journal Publication	Scalable Aspect-Based Summarization in the Hadoop Environment	AVCCE vs NIT,trichy	January 2018	Mrs.K.Krishnakumari E.Sivasankar
Resource Persons	Acted as Judge for the Tech Fair- Artificial Intelligence	Dr.G.S.K. Matriculation Higher Secondary School, Pazhayagudalur.	28/02/2018	Dr.S.Padmapriya
Resource Person	Acted as Jury for National Conference on Modeling, Analysis & Simulation Techniques in Engineering Research (MASTER'18)	Department of EEE, AVCCE	23.03.2018	Dr.S.Padmapriya
Resource Person	Theory of Computation for the 3-days FDP on Theory of Computation	Department of CSE, AVCCE	26/05/2017	Mrs.K.Krishnakumari
Resource Person	Guest Lecture on the topic: 'Compiler Design'	Department of Computer Science, Annai College of Arts & Science	22/08/2017	Mrs.K.Krishnakumari
Resource Person	1 Week Short term Course on 'Advanced Concepts in	Department of CSE, NIT	06/11/2017	Mrs.K.Krishnakumari

	Databases and Data Analytics' – Lecture on the topic of 'Text Mining and Cross Domain Sentiment Analysis'	Tiruchirappalli		
Resource Person	Acted as Judge for the Tech Fair- Artificial Intelligence	Dr.G.S.K. Matriculation Higher Secondary School, Pazhayagudalur.	28/02/2018	Mrs.K.Krishnakumari
Resource Person	Workshop on Emerging Challenges in the Operation and Control of Solar Power Plants – Lecture on the topic 'Big Data Analytics'	Annamalai University	25/03/2018	Mrs.K.Krishnakumari
Resource Person	Mobile Technology and Applications	Elumalaiyan Polytechnic College, Kollumangudi	17.07.2017	H.Prabavathi
Resource Person	Internet and Web Programming	Annai College of Engineering	19/07/17	M.Sivasundara vinayaga moorthy
Resource Person	Cloud Computing and E-resources	A.V.C College	23.07.2017	M.Sivasundara vinayaga moorthy
Resource Person	Python Programming	A.V.C.C.E	18.09.2017	M.Sivasundara vinayaga moorthy
Resource Person	Python Programming	A.V.C.C.E	18.09.2017	R.Ramya
Resource Person	Web Designing	AVC College (Autonomous)	9/08/17	K.Tamilselvan
Resource Person	Introduction to PHP	Anjalai Ammal Mahalingam Engineering College.	16/02/18	K.Tamilselvan
Resource Person	Python Programming	A.V.C.C.E	20.09.2017	.A.Arunpandiyan
Paper Presentation	Faculty Exchange	Anjalai Ammal Mahalingam Engineering College, Kovilvenni.	31st August, 2017	Ishwarya, Vinothini
Paper Presentation	Faculty Exchange	International conference-CIT College of Engineering,Chennai.	06.04.2018 to 07.04.2018	Mohanambigai S, Abinaya S, Bhuvaneshwari T, Dhivya N
Paper Presentation	Faculty Exchange	International Conference- Sri Krishna college of Engineering,Anaikatu,Vellore	06.04.2018 to 07.04.2018	Aishwarya B, Archana R, Jananai L Manjuparkavi S

Paper Presentation	Faculty Exchange	National Conference-St.Joseph College of Engineering, Thanjore	24.03.2018	Nivetha S, Nishma Afreen N, Harsha Vardhini M.V, Priyanka G
National Conference-Arasu Engineering College, Kumbakonam	Faculty Exchange	National Conference-Arasu Engineering College, Kumbakonam	6.04.2018	Divya B, Annapoorani M, Anandhi C
Paper Presentation	Faculty Exchange	National Conference on High performance Computing – Kings College of Engineering, Thanjavur	21.03.2018	Thanga Abirami Poonguzhali S Santhiya.S, Girija Priyadharshini.R

Poonguzhali S |
Paper Presentation	Faculty Exchange	National Conference-Kings College of Engineering, Thanjavur	21.03.2018 ,23.03.2018 and 24.03.2018	Tamilpriya T, Sangavi.B, Subasri A Subasri.R
Paper Presentation		International conference- Sree Krishna college of Engineering, Anaicut, Vellore	24.03.2018	Thanga Abirami Poonguzhali S Santhiya.S, Girija Priyadharshini.R Poonguzhali S
Paper Presentation	Faculty Exchange	International conference- Sree Krishna college of Engineering, Anaicut, Vellore	24.03.2018	Tamilpriya T, Sangavi.B, Subasri A Subasri.R
Paper Presentation	Faculty Exchange	International conference- Sree Krishna college of Engineering,Anaicut, Vellore	24.03.2018	Arun Prasad S Kumaran G Sundar A
Paper Presentation	Faculty Exchange	International conference- Sree Krishna college	24.03.2018	Santhoshkumar T, Mahesh.K, Mohamed

		of Engineering,Anaicut, Vellore		Imran.A, Subbaiya.V
Paper Presentation	Faculty Exchange	International conference- Sree Krishna college of Engineering, Anaicut, Vellore	24.03.2018	Dinesh S, Noorul Irfan F, Premkumar A
Paper Presentation		International conference- Sree Krishna college of Engineering, Anaicut, Vellore	24.03.2018	Sundar.S, Muthukumaran S.R Mohamed Mansoor Alikhan A
Paper Presentation	Faculty Exchange	Anna University, University College of Engineering, Panruti	28/02/2018	R.Abiramipriya
Paper Presentation	Faculty Exchange	Anna University, University College of Engineering, Panruti	28/02/2018	V.Eyamini Kowsalya
Paper Presentation	Faculty Exchange	Anna University, University College of Engineering, Panruti	28/02/2018	V.Meena
Paper Presentation	Faculty Exchange	Karpagam College of Engineering	09/03/2018	V.Meena
Paper Presentation	Faculty Exchange	Anna University, University College of Engineering, Panruti	28/02/2018	K.Ranjitha
Paper Presentation	Faculty Exchange	Anna University, University College of Engineering, Panruti	28/02/2018	P.Sathyalakshmi
Paper Presentation	Faculty Exchange	Karpagam College of Engineering	09/03/2018	A.Sushruta
Industry	Inplant Training	ONGC - Karaikal	5.6.2017 to 15.6.2017	2

Industry	Inplant Training	Hewlett Packard Enterprise - Chennai	9.6.2018 to 20.6.2018	1
Industry	Inplant Training	SPR Construction – Chennai	10.6.2018 to 13.06.2018	1
On-the-job Training	Summer Training	R.S.Krishna & co,46/32 chetti street,Mayavaram	1st June 2018 to 30th June 2018	S. Anushangari.
On-the-job Training	Summer Training	Sri athar Industries ltd,12/45, Thadagam road, coimbathore	1st June 2018 to 30th June 2018	Aravind.A
On-the-job Training	Summer Training	Amutham soda colours,5/76 A,South street Ponsei, kidarankondan PO,609304 ,	1st June 2018 to 30th June 2018	Arulpriya.S
On-the-job Training	Summer Training	M.R. Krishnamurthy Co-operative Sugar Mills [Ltd], Sethiathope - 608 702, Chidambaram.	1st June 2018 to 30th June 2018	Balaji.A
On-the-job Training	Summer Training	AKR Industries,31,A& B new colony, north street, Mannarpuram, Trichy.620020	1st June 2018 to 30th June 2018	Dhivya.R
On-the-job Training	Summer Training	Suja shoei Industries pvt ltd, 5/188, Railway Feeder Road, Mangainallur - 609 404. Mayiladuthurai. 04364 253488	1st June 2018 to 30th June 2018	Eswari.P
On-the-job Training	Summer Training	Whirlpool of India Ltd, Thirubhuvanai Village,pondy,605107,4132640228	1st June 2018 to 30th June 2018	Gajalakshmi.K
On-the-job	Summer Training	Bharat power	1st June 2018	Hanas

		electronics company,86,main street,thuvakudi,trichy,620015,4312500004	to 30th June 2018	Mohamed.A
On-the-job Training	Summer Training	R.S.Bricks Industries,126,main road,Vizhidhiyur,Karaikal-609607,9842468280	1st June 2018 to 30th June 2018	Hariharan.K
On-the-job Training	Summer Training	RSK Aqua Industries,Chinnamariyamman koil street,Nagaipattinam.,9842422944	1st June 2018 to 30th June 2018	Indhumathi.T
On-the-job Training	Summer Training	Winners Health care Industries,Ganesh garden,Mutharasanallur,Trichy-620101,9655944110	1st June 2018 to 30th June 2018	Jeevitha.B
On-the-job Training	Summer Training	Raja steel,11 sub jail road,palakarai,Trichy-620008,8072926592	1st June 2018 to 30th June 2018	Kanimozhi.R
On-the-job Training	Summer Training	Amcor flexibles india pvt ltd,151/4,kandhanpet villaige,pudhuchery-607402,4132611241	1st June 2018 to 30th June 2018	Keerthana.S
On-the-job Training	Summer Training	Aarvam medical system,3A,!st floor,Industial estate,Pudhuchery,8903800484	1st June 2018 to 30th June 2018	Kiruthika.K
On-the-job Training	Summer Training	PP Company,Mandaiyur,Trichy-622515,8072926	1st June 2018 to 30th June 2018	Mohanraj.J

On-the-job Training	Summer Training	TANFAC Industry ltd,Sipcot industrial complex,Cuddalore,4142239001	1st June 2018 to 30th June 2018	Nandhini.B
On-the-job Training	Summer Training	Clariant chemical india ltd,Kudikadu,sipcot po,cuddalore,4142285400	1st June 2018 to 30th June 2018	Nandhini.M
On-the-job Training	Summer Training	Solara Active pharma,Kudikadu,sipcot po,cuddalore,	1st June 2018 to 30th June 2018	Nandhini.R
On-the-job Training	Summer Training	Jayam farm,235,6th street sai baba nagar.palikaranai,	1st June 2018 to 30th June 2018	Nithya.B
On-the-job Training	Summer Training	Vasu Techs,32,south kumarakattalai street,dharmapuram road,mayiladudurai-609001	1st June 2018 to 30th June 2018	Nithyanandhan.V
On-the-job Training	Summer Training	Anamalais Toyota,chennai main road,karuppur,kumbakonam.	1st June 2018 to 30th June 2018	Nivethitha.S
On-the-job Training	Summer Training	G.K dairy,1/12 main road,kurichy,kumbakonam-612505,7373073300	1st June 2018 to 30th June 2018	Niviea.J
On-the-job Training	Summer Training	Supreme steel company,manalwari thurai road,trichy	1st June 2018 to 30th June 2018	Pradeepa.K
On-the-job Training	Summer Training	G.S Metal,n05,vijay garden,tiruchirapalli,9047407871	1st June 2018 to 30th June 2018	Pradeep kumar.R
On-the-job Training	Summer Training	Thirubuvanam TPSHW,5,sanadhi street ,thirubuvanam	1st June 2018 to 30th June 2018	Priyanka.R

On-the-job Training	Summer Training	Ammayar Dairy,171/1,main road,Karraikal,9965499999	1st June 2018 to 30th June 2018	Ragul.R
On-the-job Training	Summer Training	Harihar alloys pvt ltd,Thurayur main road,Trichy,9788672450	1st June 2018 to 30th June 2018	Rangeesh kumar.R
On-the-job Training	Summer Training	Athavan plastics,kalaigar nagar,Papanasam,9443748407	1st June 2018 to 30th June 2018	Reshma.S
On-the-job Training	Summer Training	Suja shoei Industries pvt ltd,kuthalam,0434235305	1st June 2018 to 30th June 2018	Sabeetha.D
On-the-job Training	Summer Training	Oxina motors,new karur bypass road,Trichy,7402718501	1st June 2018 to 30th June 2018	Sasikaran.M
On-the-job Training	Summer Training	Prism Johnson india pvt lmt,thenagudi main road,karaikal,4368294732	1st June 2018 to 30th June 2018	Savithri.S
On-the-job Training	Summer Training	ONGC,Cauvery asset,Karaikal,4212220085	1st June 2018 to 30th June 2018	Sayee sudha.M
On-the-job Training	Summer Training	Sri Jayam Impex,Kongu main road,Thirupur,4352460096	1st June 2018 to 30th June 2018	Selvapriya.T
On-the-job Training	Summer Training	Thirubuvanam CSHW,sanadhi street,Thirubuvanam,4352460068	1st June 2018 to 30th June 2018	Sivapriya.J
On-the-job Training	Summer Training	Schwing stetter,Sipcot industrial park, Kanchepuram,	1st June 2018 to 30th June 2018	Sivaranjani.S
On-the-job Training	Summer Training	Thirubuvanam SHW,sanadhi street,Thirubuvanam,9443986076	1st June 2018 to 30th June 2018	Srividhya.T.S
On-the-job Training	Summer Training	Jothi Pavers,Middle	1st June 2018 to 30th June	Surya.R

		street,kizhaiyur,	2018	
On-the-job Training	Summer Training	ARR seeval pvt ltd,Arr road,kumbakona mArr road, 4352417011	1st June 2018 to 30th June 2018	Uma maheswari.S
On-the-job Training	Summer Training	Trichy metal & Alloys, 96 main road pallaikarai,Trich y,9629124181	1st June 2018 to 30th June 2018	Venkatesh.P
On-the-job Training	Summer Training	Suganj ECO Chemical pvt ltd, guindy industrial estate,Chennai,4 443314168	1st June 2018 to 30th June 2018	Vyshali.R
On-the-job Training	Summer Training	Shapoorji Pallonji and Company Pvt Ltd,70 Nagindas Master Road, Chennai.	1st June 2018 to 30th June 2018	Yogeswari.R
In-Plant Training	Internship	Codebind Technologies,Tri chy	21.11.2017 to 25.11.2017	25
Industrial Visit	Industry visit for knowledge gathering	Evolet Technologies, Banglore	5.12.2017 to 7.12.2017	37
Industrial Visit	Industry visit for knowledge gathering	mPower Global Inc. Pvt Ltd. Bangalore	5.12.2017 to 7.12.2017	37
Industrial Visit	Industry visit for knowledge gathering	LansA Informatics Pvt.Ltd.,Coimbat ore	28.09.2018	51
Industrial Visit	Industry visit for knowledge gathering	Accent Techno Soft Pvt.Ltd, Coimbatore	29.09.2018	51
Internship	Internship	Unipro Private Limited., Chennai	3 Months	2 Students
Inplant Training	Inplant Training	Varsharthi Tech Solution,Thiruka daiyur	5 Days	5 Students
Industrial Visit	Field Trip	KGISL KG Information Systems Private Limited	11.08.2017	Staff and Students
Industrial Visit	Field Trip	Abile Technologies,Co imbatore	12.08.2017	Staff and Students

Industrial Visit	Field Trip	UST Global Private IT Services, Kochi	23-12-2017	Staff and Students
Industrial Visit	Field Trip	Cogniz Info Tech,Ernakulam	23-12-2017	Staff and Students
Journal Publications	Faculty Exchange	Annamalai University	2018	Staff
In Plant Training	Student exchange	Uniq Technologies	04.06.18-06.06.18	Students
In Plant Training	Student exchange	Codebind technologies	20.06.18-25.06.18	Students
Inplant Training	Student exchange	Varsharthi Tech Solution, Thirukkadaiyur	11.06.18 To 15.06.18	Students
Inplant Training	Student exchange	M/s .SRF LIMITED –EPB, Chennai	04.06.18 To 14.06.18	Students
Inplant Training	Student exchange	M/s .Oneyes Technologies, Chennai	06.06.18 To 08.06.18	Students
Inplant Training	Student exchange	M/s .Ethna attribute soft technologies pvt Ltd, Chennai.	21.05.18 To 02.07.18	Students
Inplant Training	Student exchange	M/s .Cherrytec Intelisolve Limited, Chennai	28.05.18 To 14.05.18	Students
Inplant Training	Student exchange	M/s. Onyxon Project Solutions Pvt Ltd, Kumbakkonam	11.06.18 To 13.06.18	Students
Inplant Training	Student exchange	M/s. Onyxon Project Solutions Pvt Ltd, Kumbakkonam	11.06.18 To 13.06.18	Students
	Industrial Visit	Doddabetta tea factory and the tea museum Dodabetta Road, Mel Koddapmund, Ooty, Tamil Nadu 643002 Phone: 9443030 520	02.02.2018	Students – 30 + (3 Staffs)
Industrial Visit	Field Trip	MAS Solar Systems Private Limited 153, Sidco Industrial Estate, Malumichampatty, Coimbatore,	01.02.2018	Students – 30 + (3 Staffs)

		Tamil Nadu 641050 Phone: 0422 2655995		
Industrial Visit	Field Trip	Sri Ragavendra Control System Office: 2/387, Iswariya Garden, Irugur Road, Chinniampalaya m, Coimbatore – 641062 Phone : 98947 78660	02.02.2018	Students – 30 + (3 Staffs)
Industrial Visit	Field Trip	AVG Wire Screen Pvt Ltd 621-A Trichy Road ELGI Industrial Complex, Singanallur, Coimbatore, Tamil Nadu 641005 Phone: 0422 2596196	18.08.2017	Students – 36 + (3 Staffs)
Industrial Visit	Field Trip	Shree Foundary 2/2, Vaigai Street, Chinnavedampat ti, Coimbatore – 641049 Phone: 9894200525	19.08.2017	Students – 36 + (3 Staffs)
Industrial Visit	Field Trip	Doddabetta tea factory and the tea museum Dodabetta Road, Mel Koddapmund, Ooty, Tamil Nadu 643002 Phone: 9443030 520	19.08.2017	Students – 36 + (3 Staffs)
In Plant Training	Student exchange	NLC India Limited NH532, M.K Colony, Neyveli, Tamil Nadu 607802	25.06.2018 to 30.06.2018	Students – 04

		Phone No. 04142-252205.		
In Plant Training	Student exchange	Kuthalam Gas Turbine Power Station Maruthur, Tamil Nadu 609801 04364-237118.	18.06.2018 to 22.06.2018	Students – 03
On-the-job Training	Internship	Madras academy of skill and knowledge 4, Rajaji Rd, West Tambaram, Tambaram, Chennai, Tamil Nadu Phone: 044 22260332600045	08.06.2018 to 22.06.2018	Students – 01
In Plant Training	Student exchange	Bharat Sanchar Nigam Limited (BSNL) CRDA SSA, Kumbakonam 612 001 Phone : 0435-2425000	11.12.2017, 14.12.2017 to 17.12.2017	Students – 01
On-the-job Training	Internship	Wiztech Automation Solutions Pvt Ltd w block, 102, 2nd Ave, Anna Nagar West, Anna Nagar, Chennai, Tamil Nadu 600040 Phone: 044 2620 9369	11.12.2017 to 14.12.2017	Students – 07
In Plant Training	Student exchange	Tamilnadu Generation and Distribution Corporation Ltd, Kuthalam Gas Turbine Power Station Maruthur, Tamil Nadu 609801 04364-237118.	11.12.2017 to 15.12.2017	Students – 07
In Plant	Student exchange	SM technologies	25.11.2017	Students – 01

Training		T 209,Ganesan street,park nagar,Jafferkhan pet, Chennai, Tamil Nadu 600083 Phone: 098419 18693	to 15.12.2017	
Industrial Visit	Field Trip	Mass Solar (P) Ltd	AUG 18	40
Industrial Visit	Field Trip	Vijay Engineering	AUG 18	40
Industrial Visit	Field Trip	Alpha Image (P)Ltd. Bangaluru	AUG 18	60
Industrial Visit	Field Trip	Heritage Centre & Aerospace Museum	AUG 18	60

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 and Activities	Number of students/teachers participated under MoUs
M/s. eStaarMax Technologies Private Limited.	11.01.2018	To conduct Training for the students inside the campus.	189 Students and 5 Teachers
M/s. eStaarMax Technologies Private Limited.	12.01.2018	Training and Job Offers	52 Students
IIT Bombay	09.03.2018	Spoken Tutorial Online Certification Programme for the Students	88 Students and 16 Teachers

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
2,19,50,000	95,96,191

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	30.09 acres	-
Class rooms	57	4
Laboratories	59	-
Seminar Halls	7	1
Classrooms with LCD facilities	35	-
Classrooms with Wi-Fi/ LAN	61	-
Seminar halls with ICT facilities	8	-
Video Centre	-	-
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	20.77	-
Others	-	-

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 partially)	Version	
Autolib	Partially	5.1	

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	49292	11220709	1566	621609	53505	16190256
Reference Books	6682	3092498	97	60681	6779	2049579
e-Books	145	104476	--	--	145	104476
Journals	116	850387	--	237219	116	1087606
e-Journals	556	3206120	--	784081	556	3921966
Digital Database	2	21370	--	21370	2	21370
CD & Video	113/2449	97076	--	--	113	97076
Library automation	1	45000	--	--	1	45000
Weeding (Hard & Soft)	377	65837	--	--	377	65837
Others (specify)						

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	681	525	50 mbps	200 (included in lab computers)	65	10	34	50 mbps	47
Added	-	-	-	-	-	-	-	-	-
Total	681	525	50 mbps	200 (included in lab computers)	65	10	34	50 mbps	47

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

50 MBPS

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
Classle Cloud Campus	https://www.classle.net/edu/avccengg/
Course Material	http://www.avccengg.net/WWW/material/index.php
Video Camera (SD Card Type)	
Tripod	
Green Mat	http://www.avccengg.net/lms/
VGA Cable	
Collar Mic	

4.3.4 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
All Teachers of All UG & PG Programmes	Class notes	Institutional (Learning Management System)	-
		Cloud Campus	-

4.4 Maintenance of Campus Infrastructure

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

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
4,51,76,195	2,11,41,169	1,40,00,000	49,45,380

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 institution has a sprawling campus spread over 30.09 acres with modern buildings, technology enabled class rooms, well-stocked library, seminar halls, drawing halls, well equipped laboratories, Workshops, Staff Rooms, Administrative block etc.

The Institution has sufficient number of well-furnished, well ventilated, spacious 43 classrooms with 35 LCD projector facility and 14 tutorial halls for conducting theory classes with an area more than the required norms. Totally 59 laboratories are well equipped and well maintained for both syllabus oriented practical and research oriented activities. Facilities provided for beyond the syllabus also. The institution has several air-conditioned computer laboratories and a seminar hall with a seating capacity of 300. Six additional seminar halls of 120 seating capacities each equipped with LCD projector and audio systems are also available. Each department has tutorial classrooms to conduct tutorial classes for the problem oriented subjects to improve the performance of slow learners. The Institution has an exclusive language lab equipped with audio, video facility which helps students to develop their communication skills. The institution policy is to provide the entire infrastructure required for the students in terms of library resources, software and 50 mbps Wi-fi facility. The library is equipped with software for issue and return of books, DELNET is made available for both staff and students. For self learning, latest books, journals, magazines, e-journals available in central library. Apart from the central library, each department has a separate departmental library with reference and text books. Totally 681 computers on the campus are connected to internet through LAN. Internet and Intranet facilities are available for free to both students and faculties. This can be used for any academic as well as research work.

Every department conducts seminars, workshops and technical contests in areas concerning their programmes to strengthen the theoretical and practical knowledge of the students. The institution also provides opportunities for developing technical skills, updating knowledge, personality development and service to the society through the professional societies and associations. The Institution provides funds and facilitates to conduct these activities for the benefit of our students. The training and placement cell of the college arranges soft skill and communication skill development courses to the students every year for their career development and also arrange the campus pool drive with the MNCs and well esteemed concern for student's employability.

A well equipped big Medical center is available in the campus with a Doctor on regular visit. College has its own Ambulance. To accommodate the students coming from distant places, the college has one boys and two girls' hostels. Transportation facilities are also provided to students and staff using 20 buses. Indian Bank and Union bank ATM facilities are also available in the campus. Other facilities include clean drinking water

with 3 RO systems, canteen, store, girls and boys rest room, women's rest room, telephone, sports room and Gymnasium are available in campus. Institue ensures 24 x 7 security with 18 security personnel and CCTV cameras.

Facilities for Sports Activities

AVC College of Engineering has been imparting not only the quality education but also providing opportunities to build up a healthy body. The students are coached in both indoor and outdoor games. The Department of Physical Education of A. V. C. College of Engineering is headed by Physical Education Director and is assisted by Marker. The Sports facilities are available on campus to promote students interest in sports activities. Our College has a playground of 2 acres with 400m international standard track with a gallery .The ground has many sports facilities like Basketball, Ball Badminton, Cricket, Football, Handball, Kabaddi, Volleyball and Athletic track. Apart from outdoor games the college has made provision for indoor games such as table tennis, carom, chess and badminton. College has a well-equipped gymnasium with facilities such as machine exercises, free weight exercises and a separate hall for yoga and meditation. Specialized coaches are appointed to train the students participating in various zonal, all India and Inter-university level tournaments. An International Standard multipurpose indoor stadium is under construction.

Our college is conducting intramural games and sports event every academic year. Healthy competitions prevailed among the students to participate in this event. Students from various departments are grouped under four houses and each department has the staff and students coordinator to assist and organize the various competitions. Inter house tournaments are conducted in the following sports and games. Volleyball (Men &Women), Cricket (Men), Basketball (Men &Women), Table Tennis (Men &Women), Chess (Men &Women), Badminton (Men &Women), Ball Badminton (Men &Women) and Athletics (Men &Women). In the annual sports day function, the price winners were honored with medals and cups.

Library is automated using Integrated Library Management System (ILMS) Response

An Integrated Library Management System (ILMS) is an automated package of library services that contains several functions, which is used in our Library. These functions usually include circulation, acquisition and cataloguing etc. Library functions such as Acquisition, Cataloging, Circulation, Serials control are automated using the software "AUTOLIB"5.1. This software is fully integrated with multi user facility .Computers in the library are connected through the LAN for information access as well as Library management. Online Public Access Catalogue (OPAC) allows students to browse a book by author, title or subject wise. Barcode based circulation of books is practised. All Students and Faculty can access all electronic journals and e-books from any system in the campus. For public access in Library our Library has 20 systems and two printers with reprographic and scanning facility. The College is having membership of IEEE, ASME, DELNET, Ndigital, DELNET – ProQuest, NHRDN. Our Library is secured with Fire & Smoke Detectors and CCTV surveillance. Pest control treatment is also given quarterly once every year.

LAN facility

LAN speed is upgraded from 100 MBPS to 1 GBPS

Wi-fi facility

Wi- Fi Upgrade from 16 MBPS to 50 MBPS on 09.04.2012. BSNL Net Upgrade from 16 MBPS to 50 MBPS on 01.03.2016. Original License is purchased on Auto Cad 2017.

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	-	-	-
Financial support from other sources			
a) National	BC/MBC Scholarship	818	40,60,195
	SC/ST Scholarship	207	1,09,31,000
	TA / DA for students attend zonal / inter-zonal Anna University & National level sports tournament.	82	40,262
b) International	Mr.Iqbal Abdul Aleem COE UniPro Technologies	4	40,000

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 implementation	Number of students enrolled	Agencies involved
Soft skill development	21.01.2018-27.01.2018	60	Ripe Academy
Aptitude Training	21.01.2018-27.01.2018	200	Face Academy
Career counselling	10.02.1018	64	Ripe Academy
Bridge course		390	All Faculty Members
Yoga	21.06.2017	150	Manavalaikalai Yoga
Meditation	26.03.2018	72	Art of Living ,Mayiladuthurai
Personal Counselling and Mentoring	Thrice in a semester	162	All Faculty Members
Language lab	III year VI Semester	60	Faculty from English Department, AVCCE
Remedial Coaching	1.10.2018	45	All Faculty Members
Guidance for competitive examinations	2017-2018	GATE-6 TANCET-6 TOTAL-12	A. V. C. College of Engineering, Mayiladuthurai, Mannampandal-609305
Career Counseling & Personal Counseling	2017-2018	47	A. V. C. College of Engineering, Mayiladuthurai, Mannampandal-609305

			Mrs.V.Padmavathi, Dept. of IT, AVCCE.
			Mrs.K.Nirmala, Proprietor, Winsoft, Chidambaram.
			Mr.J.Bhagidharan, Manager QA, ZOHO Technologies, Chennai.
			Dr.D.Ramalingam, MCA., Ph.D., Assistant Professor, Faculty of Information Technology, Majan University College, Muscat, Sultanate of Oman.
			Ms.Devisrinandhini, Assistant Professor, AVCCE.
Soft skill development	2017-2018	IV- 47 III- 56 II-39	Mrs.R.Kanimozhi, Assistant Professor/IT, AVCCE.
			Mr.S.Kavithanbabu, Senior Developer, CTS. Chennai.
			Mr.B.Aravind, Engineer Trainee, IVTL Infoview Technology Pvt Ltd, Chennai
			Ms.V.Ezilarasi, AP/IT Ms.S.Sindhuja,AP/IT Ms.D.Mahalakshmi, AP/IT Ms.V.Padmavathi, AP/IT Mrs.R.Kanimozhi, AP/IT
			Mr.S.Sabarinath Senior System Administrator – Cloud, News Technologies Services, Bangalore.
			Mr.K.Gokulkumar Head, Pantech Solution, Chennai.
Soft skill development	21.08.2017 to 28.8.2017	24 Students	Face Academy Training Program
Soft skill development	13.09.2017 to	47 Students	RIPE Academy Training

	22.09.2017		Program
Soft skill development	05.02.2018 to 09.02.2018	25 Students	IRA Academy of Brilliance
Remedial coaching	In All Semesters	50 Students	Department Faculties
Language lab	In All Semesters	25 Students	English Department Faculty
Personal Counselling and Mentoring	In All Semesters	104 Students	Department Faculties
Personal counselling	In All Semesters	All CSE Students	Faculty members of CSE
Remedial coaching	In All Semesters	Below average CSE Students	Faculty members of CSE
Language lab	Anna University curriculum has a prescribed laboratory syllabus for soft skill – "GE6674 Communication and Soft skills – Laboratory based"		
Soft skill development,	26.09.2018-28.09.2018	41	Jaadu Ginni Ka-Financial Literacy Programme-T.Satish,Learning Link Foundation Directed by AICTE
	12.09.2018	37	Employability skills and personality Development Programme-Mr.Pradeep kumar,CEO, Pansel Techonologies,Virudunager
	7.8.2018-13.8.2018	41	Aptitude Trainning Programme-Lambtranscend Chennai
	21.09.2017-28.09.2017	41	Placement link training Programme-RIPE Training Institute, Chennai.
	26.07.2017-27.07.2017	68	Student skill Development Programme Mr.P.Sathya seeralan Brahma corporate Training Academy, Trichy.
Remedial coaching,	2015-16	16	Respective Faculty members of DOMS
Language lab	From 2012	68	Faculty members of DOMS
Yoga,	2012	68	Through the Faculty Members of Yoga Club –AVCCE
Meditation,	From 2016	68	S.Umamaheswari-Psychologist –Mahilchi
Personal Counselling and Mentoring	From 2012	68	Through the Class Advisers
Workshop – Web Hosting	07.07.2017	47	AVCCE
Awareness Programme–GST	14.07.2017	100	AVCCE
Alumni Guest Lecture Programme - Career	22.07.2017 (FN)	56	AVCCE

Guidance			
Application Server Implementation in Cloud Computing	26.07.2017	100	AVCCE
R- Tool Introduction	03.08.2017	56	AVCCE
Web Development using PHP & MySQL	07.08.2017	56	AVCCE
Java Aptitude	09.09.2017	56	AVCCE
Two days Hands-on Workshop - AWS Cloud	22.09.2017 & 23.09.2017	80	AVCCE
Seminar - Self-Realism	9.10.2017	56	AVCCE
Soft Skill Development	2017-2018	140	AVCCE
Remedial Coaching	2017-2018	47	AVCCE
Language Lab	2017-2018	47	AVCCE
Four days Trainning Programme -Python Programming		100	AVCCE

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 by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2017-2018	GATE / TANCET coaching	212		6	-
2017-2018	Career Counselling		267	-	143

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	No. of grievances redressed	Average number of days for grievance redressal
45	45	9

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
Surya Informatics Technology	168	10	GK Industries	4	3

Dural Trims and Profiles Pvt Ltd	13	12	GRT	11	7
Unipro Software Solutions	12	5	Decan I Services	2	1
Adithya Birla Retail	25	21	Full Creative	30	1
Bharathi Airtel	17	8	Surabee Electronica Ltd	8	1
Geetham Software Solution	107	-	Amco Batteries Ltd	10	8
Ihorse Texhnology	50	-	Federal – Mogul Motor Parts	7	7
MBTA Education Ltd	246	128	-	-	-
Cetas Software Solution	74	-	-	-	-
Sai Technology Pvt Ltd	65	3	-	-	-
Cranes Software Solutions	157	3	-	-	-
Face Academy	56	3	-	-	-
Onyxon Project Solutions Pvt Ltd	105	54	-	-	-
Cholan Paper and Board Mills	44	11	-	-	-
GSH Group India Pvt Ltd	90	26	-	-	-
Fast Lab Knowledge Transfer Solution	50	28	-	-	-
City Union Bank	25	5	-	-	-
Metaplore Solutions	48	2	-	-	-
Totasl		**319**	-	-	**28**

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2017-2018	6	ECE	ECE	1.PSG College of Engineering, Coimbatore 2.Ethiraj College	M.E(VLSI DESIGN) MBA

			Chennai	
			3.SASTRA University Thanjavur	M.Tech
			4.EGS Pillay Engineering College, Nagapattinam	MBA
			5.A.V.C College of Engineering	MBA
			6. A.V.C College of Engineering	M.E(A.E)
4	EEE	EEE	ANNAMALAI UNIVERSITY	POWER SYSTEMS
02	B.Tech Information Technonolgy	B.Tech Information Technonolgy	1. A. V. C. College of Engineering	M. E Computer Science and Engineering
1	Instrumentation and Control engineering	Instrumentation and Control engineering	A.V.C. College of Engineering	MBA
3	B.E	CSE	A.V.C.College of Engineering	M.E

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	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET		
SET		
SLET		
GATE	1	EC 18S57135062
GMAT		
CAT		
GRE		
TOFEL		

Civil Services		
State Government Services	1	
Any Other		

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

Activity	Level	Participants
Chess(Men)	University zone	54
Chess(Women)	University zone	36
Annual Sports Meet	College Level	300

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/ International	Sports	Cultural	Student ID number	Name of the student
2017-2018	Bronze	National	Chess	-	820315205009	Gayathri kamatchi
2017-2018	All India Inter University Tournament Participation	National	Archery	-	820314105311	M. Vijayakumar

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

As per the regulation of Anna University, every class has a class committee (like a Quality Circle) consisting of teachers of the class concerned, student representatives and a chair person who is not teaching faculty of the class. At least 4 students representative (usually 2 boys and 2 girls, among from 2, one hosteller and one day scholar) have been elected for this class committee. A minimum of three or four class committee meetings have been conducted in a semester at regular intervals. During these meeting the student members representing the entire class have expressed the opinions and suggestions of the other students of the class in order to improve the effectiveness of the Teaching Learning Process.

The college has various academic and administrative bodies that have student representation in these. This representation helps them for their overall development. These bodies create more avenues for students to develop technical skills, updating knowledge on the state of art subjects, personality development and service to society through the following bodies. There are staff advisors to guide the students for the smooth and efficient conduct of these activities.

The following Technical Associations/Chapters are functioning in our college to cater to the development of students' technical skills. These associations /chapter are guided by faculty advisors and students are willingly joining as members. The student representatives are managing the various activities of these in different capacities which expose them to various leadership roles.

1. Computer Society of India (CSI)
2. Indian Institute of Production Engineers (IIPE)
3. Energy and Fuel users Association of India (ENFUSE)
4. Institution of Electronics and Telecommunication Engineering (IETE)
5. Institution of Engineers India (IEI)
6. Indian Society of Technical Education (ISTE – Student Chapter)

The following venues are available for the students to enhance their Extra Curricular Activities and expose them to Extension activities in the neighbourhood community and sensitising students to social issues and leads to their holistic development. The students are taking leadership roles in arranging all the programmes under these forums.
1. National Service Scheme (NSS)
2. Youth Red Cross (YRC)
3. Red Ribbon Club (RRC)
4. Rotract Club (RC)
5. Fine Arts Club(FAC)
6. National Sport Organization (NSO) -Sports Committee
7. Yoga Club(YC)
8. Eco Club

To ensure quality assurance in various processes of the institution, the following Quality Monitoring Bodies/Cells are functioning in the college. All these cells are having student representatives. The students' views and their requirements are given due importance to ensure quality in delivery of all the processes.

1. Internal Quality Assurance Cell (IQAC)
2. Industry Institute Partnership Cell (IIP Cell)
3. Academic Development Cell (ADC)
4. Intellectual Property Rights Cell (IPR)
5. Research and Development Cell (R&D)
6. Training and Placement Cell (T&P)
7. Quality Improvement Cell (QIC)
8. Anti Ragging Committee (ARC)
9. Grievances and Redressal Cell (G&R)
10. Women Development Cell (WDC)
11. Entrepreneurship Development Cell (EDC)
12. Class Committee (CC)
13. Library Committee (LC)
14. Department News Letter Committee (NLC)
15. Alumni Association (AA)
16. Hostel Committees
17. Discipline Committee
18. SC/ST Cell
19. Women Harassment Cell

5.3 Alumni Engagement
5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):
No
5.3.2 No. of ~~registered~~ enrolled Alumni: 8173
5.3.3 Alumni contribution during the year (in Rupees) : Rs. 15,000
5.3.4 Meetings/activities organized by Alumni Association :
- Each department maintains group email-ids for the passed out batches, there by industry openings and technical expectations are immediately circulated by alumni.   - Alumni's are regularly visiting the campus and offer technical talk and orientation programmes to the students on the basis of the industrial needs.   - The Institution is now in the process of promoting the Alumni Association under society registration act.   - College Alumni awards namely best Alumni award and best Entrepreneur Alumni award were constituted in this academic year which will be given every year for each department separately. These above awards were awarded to the alumni of each department in the alumni day function conducted on 23.12.2017.

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)

Effective leadership by setting values and participative decision- making process is the key not only to achieve the vision, mission and goals of the institution but also in building the organizational culture. The formal and informal arrangements in the institution to co-ordinate the academic and administrative planning and implementation reflects the institutions efforts in achieving its vision.

The Principal is the Chief Executive and administrative head responsible for providing direction, leadership and for the day to day functioning of the Institute and the Director, Vice Principal and Deans are the functional head responsible for the conduct of academic programs and processes within the broad framework of its Mission, Vision, strategic objectives and goals and the guidelines issued by the Governing Board from time to time. Within this overall framework, faculty members have the professional operational autonomy in conducting their teaching, research, training and consultancy apart from introducing new courses of relevance.

The functional heads of various areas and activities do similarly operate independently in their respective domains within the framework of clearly defined expectations reflected in the Institutional objectives. The Principal thus delegates his administrative authority Director, Vice Principal and Deans for the effective discharge of multifarious activities and the Dean delegates the academic functional authority to the head of department and other faculty members. This results in delegation of functional and administrative authority percolating down to the faculty members creating professional autonomy through this enmeshed structure.

The department heads have both academic and functional autonomy. HoDs and Principal are given imprest amount by the management so that they can use it for any expenditure in their department/institute and is replenished once a month. As far as academic aspects are concerned, the HoDs are permitted to take routine decisions in accordance with the situations in exigencies and get it ratified by the Principal later. Also to impart the decentralization in all spheres of places the college has identified the second rung of leadership, and these leaders are given opportunities by the management to develop their skills and competencies in leadership and groom their team. These leaders as a cohort attend leadership conclave of the parent body and undergo training and are exposed to talks by motivational leaders as well as interact with other leaders of the organization.

Regarding Participative management, Major decisions like AICTE, NBA, NIRF, ISO related tasks are usually taken after brainstorming and by consensus.

Once a decision is taken, the implementation is done by a succession of officers/ faculty. Transparency in academic administration is achieved through well-defined roles and objectives, professional practices and processes communicated to all faculty members and students respectively. All academic programs and processes including the respective roles of faculty members and Deans are guided by the provisions of Academic Manual, Faculty guidelines and circulars issued from time to time. Modifications to the academic policies, programs and processes as deemed necessary, are carried out after due deliberations and debate at the faculty body meetings.

6.1.2 Does the institution have a Management Information System (MIS)?
Yes/No/Partial:

The Institution is having computerized management information system for performing the following activities:

- A bio-metric authentication entry system for staff and students.
- Billing software and Accounting software packages as part of office automations
- Automation of Students feedback system for the in-house usage.
- Online Public Catalogue services for the provision of automated book search, issue, return and other value added services.
- College Transport information management software is developed for transport process.
- Student attendance monitoring software is implemented in all the departments to monitor student's class attendance

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):

Curriculum Development

Since the Institution is an affiliated under Anna University, the curriculum and syllabi of the affiliated University have been adapted.

- In addition to the syllabus prescribed in Anna University regulations, faculty members are regularly offer lectures in content beyond the syllabus towards imparting core and technical concepts relevant to their course.
- As part of curriculum development, students are encouraged to perform mini projects and working models. In-house exhibitions are arranged in order to provide a platform for students to exhibit their technical knowledge.
- "Learning through Practice" is being insisted and implemented with the aid of hands-on workshops.
- Students are encouraged to utilize the open source software framework with their respective domain for solving their curricular exercises.
- Permitting the students for In Plant training and Industrial Visit to acquire knowledge about the industry environment.
- Providing Value added courses.
- Hands on Training programmes to shape the students in current technologies.
- Encourage the students to participate in Mini Project Exhibition.
- To ensure more employment opportunities
- To develop skill based courses and placement programs.
- To create self employment opportunities
- Since the Institution is an affiliated under Anna University, the curriculum and syllabi of the affiliated University have been adapted.
- In addition to the syllabus prescribed in Anna University regulations, faculty members are regularly offer lectures in content beyond the syllabus towards imparting core and technical concepts relevant to their course.
- As part of curriculum development, students are encouraged to perform mini projects and working models. In-house exhibitions are arranged in order to provide a platform for students to exhibit their technical knowledge
- Students are encouraged to utilize the open source software framework with their respective domain

for solving their curricular exercises

Teaching and Learning

- Course plans are prepared for every semester by the faculty member of concern and verified by the head of the department at different stages in accordance with syllabus and scheme of examination given by University. Besides, the well standard course material prepared by the faculty members also strengthens teaching- learning process.
- The teaching and learning process is also reviewed by the head of the department and the feedback is communicated to the faculty members of concerned.
- The Class Committee is constituted for each semester as per the norms of affiliated University. It comprises a Chairman (who doesn't handle any course to the class), faculty advisors and 4 to 5 students nominees. Regular class committee meeting has been conducted to record the grievance about teaching earning process.
- Faculty members have been encouraged to attend Faculty Development Programmes, seminars and workshops for gaining strong knowledge in their field.
- Problem-oriented assignments and case studies have been offered to students as part of teaching-learning process.
- Usage of latest teaching aids which includes LCD projectors and E-Learning resources helps the students to attain the concepts clearly.
- Providing question bank which contains important questions, solved University question papers, answer keys are also offered to the students.
- Organizing communication skills development programme for students to promote communication skills.
- Course materials are prepared by the faculty members for their subjects and are uploaded in the classle cloud environment.
- Certificate courses, workshops, seminars on thirst areas by industry experts are regularly organized.
- NPTEL materials, which contains video lectures given by eminent professors are provided for student access in the Laboratory itself.
- Bridge courses are offered to the first year students and lateral students to understand the basics of engineering subjects.
- awareness coaching programmes are offered to the students to appear for competitive exams.
- Maximizing the learning experience through online web seminar sessions like NPTEL,NI Instruments ,etc.,
- Practice of 5 minutes speech every hour to improve the communication skills.
- Interactive modules like videos and presentations.
- Awareness and training Programmes for Competitive Exams.
- Personality development programme and soft skill programs for third year and final year students.
- Providing Internet/Wi- fi access for all the students.
- Department Library Access & Digital Library facilities for all the students.
- To conduct bridge course for second year students.
- To conduct coaching classes for slow learners
- Course plans are prepared for every semester by the faculty member of concern and verified by the head of the department at different stages in accordance with syllabus and scheme of examination given by University. Besides, the well standard course material prepared by the faculty members also strengthens teaching- learning process.

- The teaching and learning process is also reviewed by the head of the department and the feedback is communicated to the faculty members of concerned.
- The Class Committee is constituted for each semester as per the norms of affiliated University. It comprises a Chairman (who doesn't handle any course to the class), faculty advisors and 4 to 5 students nominees. Regular class committee meeting has been conducted to record the grievance about teaching-learning process.
- Faculty members have been encouraged to attend Faculty Development Programmes, seminars and workshops for gaining strong knowledge in their field.
- Usage of latest teaching aids which includes LCD projectors and E-Learning resources helps the students to attain the concepts clearly.
- Providing question bank which contains important questions, solved University question papers, answer keys are also offered to the students.
- Course materials are prepared by the faculty members for their subjects and are uploaded in the cloud environment.
- Certificate courses, workshops, seminars on thirst areas by industry experts are regularly organized.

Examination and Evaluation
- Every semester two cyclic assessment tests along with one model examination is conducted.
- Evaluations are made within three days time from the date of exam, the progress of the students is reported to their parents through Short Message Service.
- The Internal Assessment marks obtained by the students are uploaded in the Anna University web portal and the same can be accessed by the students.
- The question papers for Internal Assessment test are prepared as per the guidelines of Bloom's Taxonomy.
- In CIA and Model examination, two set of question papers are prepared by faculty members and out of which one will be issued to the students for the betterment of students' evaluation. Other set of question paper is used for students seeking retest for the CIA and model exams undergoing proper approval process. • Special attention to the slow learners by offering intensive coaching through remedial classes.
- Daily class test are conducted during the first hour of the day. Besides two CIA tests and one model examination have been conducted for improving students learning attitude.
- 8 grams Gold coin for University Rank holders offered by the management.
- Pay back of Tuition fee for University Ist Rank Holders.
- Faculty members have been honoured for 100% result achievement in University results.
- Every semester daily test and two cyclic assessment tests along with one model examination is conducted.
- Evaluations are made immediately within a week from the commencement of exam and the progress of the students are reported to their parents through Business SMS.
- The student's attendance is maintained separately by the faculty members and the department.
- Based on the students score in the CIA tests ,Class test, Model Exam and attendance the internal assessment marks are calculated for each student.
- The marks are uploaded in the Anna University Webportal by three phases.
- The internal marks are published by the Anna University after the third phase entry.

- To conduct the CIA tests and University Examinations.

- Every semester two cyclic assessment tests along with one model examination is conducted.
- The Internal Assessment marks obtained by the students are uploaded in the Anna University web portal and the same can be accessed by the students.
- The question papers for Internal Assessment test are prepared as per the guidelines of Bloom's Taxonomy.
- In CIA and Model examination, two set of question papers are prepared by faculty members and out of which one will be issued to the students for the betterment of students' evaluation. Other set of question paper is used for students seeking retest for the CIA and model exams undergoing proper approval process.
- Special attention to the slow learners by offering intensive coaching through remedial classes.
- Daily class test are conducted during the first hour of the day. Besides two CIA tests and one model examination have been conducted for improving students learning attitude

Research and Development
- Students are encouraged to opt final year projects with research focus and guides are also allotted based on their specialization.
- Publication of project work as conferences paper is mandatory for the PG students.
- Faculty members are encouraged to apply for research funding from various funding agencies like AICTE, DST, MNRE regularly etc.,
- The faculty members pursuing their Ph.D programme are instructed to setup their experimental work in the Institution itself to promote research attitude among students.
- The management of the Institution is also offering Rs.1,00,000 for the faculty members research projects under AVCCE-RPS scheme.
- Seminars and workshops have been regularly organized to provide expert lectures.
- Faculty members are motivated to publish their research papers in reputed journals(SCI journals) and a cash incentive is also offered by the management.
- Fifteen days of on-duty leave is offered per semester to the faculty members for pursuing their research activities.
- Separate funds have been allotted in the budget every year for the purpose of procuring research equipments.
- Motivating the students and faculty members to present papers in various National and International Conferences.
- Motivating the students and faculty members to publish papers in various National and International Journals.
- Promote the staff members to attend various Workshop, Seminars and FDP.
- Two staff members have registered for Ph.D in this academic year and the Staff members pursuing Ph.D are advised to complete their research work as early as possible.
- Project Exhibition by the name Science Fest is conducted every year.
- To ensure the faculty to submit the RPS proposals and various funding agencies
- Faculty members are encouraged to apply for research funding from various funding agencies like AICTE, DST, MNRE regularly etc
- The management of the Institution is also offering Rs.1,00,000 for the faculty members research projects under AVCCE-RPS scheme.
- Seminars and workshops have been regularly organized to provide expert lectures.
- Faculty members are motivated to publish their research papers in reputed journals(SCI journals) and

a cash incentive is also offered by the management.
• Separate funds have been allotted in the budget every year for the purpose of procuring research equipments.

Library, ICT and Physical Infrastructure / Instrumentation

- Library has been digitalized.
- RFID cum Bar-coded Identity card to all the users.
- Library proficiency prize to the students towards empowering reading habit.
- Issue of Educational CD/DVD's to the needy people.
- Provision of NPTEL materials for the library user.
- Reference Book Issue on overnight basis.
- Group discussion hall with air-conditioned facility.
- Book Bank scheme for SC/ST students.
- Student feedback evaluation scheme for better service.
- OPAC (Book Search) service with ample user interfaces.
- ILL (Delnet) Service.
- E-Journals access like IEEE,ASME, Delnet- IESTC Journals, Delnet-ProQuestManagement Journals.
- CCTV Camera Surveillance.
- Library Secured with Fire & Smoke Detectors.
- Pest control protection with in the reading Premises
- 16 Mbps Broadband Connection with Wi-Fi Campus.
- Internet access is available in 20 Systems.
- All the Laboratories(Microprocessor Laboratory,VLSI Laboratory,Embedded Laboratory,Microwave Laboratory,Optical Laboratory,Digital Signal Processing Laboratory,Electronics Laboratory,Digital Laboratory,Digital Comminication Laboratory) are well equipped .
- The department is equipped with 70 Computer terminals with high configuiration.
- Wi-Fi Enabled campus
- To access online journals at the library

Human Resource Management

- Timely recruitment of teaching and non-teaching staff by the management in approved / leave vacancies to ensure smooth functioning of the Institution.
- The performance of the faculty is assessed yearly through self-appraisal reports and appropriate recommendations are made by the Head of the Department.
- Performance of Non-teaching staff members is assessed yearly through performance appraisal system.
- Grievance and redressal cell is in active functioning, there by grievances posted by faculty, staff and student are being immediately solved and appropriate solutions are offered.
- Encompassing moral and spiritual values among the students through ethics classes, yoga & meditation classes, foundation courses and inter-faith dialogue.
- Guest Lectures are arranged in recent technologies by best academicians and industrialists from reputed institutions and industries.
- Faculty development programmes are conducted for upgrading the knowledge of our faculty members
- Faculty members and students are encouraged to attend workshops conducted by various institutions.
- Hands on Training programmes to shape the students in current technologies.

- Providing Value added courses.
- To improve the student's soft skills and aptitude skills special training programmes are provided.
- Students are employed in various reputed industries and MNC's through   On -campus and Off –campus.
- To ensure the students to go to internships for their final year projects.
- To organize the skill based programs with the industry experts.
- Timely recruitment of teaching and non-teaching staff by the management in approved / leave vacancies to ensure smooth functioning of the Institution.
- The performance of the faculty is assessed yearly through self-appraisal reports and appropriate recommendations are made by the Head of the Department.
- Performance of Non-teaching staff members is assessed yearly through performance appraisal system
- Encompassing moral and spiritual values among the students through ethics classes, yoga & meditation classes.

Industry Interaction / Collaboration

- Since the Institution is an academic partner of ICT Academy of Tamilnadu (ICTACT), it establishes a strong Industry relationship. The faculty members and students are encouraged to attend seminars, workshops and coaching for competitive examinations.
- Through this forum, various job fairs and HR summits are conducted for the benefit of Institutional partners.
- Besides of existing MOU with BSNL, the department of Electronics and Communication Engineering has signed MOU with industry named ALPHA IMAGER PVT LIMITED, Bangalore.
- Through Industry Institute Partnership Cell (IIPC), Industrial visits, In-plant training and Industrial projects were arranged to students of all the departments.
- Students are also encouraged to undergo internship programmes in leading Industries to gain the Industry exposure.
- HR/ Managerial professionals from industries were invited to interaction with final year students.
- MOU with eStar Max .
- MOU signed with ALPHA IMAGER PVT LIMITED , Bangalore, AK TRONICS, Trichy, INTERLOGICX, Puducherry, VI MICROSYSTEMS PRIVATE LIMITED, Chennai, M/S. VIKASHA ELECTRONICS (Madras) PRIVATE LIMITED, Chennai and BSNL, Mayiladuthurai.
- Students are sent to various industries like AIR, Karaikal, BSNL, Mayiladuthurai, NLC, Neyveli, for In Plant Training during every Academic Year.
- Various Guest Lecture and Training Programes are conducted by the Industry Experts every year.

Admission of Students
B.E. / B.TECH

- 65% of the seats by Government Quota (GQ) admission through Tamilnadu Engineering admission (TNEA) by the State Government of Tamilnadu.
- 35% of the seats - Management Quota (MQ) filled through Consortium of Self-Financing Professional, Arts and Science Colleges of Tamilnadu.

M.E

- Minimum 35% of the seats filled under Government Quota (GQ) admission through Tamilnadu Engineering Common Admission (TANCA) Test by the State Government of Tamilnadu.
- 65% of the seats - Management Quota (MQ) filled through Common Entrance Test conducted by Consortium of Self-Financing Professional, Arts and Science Colleges of Tamilnadu.

- The sanctioned intake for the academic year 2017-2018 is 60 and 53 seats are filled.

MCA & MBA
- 50% of the seats by Government Quota (GQ) admission through Tamilnadu MBA/MCA Common Entrance Test (TANCET) by the State Government of Tamilnadu.
- 50% of the seats - Management Quota (MQ) filled through Common Entrance Test, conducted by Consortium of Self-Financing Professional, Arts and Science Colleges of Tamilnadu.

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

❖ **Planning and Development**

❖ **Administration**
  - Billing software and Accounting software packages as part of office automations

❖ **Finance and Accounts**
  - Billing software and Accounting software packages as part of office automations

❖ **Student Admission and Support**
  - Dote – Oracle Developer form
  - Anna University – National Information Centre, Chennai
  - AICTE Web portal
  - Automation of Students feedback system for the in-house usage.
  - Online Public Catalogue services for the provision of automated book search, issue, return and other value added services.
  - College Transport information management software is developed for transport process.

❖ **Examination**
  - The University examinations (Theory and practical) of 3 hours duration shall ordinarily be conducted during November and December months (odd semester) and also during April and May (even semester)
  - Each course, both theory and practical (including project work & viva voce Examinations) shall be evaluated for a maximum of 100 marks.
  - For all theory and practical courses including project work, the continuous internal assessment are carried out for 20 marks while the End-Semester University examinations marks of 100 marks has been converted to 80 marks. The credit based system is followed and students CGPA are computed for awarding grades.
  - The University examination for project work shall consist of evaluation of the final report submitted by the student or students of the project group (of not exceeding of 4 students) by an external examiner and an internal examiner, followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner, the supervisor of the project and an internal examiner. Evaluation:
  - A candidate can apply for revaluation / photocopy of his/her semester examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examination. A candidate can apply for revaluation of answer scripts for not exceeding 5 subjects at a time.
  - Candidates who are not satisfied with revaluation can apply for review of his/her examination answer paper in a theory course within the prescribed date on payment of a prescribed fee through proper application to Controller of Examination. Candidates applying for Photocopy-cum-Revaluation only are eligible to apply for review.

o The subject experts availed in the Institution shall assist the student's in the review process. On the basis of the expert recommendations, the candidate can able to go for "challenge round" by paying Rs.3000 per paper.

o Student attendance monitoring software is implemented in all the departments to monitor student's class attendance

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
18.05.2017 to 20.05.2017	M. Latha	Hands on Training in Applications of Power Electronics & Control Systems NIT – Puduchery	-	2000
21.07.2017	Dr.S.Padmapriya	Salesforce Academic Meet	ICT	860
21.07.2017	Dr.G.Sridevi	Sales Management	ICT	860
23.07.2017	M.Devisrinandhini	Machine Learning Programming SriRamakrishna College - Trichy	-	1000
24.07.2017 & 25.07.2017	Dr.T.Anand	Workshop – Bangalore	-	1500
16.08.2017	M.Latha	National workshop on Intelligent System Engineering NIT - Trichy	-	1000
24.08.2017	S.Sivakumar	Workshop	-	600
13.09.2017	Sivasundara Vinayaga Moorthy	Programme on Industry Institute Interaction ICT – Chennai	-	2200
13.09.2017	R.Saravanan	FDP – Sivakasi	-	900
15.09.2017	Renukadevi	Workshop on Share Trading	-	400
5.10.2017	V.Padmavathi	Workshop on R-Programming Annamalai University	-	800
27.11.2017 to 01.12.2017	V.Sathya	STTP – Professional Ethics & Values NITT - Chennai	-	1750
27.11.2017 to 03.12.2017	Sivasundara Vinayaga Moorthy	FDTP – Distributed Systems Tirunelveli	-	1000
08.12.2017	M.Devisrinandhini	Workshop – Chennai	-	800
11.12.2017	K.Rajaraman	Research Intension Conference	-	1000
11.12.2017	Dr.R.Irene Hepziaph	Research Intension Conference	-	1000

Date	Name	Title		Amount
18.12.2017 to 20.12.2017	A.Hajamoideen	STTP – Advances in Welding & Material Processing	-	2500
18.12.2017 to 20.12.2017	Dr.P.Balasubramanian	STTP – Advances in Welding & Material Processing	-	2500
23.12.2017	M.Joicemalini	National Workshop on TheoryR	-	1000
10.01.2018	S.Uma	Research Intension Conference	-	1000
18.01.2018	A.Hajamoideen	Conference – Trichy	-	3000
24.01.2018	Dr.K.Krishnamoorthy	FDP – Technology in English Teaching	-	1000
26.04.2018	M.Karthikeyan	FDP – Saveetha Engg College Chennai	-	800
26.04.2018	A.Thiyagarajan	Product design Engineer ICT Academy,KCET, Madurai	ICT	1000
26.04.2018	P.Yegnanarayanan	Product design Engineer ICT Academy,KCET, Madurai	ICT	1000
26.04.2018	S.K.Ayyappan	Auto-Desk Fusion 360	ICT	980
26.04.2018	P.Balasubramanian	Seminar on IQAC – VIT Chennai	-	1800
14.06.2018	V.Padmavathi	Research Methodology, Scientific Writing & Critical Analysis of Scientific Publications Annamalai	-	400
21.06.2018	K.Aruna	FDP - Machine Learning Mining, Python Sri Ramakrishna – Coimbatore	-	1200
18.07.2018 to 20.07.2018	J. Swaminathan	National seminar on Advances in Material Science & Engineering Societal Application – 2018	-	750
28.07.2018	Muthulakshmi	Technology of Communicative English	-	1000
2017-2018	Dr. S. Padmapriya J. Sudha K. Krishnakumari	Workshop	CSI	6870
2017-2018	Mrs.V.Padmavathi Ms.J.Santhiya	Workshop on R Programming	-	500
2017-2018	Mrs.K.Aruna	Machine Learning Using Python	-	750

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
	6.3.2 Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year				
2017-18	FDP on Big Data Analytics(ICT ACT)	-	29/11/2017 - 30/11/2017	04	-
2017-18	FDTP on IoT-Application Development using Raspberry Pi	-	16/11/2017 – 18/11/2017	03	-
2017-18	Faculty development Training Programme	IoT Application Development using Raspberry Pi	16.11.2017 To 18.11.2017	50	-
2017-18	Awareness Programme	Awareness Programme on GST	14.07.2017	9	2
2017-18	Graphical System Design in Engineering Applications Using LabVIEW	-	22.11.2017	12	--
2017-18	IoT-Application Development Using Raspberry Pi	-	16.11.2017 to 18.11.2017	3	-
2017-18	Faculty Development Programme	Application of STAAD Pro Software In Civil Engineering	07.07.17 & 08.07.17	9	3
2017-18	Behaviour Modeling FDP	-	21.06.2017 to	50	-

Year	Programme		Date	Number	
			23.06.2017		
2017-18	FDP on NAAC Accreditation Process	-	04.08.2017	24	-
2017-18	Preparation of SSR for Revised process of NAAC Accreditation	-	21.09.2017	80	-
2017-18	Introduction of Intellectual Property Right (IPR)	-	15.03.2018	80	-

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	Date and Duration (from – to)
Emerging trends in Autonomous mobile Robots in EGSPE2	2	4/6/2018 to 9/6/2018
Horizontal Integration of various element of Pedagogy in Engineering Education	1	4/6/2018 to 9/6/2018
NPTL workshop conducted by IIT Madras, PSG college of Art and Science,Coimbatore.	2	22/6/2018
Composite Structures in MEPEO Schlenk Engineering college,Sivakasi	1	7/5/2018 to 11/5/2018
Highlights of Energy Auditing in Electric and Thermal Utilities, EGSPEC,Nagai.	1	14/3/2018
Thermo Chemical conversion of Biomass for energy and fuels	1	12/2/2018 to 17/2/2018
Recent advancement in clean energy Technologies for future energy needs , Kongu Engineering college, Erode.	2	15/12/2017 to 16/12/2017
Research Perspectives in IC Engines, inSRM institute of Science and Technology, Chennai.	1	6/12/2017
Internal workshop on sustainable Manufacturing	1	24/11/2017 to 25/11/2017
Advanced optimization techniques and awareness on research, MEPEO Schlenk Engineering	2	13/09/2017 to 14/09/2017

college,Sivakasi		
Innovation pipeline for alternative Fuels & Fuel cells –Future of Mobility	1	7/9/2017 to 8/9/2017
Euterprenuership Development Programme	1	--
Workshop on Data Analytics Concepts and Techniques for Business Intelligence	01	08/08/2017-13/08/2017
Short Term Course under QIP Sponsored on IoT	01	06/11/17 – 10/11/17
AICTE Sponsored Seminar on Multimedia Information Retrieval – Research issues	01	23/09/17 – 25/09/17
FDTP on Distributed Systems	01	27/11/17 – 3/12/17
FDP on Introduction to R Programming (ICTACT)	01	13/07/17 – 14/ 07/17
Short Term course on "Professional Ethics and Values	01	27/11/17 – 1/12/17
FDP on Data Mining and Data Warehousing	01	1/12/17 – 5/12/17
ICTACT sponsored FDP on Palo Alto Firewall installation, configuration and management	01	26/12/17 – 30/12/17
Workshop on Data Science using R programming and python	02	09/03/18
AICTE/ISTE Sponsored Induction Program on Big Data Technologies and Applications	01	21/05/18- 26/05/18
FDP on Cryptography and Network Security	01	28/05/18 – 01/06/18
Institute of Engineers Sponsored workshop on Internet of medical things in Health care	01	14/06/18 – 15/06/18
Workshop on IoT based smart environment monitoring and pollution control assistant	01	11/06/18 – 15/06/18
ICTACT FDP on Introduction to Big Data Analytics	01	16/08/2018 – 17/08/2018
ICTACT FDP on Sales for Business Specialists	01	23/07/18 – 27/07/18
NPTEL- 8 Week Course on Design and analysis of Algorithms	01	01/08/2018 – 31/10/18
Workshop on Python Programming	3	28.08.2017 to 29.08.2017
Workshop on R Programming	2	06.10.2017 to07.10.2017
FDP on Internet of Everything(IOE)	2	06.11.2017 to 10.11.2017
FDP on Security Issues and testing challenges in hybrid IT infrastructure with cloud computing and AI	2	13.11.2017 to 17.11.2017
Workshop on Research Methodology, Scientific Writing and Critical Analysis of Scientific Publications	1	04.06.2018 to09.06.2018
National Level Workshop on CRIO For RenewableEnergy Appliocations	4	02.12.2017 & 03.12.2017
Electronic Devices	1	24.11.2017-30.11.2017

Digital Signal Processing	1	23.11.2017-29.11.2017
Graphical System Design in Engineering Applications Using LabVIEW	12	22.11.2017
Circuit Theory	1	26.11.2017
IoT- Application Development Using Raspberry Pi	3	16.11.2017 to 18.11.2017
System Identification	2	13.10.2017
Make In India- Transforming Research to Reality	1	05.09.2017
Entrepreneurship Development	1	02.08.2017 to 04.08.2017
Earthquake resistant design of structure	1	5 days
FDP on Entrepreneurship Development	**1**	21.05.2017 to 02.06.2017
FDP on Time Management	**2**	8th to 9th May 2017
FDP on career management	**1**	22nd & 23rd May 2017
FDP on Learnwise ED Course Module 2	**1**	3.01.2018 to 5.01.2018
One day Seminar on "IOT and its applications using Raspberry Pi"	3	14.12.2017
Workshop on Peer Review Publications (PRP-2017	2	22..12.2017 to 23.12.2017
Workshop on Innovation and Communication skills	1	15-09-2017
Seven Days Anna University Approved FDTP on Data Structures	1	21-06-2018 to 27-06-2018

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

Teaching		Non-teaching	
Permanent	**Fulltime**	**Permanent**	**Fulltime/temporary**
139	139	119	119 (Fulltime)

6.3.5 Welfare schemes for

Teaching	1. Employee Provident Fund for all employees. 2. Pension scheme with life insurance coverage. 3. Interest-Free loan under monthly instalment scheme to faculty members for purchasing desktop/laptops. 4. Reimbursement of medical expenses to the faculty and staff members. 5. Incentives for reputed publications done by the faculty members. 6. Group Insurance offered to a staff member for a sum of Rs.5 lakhs. 7. Registration Fee, TA & DA are provided to faculty members for participation in paper presentation / seminar /workshop/ FDP programmes conducted in National/International level. Also, Rs.4,000/- & Rs.2,000/- cash incentives for publications in Anna University recommended Annexure – I & Annexure – II journals respectively. 8. Faculty member pursuing full-time Ph.D are encouraged with financial aids. 9. Permission to pursue part-time Ph.D / PDF with On Duty.

	10. To provide CL/PL encashment to our staff members on the surrendering casual leave and privilege leave.
	11. Interest free Deepavali Advance is given to staff members @ Rs.5000 each or one month pay whichever is less and the same had been recovered in 10 equal installments from their salary.
	12. Pongal Bonus is paid to all the Staff members. For staff members those who are having less than 2 years service will be paid Rs.750/-, with 2 to 3 years of service will be paid Rs.1000/- and above 3 years of service will be paid Rs.1250/-
Non teaching	1. Employee Provident Fund for all employees.
	2. Pension scheme with life insurance coverage.
	3. Reimbursement of medical expenses to the faculty and staff members.
	4. Group Insurance offered to a staff member for a sum of Rs.5 lakhs.
	5. To provide CL/PL encashment to our staff members on the surrendering casual leave and privilege leave.
	6. Interest free Deepavali Advance is given to staff members @ Rs.5000 each or one month pay whichever is less and the same had been recovered in 10 equal installments from their salary.
	7. Pongal Bonus is paid to all the Staff members. For staff members those who are having less than 2 years service will be paid Rs.750/-, with 2 to 3 years of service will be paid Rs.1000/- and above 3 years of service will be paid Rs.1250/-
Students	1. Group insurance scheme to the students.
	2. Tuition fee concession to the economical backward students and sports achievers.
	3. 8 gram gold coin for the University rank holders and pay-back of tuition fee for the first rank holder.
	4. Cash incentive for the best Under Graduate project.
	5. Assisting students for eligible government scholarships.
	6. Provide TA/DA for students representing institution in Zonel & Inter Zonal sports tournaments conducted by Anna University.

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

The institute has an internal auditor who audits all the accounts yearly. The institute has mechanisms for internal and external audit. Internal audit is carried out periodically. External audit is carried out once in a year. External Auditor verifies all receipts & expenses bills, payments of the Financial Year.

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

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
One day Training Programme on Awareness cum coaching programme for TANCET 2018 under Self-Supporting Scheme	20,800/-	Student initiative training program conducted for one day on 23-02-2018.Participant from various arts colleges students are got benefited

One day Workshop on Exploring Power of 'C'-An Interview Perspective under self-Supporting Scheme	78,800/-	Student initiative program conducted for one day on 15-09-2017.Participant from various Arts and engineering colleges students are got benefited.

6.4.2 Total corpus fund generated: 70,00,000

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	DNV, The Netherland	Yes	Internal ISO Auditing
Administrative	Yes	Charted Accounting Authorities	Yes	Financial Officer

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

- The Parents' meeting have been conducted regularly in each department to discuss about the progression for their wards.
- All the departments conducted parents meeting in the odd semester after the completion of I CIA Test and declaration of Anna University results.
- Suggestions regarding syllabus particulars received and consulted.
- Grievances regarding college development were acquired and implemented.
- It helps to foster and promote good relationship among faculty, staff and students' with parents to promote social development.
- It helps to create keen interest for the smooth functioning of the institute.
- It helps to understand the diversified need of the students belonging to different backgrounds.

6.5.3 Development programmes for support staff (at least three)

- To conduct the computer hardware and troubleshooting programs by computer experts to the supporting staffs.
- Invited them to attend such type of programme in other colleges and grant them OD.
- The young wards of support staff can be registered for the institute CSR activity for literacy.
- Awareness talk on health and hygiene by Mr. Niyaz Varis
- Collection and donation of cloths, books and utility items.

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

6.5.5

a. Submission of Data for AISHE portal : (**Yes** /~~No~~)

b. Participation in NIRF : (**Yes** /~~No~~)

c. ISO Certification : (**Yes** /No)

d. NBA or any other quality audit : (~~Yes~~ /**No**)

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to------)	Number of participants
2017-18	Mind Power Techniques for Effective Teaching Learning Process	21.07.2018	One Day	160
2018	Awareness Program on NBA	01.08.2018	One Day	50

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-to)	Participants	
		Female	Male
College Bazaar 2017 - 2018	29.08.2017 to 31.08.2017 [3 days]	46	13
Skill development programme on "Employability Skills" to final MBA students	26th & 27th July 2017 [2 days]	16	11
International women's day celebrations	08.03.2018	330	10

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources

Sl. No	Name of the device	Utilization
1	10 kWp rooftop SPV- Solar power unit	Installed in the Administrative Block - The energy need of administrative building for light and fan is managed by this Unit. Around 40 kW-hr per day is generated by this unit
2	1000 LPD Solar Water Heater	It is provided in the student's home (Hostel), supplies hot water to the kitchen for cooking to reduce the fossil fuel requirement. Provisions are also available to use this hot water by the inmates for drinking and bathing.
3	10 m3 Night soil based bio gas plant	The plant is available in the student home (Hostel) which converts the kitchen waste and the night soil in to bio gas. This bio gas is used for cooking purpose in the student home, which saves the fossil fuel requirement and there by the monthly bill. This also makes the environment in and around the kitchen and the toilet clean and odorless
4	Forced circulation Biomass Stove	Provided in the student's home (Hostel) for cooking purpose. Wooden billets are used to generate heat energy. It is also used in the student's home for partial replacement of fossil fuels like LPG in the Hostel
5	20kW(T) Fluidized Biomass Gasifier with tar removal system	For 5kW Electrical Power Generation

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	
Provision for lift	No	

Ramp/ Rails				Yes		
Braille Software/facilities				No		
Rest Rooms				Yes		
Scribes for examination				Yes		
Special skill development for differently abled students				No		
Any other similar facility				Western Water Closet		

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2017	01	-	06/01/2018	Science Exhibition conducted with 28 exhibits and 800 school students from Mayiladuthurai participated.	Research research areas are exposed to school students for knowledge updating.	120 Students participated in the exhibition,2 staff members coordinated.
2018	-	01	26/06/2018 – 27/06/2018	Certificate Course on 'OOPs Concepts using C++' for +2 Students from Government Higher Secondary School, Sankaranpandal	-Handled Lab programs with hands-on. - Handled their curriculum with innovative aids which they are not aware of.	29 Students and 10 Staff members
2018	01	-	07/09/2018	Science Exhibition conducted with 27 exhibits and 900 school students from Mayiladuthurai participated.	Research research areas are exposed to school students for knowledge updating.	100 Students participated in the exhibition,2 staff members coordinated.
2017 - 2018	01	-	29.08.2017 to 31.08.2017 [3 days]	College Bazaar		59

7.1.5 Human Values and Professional Ethics		
Code of conduct (handbooks) for various stakeholders		
Title	**Date of Publication**	**Follow up (maximum 100 words each)**
Hand Book 2017-18	28/07/2018	The handbook contains complete information about the history of our College, vision-mission details, Programme offered details, Board members details, rules and regulations, Infrastructure details and PO-PEO details.

7.1.6 Activities conducted for promotion of universal Values and Ethics		
Activity	**Duration (from-------to-------)**	**Number of participants**
Road Safety Awareness Rally programme	13.10.2018	500
Tree Plantation programme	15.08.2018	100
Voter`s day awareness Programme	25.01.2018	300

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

Students, staff using

1. Bicycles – Hostels are provided with cycles for usage by staff, security staff and students.
2. Public Transport – Other than the 30 plus public transport buses available for reaching the college, college buses exclusively serve 1250 students and 70 staff members (60 % of students come by college bus).
3. Pedestrian friendly roads – All roads in the campus are black topped with tar and are provided with paver block platforms for pedestrians use. The roads are real avenues because of the trees on both sides.

Plastic free campus

The campus is a PLASTIC FREE campus and the institution has banned the use of plastic bags and other forms of it.

Paperless office

All the departments, offices, hostels and other functional wings are provided with computers and suitable softwares for becoming a paperless office. As of now, the college has reached 75% paperless office communication.

Green landscaping with trees and plants

The Institute is gifted with a posh campus with a lot of greenery where students can enjoy an Eco- friendly life. The campus contains over 350 trees of 25 different species which give place for birds and mammals. The used water is treated to redeposit on earth for the fertility of the surroundings and for balancing ground water. It also helps the Institute from shortage of water. Conserving water and nature for future is one of the best practices followed in the campus. The green campus supports the students to keep away from pollution and maintains carbon neutral environment. The average ambient temperature within campus is 2° C less than the outside ambiance. It also ensures healthy, hygienic study environment for better learning life without any discomforts. It relieves a lot of stress that can't be ignored in the life of students. To maintain the Eco-friendly environment the institution planted

100 saplings at the time of Independence day, Republic day and Founders' Day Celebrations. The campus architecture supports limited dependency on electricity for good visual lighting and air flow and also the hostels are fitted with solar water heaters which will reduce the electricity usage to some extent.

The Eco club of the institute conducts green audit annually with the assistance of a Campus Engineer and qualified Horticulturist. Being an academic institution, the scope of

Green Audit is limited to
- Green coverage in campus and tree census
- Drinking water treatment and management
- Sewage (Hostel & Campus) treatment and management
- Kitchen and dining hall waste management

7.2 Best Practices

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

Teaching:

Excellent ICT and LMS support to given to the teaching learning process. Slow and fast learners are identified and separate coaching sessions are regularly organised to excel in their studies. They are encouraged and coached to participate in developmental activities both within and outside campus. Short term/Certificate courses are continuously offered to the students to make them technically sound, which had a great impact in the final year students during their placement. Fast Learners are motivated for paper presentation and project activities are given such as alumni web page development, transport billing system, school office software, hostel billing system.

Extension activities:

Participation in NSS/YRC is mandatory for students to install social responsibility among them. Through these organizations, AIDS awareness programmes, blood donation camps, various health camps and socially relevant activities are undertaken regularly. As part of Institutional-Social responsibilities, the institution offers need based training programmes like Educational awareness programme for the students of Panchayat Union schools with an objective of imparting significance of education, to build the students' self-confidence and motivate them to achieve success in their life and also conduct empowerment programmes for Self Help Group women. Thus the Institute continuously contribute towards the society.

Research:

A practice of rewarding for outstanding research contribution/publication with incentives is followed which encourages new comers to actively involve in research activities, pursuing higher studies (Ph.D) and to participate in FDPs/Conferences/Seminars etc

7.3 Institutional Distinctiveness

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

The Institute serves as a beacon light in the field of education to innumerable youth, with rural background and strive in enhancing the young minds to compete the ever changing global changes and in the way of making the institution a Center of Academic Excellence. The R&D facilities have been opened up to make the students as reservoirs of knowledge and to develop the aptitude to face all the global challenges. In line with the vision and mission, the Institute participates in the noble cause of nation building by offering professional education, research and training in engineering and technology especially to the rural, underprivileged poor students. It shapes the rural student to become physically, mentally, spiritually and socially strong to face the ever growing challenges of the academia, industry and society. The Institute by establishing of the state-of-the-art laboratories and facilities focus to offer scientific research and need based training to meet the global needs of the industry. The ICT enabled innovative teaching learning process makes the students meet the advancement of contemporary society, strengthen the inherent skills and talents for the proficient education to congregate the current global trend. The Institute enthusiastically involves in industrial and societal development by continuous benefit and knowledge sharing activities with the communities. Women empowerment strategies are actively followed in the campus. All these activities are fulfilled with no additional cost from student community and only with the government authorized fees. The transparency in admissions, administration and accounting has created a unique identity of the Institute among the rural mass and potential contributors to the nation's development.

8. **Future Plans of action for next academic year**

- Research Centre Recognition for all Post Graduate departments from Anna University.

- To obtain Re-accreditation status from NBA for the programmes namely, B.E ECE, B.Tech IT, & MCA Programmes and fresh - accreditation for applicable programmes.

- To apply for more funded projects.

- To establish Incubation centre.

- To establish Industry sponsored Laboratory

Name _____   *Name* _____

_____   _____

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

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