Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**A.V.C. COLLEGE OF ENGINEERING**
Name of the head of the Institution	**Dr.C. Sundar Raj**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04364-227202**
Mobile no.	**9442075675**
Registered Email	**avcce@avccengg.net**
Alternate Email	**principal@avccengg.net**
Address	**A.V.C College of Engineering Mannampandal , Mayiladuthurai-609305 Mayiladuthurai Dist., Tamil Nadu**
City/Town	**MAYILADUTHURAI**
State/UT	**Tamil Nadu**
Pincode	**609305**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr.N. Dhanasekar**
Phone no/Alternate Phone no.	**04364227202**
Mobile no.	**9443578497**
Registered Email	**naacaqar@avccengg.net**
Alternate Email	**avcce@avccengg.net**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.avcinstitutions.net/download/AQAR1819.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.avcinstitutions.net/download/avccacademic.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Validity Period To
1	**B**	**2.73**	**2013**	**05-Feb-2013**	**04-Feb-2018**
2	**B++**	**2.88**	**2018**	**03-Jul-2018**	**02-Jul-2023**

6. Date of Establishment of IQAC

16-May-2013

7. Internal Quality Assurance System

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

Research Proposal Scrutiny Committee formed by IQAC reviewed the AICTE AQIS research proposals submitted by faculty members	24-Dec-2019 3		40
Outcome Based Education	17-Dec-2019 4		125
NBA-SAR Presentation by CSE,MECH,EEE,ECE,MCA	10-Feb-2020 5		24
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr.S.Vijayaraj	MODROBS	AICTE	2019 730	1473334
Dr. S. Sivanesshkumar	MODROBS	AICTE	2019 730	1000000
Dr.S.Vadivazhagi	MODROBS	AICTE	2019 730	1100000
Dr. J.Swaminathan	STTP	AICTE	2019 6	293666
Dr. J.Swaminathan	Refresher	AICTE-ISTE	2019 6	300000
Dr.G.Pradeep	Impact Lecture Session	MHRD-AICTE-IIC	2019 2	40000
Mr. P. Siranjeev	Students project	TNSCST	2019 180	7500
Mr. S. Mohanakannan	Students project	TNSCST	2019 180	7500
Dr. A. Ragavendiran	Students project	TNSCST	2019 180	7500
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes

Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

? Made MOU with Sri Manakula Vinayaka Engineering College as Mentee institution under AICTEs Markdharshan scheme to understand outcome based education in a better manner for the accreditation of all eligible departments with NBA ? To impart skill development, internship and value added course to the students an MOUs was signed with Siemens Centre of Excellence in Manufacturing, NIT Trichy and 43 students got benefitted ? To have interaction with industries M/S Unipro Software Solutions Pvt.Ltd, Singapore owned by an Alumni of our sister institution is utilizing our infrastructure and giving training and placement to our students and 15 students got benefitted ? Arranged soft skill and aptitude training to the final year and prefinal year students with AZ and six phrase training agency to improve placements in MNC ? Due to quality inputs and training our students won Smart India Hackathon 2020 title in software edition

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

Plan of Action	Achivements/Outcomes
To initiate a fully automated software to acquire and review the details uploaded by the faculty members regarding journal publications, Faculty Development Programmes and workshops attended. Programmes organized in the department along with photos may be sent immediately to newspaper through the concern person. Board of management may monitor the activity from anywhere by login, eforward and faculty appraisal may be done electronically.	Software for students attendance, transport and non teaching work diary have been developed and working satisfactorily and mentioned software development is under process.
[View File](#)	

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

Name of Statutory Body	Meeting Date
IQAC	**28-Sep-2020**

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

Date of Visit	**23-Jan-2020**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2020**
Date of Submission	**01-Feb-2020**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**A biometric authentication entry system for staff and students. Billing software and Accounting software packages as part of office automation .Automation of Students feedback system for the in house usage. Online Public Catalog 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

Regulation and the Curriculum are 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 the subject is being taught 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 gives 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 on reference about the working days and assessment schedule. In addition to that, co-curricular calendar is prepared for every semester, which includes planned department level programmes and common programmes to execute. The subject faculty maintains the course file and log book which contains students' 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, handouts, 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, and online classes 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.,

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
PHP and MySQL	Nil	20/04/2020	30	YES	YES
Java	Nil	14/04/2020	30	YES	YES
Linux	Nil	23/04/2020	30	YES	YES
Java	Nil	23/04/2020	30	YES	YES
Arduino	Nil	27/04/2020	30	YES	YES
Java	Nil	28/04/2020	30	YES	YES
LaTeX	Nil	08/05/2020	30	YES	YES
Robotics (Elite,NPTEL)	Nil	01/07/2019	60	YES	YES
Internet of Things	Nil	09/12/2019	5	YES	YES
Industrial Robot	Nil	09/12/2019	5	YES	YES
CNC	Nil	02/12/2019	5	YES	YES
PHP and MySQL	Nil	09/08/2019	30	YES	YES
Java	Nil	14/08/2019	30	YES	YES
Python 3.4.3	Nil	14/08/2019	30	YES	YES
PHP and MySQL	Nil	16/08/2019	30	YES	YES
Java	Nil	19/08/2019	30	YES	YES
PHP and MySQL	Nil	20/08/2020	30	YES	YES
PHP and MySQL	Nil	22/08/2019	30	YES	YES
Python 3.4.3	Nil	22/08/2019	30	YES	YES
QCad	Nil	26/08/2019	30	YES	YES
Arduino	Nil	12/08/2019	30	YES	YES
Arduino	Nil	16/08/2019	30	YES	YES
Linux	Nil	15/10/2019	30	YES	YES

Scilab	Nil	26/12/2019	30	YES	YES
Cpp	Nil	07/01/2020	30	YES	YES
C	Nil	07/01/2020	30	YES	YES
Scilab	Nil	10/01/2020	30	YES	YES
PHP and MySQL	Nil	13/04/2020	30	YES	YES
Java	Nil	13/05/2020	30	YES	YES
Java Business Application	Nil	14/04/2020	30	YES	YES
PHP and MySQL	Nil	14/04/2020	30	YES	YES

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil Engineering	01/07/2019
BE	Computer Science and Engineering	01/07/2019
BE	Electronics and Communication Engineering	01/07/2019
BE	Electrical and Electronics Engineering	01/07/2019
BE	Instrumentation and Control Engineering	01/07/2019
BTech	Information Technology	01/07/2019
BE	Mechanical Engineering	01/07/2019
MBA	Master of Business Administarion	01/07/2019
MCA	Master of Computer Applications	01/07/2019
ME	Applied Electronics	01/07/2019
ME	Computer Science and Engineering	01/07/2019
ME	Energy Engineering	01/07/2019

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

	Certificate	Diploma Course
Number of Students	594	Nil

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
TANCET Coaching to MBA Aspirants - MBA	21/02/2020	30
Measurements in Process Industries	09/12/2019	25
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	CIVIL	57
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
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 6 feedbacks 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 stakeholders 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 points 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 to be incorporated periodically in the curriculum. The feedback on the teachers from the students also help in enhancing the teaching learning capabilities to overcome 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	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MBA	Master of Business Application	45	34	34

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1177	230	98	27	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	Numberof smart classrooms	E-resources and techniques used
125	125	3	35	3	3

View File of ICT Tools and resources
View File of E-resources and techniques used

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

Yes. In 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 confidence 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 their 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 students 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
1407	125	1:11

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned	No. of filled positions	Vacant positions	Positions filled during	No. of faculty with

positions			the current year	Ph.D
125	125	Nill	8	38

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr.M.Varaatharajulu	Assistant Professor	Post Doctoral fellow(PDF) National Institute of Technology(NIT) Trichy,
2019	K. Krishnakumari	Associate Professor	Longest Continuous Student Branch Counselor(SBC) under CSI student Chapter

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				

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

Being affiliated to Anna University, the college follows the evaluation structure as recommended by the university and hence has limited scope for modifying the evaluation system. At present, semester system for all courses and all programmes has been implemented by the university. Total weightage for external evaluation is 80 and for internal evaluation is 20. The following modalities is followed for awarding internal marks: ? Three tests namely CIA 1 (100 marks for two units), CIA 2 (100 marks for two units) and Model Exam(100 marks for the entire syllabus) will be conducted as per the schedule announced by the university and the marks scored by the student along with the attendance will be entered in the university web portal for internal calculation. Keeping in view the need for continuous assessment of the students, the college initiated the following measures: ? Centralized Internal Examination system is followed for smooth working and transparency. ? An examination cell coordinated by a senior faculty is available to ensure effective implementation of all activities related to internal and external examinations and assessments. ? Standard question paper pattern with Blooms Taxonomy is followed ? Through continuous monitoring and evaluation of students on campus, students requiring special attention is identified for necessary remedial measures. ? The intellectual and skill-based development of the student is evaluated and monitored on continuous basis. ? 75 attendance is mandatory to appear for the University examination ? Grievances in assessment, if any, are resolved through teacher interaction

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

> **Academic year starts as prescribed by Anna University. The University in advance, publishes the Academic Calendar containing plans for curricular activities based on the available working days as per their norms. The academic calendar of the college provides the date of commencement of the academic session, duration of semester, period of internal assessment tests, final semester examinations etc. The time table is prepared well before starting of every semester to avoid any shortfall in syllabus coverage. The course Plan is prepared by the faculty members individually with details like syllabus, lesson plan , number of teaching classes allocated for each Unit, CO-PO mapping . Department wise staff meeting and class committee meeting with student representative will be conducted thrice in a semester to monitor the portion coverage and the need of the students. The lab schedule is prepared by the concerned HOD, which includes batch wise time schedule. The practical exam will be conducted as per the schedule announced by the affiliated university.**

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.avcinstitutions.net/download/AOI.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					
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2.7 – Student Satisfaction Survey

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

http://www.avcinstitutions.net/download/Gradsurveynew.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 year
Major Projects	**730**	**AICTE**	**1473334**	**1178667**
Major Projects	**730**	**AICTE**	**1100000**	**880000**
Major Projects	**730**	**AICTE**	**1000000**	**800000**
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
international webinar on "Engineering in Facilities Management"	EEE	09/06/2020
Webinar on Control valves in Process Industries	ICE	03/06/2020
Webinar on Introduction to Agile Scrum Methodology	IT	23/05/2020
Introduction to Industrial Safety Standardds	MECH	31/07/2019
Adnacement in Renewable energy Utilization	MECH	31/08/2019
Self Learning and Life long Learning Initiatives	MECH	31/08/2019
International Guest Lecture on Employment Opportunities for MBA Graduates at USA	MBA	07/08/2019
Finance Workshop on Trading Mechanism of Stock Exchanges	MBA	27/08/2019
Alumni Guest Lecture on "Strategies in HR Planning special reference to ISRO	MBA	07/09/2019
Marketing Simulation Exercise	MBA	04/10/2019
Webinar on Emerging Trends in Management	MBA	14/05/2020
" Intellectual Property Rights – Myths Facts"	MBA	20/05/2020
Exploring the Power of 'JAVA' An Interview Perspective	MCA	27/09/2019
Guest Lecture on "Industrial Expectation from freshers"	MCA	21/01/2020
Pay-As-You-Go model in Information Technology	MCA	14/03/2020
Webinar on IoT Use Cases	MCA	08/05/2020
Alumni Webinar on Marching towards Your dream job	MCA	16/05/2020
Webinar on Big Data and its Applications	MCA	18/05/2020
Webinar on Real-life Deep Learning, Machine	MCA	20/05/2020

Learning and AI Use cases			
Webinar on Linux Internals Applications	MCA	22/05/2020
Webinar-Emerging Technologies to shape the future	MCA	12/06/2020
Webinar on Robotic Process Automation	MCA	27/06/2020
ICT Academy organized a Power Seminar on "You Can Do It"	MCA	30/05/2020
Power Seminar on "Campus to Cororate and Skills required for freshers"	MCA	19/06/2020
Webinar on "Identifying Your Right Potential"	MCA	15/05/2020
IIC Sponsored Impact Online Lecture Series	MCA	25/06/2020
Webinar on "Ready Mix Concrete QA QC Aspects"	CIVIL	24/05/2020
Webinar on "Futuristic Technologies of Construction Industry"	CIVIL	29/06/2020
Certificate Programme on 'Angular JS' by Mr. K. Rajkumar, Software Engineer, Infosys Tech. Chennai	CSE	12/07/2019
Workshop on 'Web Technologies' by S. Abiramasundarai, Proprietor, Varsharthi Technologies, Thirukadaiyur (2016 Batch)	CSE	08/10/2019
Lecture on 'Machine Learning' by Mr. Valli Subramanian,Data Scientist Dept of ITAstrazeneca biopharmaceutical,Ramanujam IT City,Chennai. 2014 Batch/IT	CSE	16/08/2019
Lecture on 'How to clear the Technical round of TCS interview' by Mr. K. Rajkumar, Software Engineer, Infosys Tech. Chennai (Batch: 2016 CSE)	CSE	17/08/2019
Lecture on 'Industry Expectations' by Mr. Soorya,System Architect	CSE	17/08/2019

Developer,Vikudha group of companies (2015 IT Alumni)		
Industrial needs by alumni by Software Engineer, TCS, Chennai and Mr. R. Sathishraj, B.E., CEO, E-Crusaders, Chennai	CSE	01/10/2019
Guest lecture on Career opportunities and entrepreneurship by Mr. S. Krishnamoorthi(2001 CSE Alumunus) Cofounder and CEO of Chargebee Technologies,Chennai	CSE	15/02/2020
Hands on Session – Software Development Life Cycle (SDLC)	CSE	21/02/2020
Webinar on How to prepare and deliver a Quality Speech Mrs. J Josephine Ananthi, Technology Lead, Infosys, Chennai	CSE	01/05/2020
Webinar on Let's talk about Ability by Mr. S. Tamizhvendan, (2005-2009 Batch CSE Alumnus), Lead Consultant, Ajira Technologies, Chennai.	CSE	05/06/2020
Webinar on Life in the US: Current scenario for higher Studies by Ms. Mallavarappu Johnsy Vineela, (2014 Batch Alumnus), Systems Engineer II at Ally Bank in Charlotte, North Carolina	CSE	05/06/2020
Embedded Systems Programming	ECE	19/09/2019
Interview and Elevator pitch	ECE	31/08/2019
Analog discovery kit - hands on training programme for staffs	ECE	19/12/2019
Opportunities for research with DRDO	ECE	29/05/2020
Recent trends in ICdesign	ECE	30/05/2020
Arduino simulation using proteus simulator	ECE	31/05/2020
Digital Circuit design	ECE	01/06/2020

using Tanner EDA		
Webinar on GHG MITIGATION – Past, Present and Future in the COVID World	EEE	30/05/2020
Future Opportunities in power sector in this COVID world	EEE	05/06/2020

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
A Study on Linear Complementarity Problems and its applications,	M.Umamaheswari	Bharathidasan University	02/12/2019	A Study on Linear Complementarity Problems and its applications,
Smart India Hackathon 2020 Software Edition Winner	S.Keerthi S.Preethi A.Ezhil S.Bavya M.Kanagaraj D.VishalKumaran	AICTE	03/08/2020	Smart India Hackathon 2020 Software Edition Winner
Longest Continuous student Branch Councellor	K.Krishnakumari	Computer society of India	18/01/2020	Longest Continuous student Branch Councellor
design and development of new efficient system for image restoration using multi level image fusion, image in painting using geodesic propagation	A.Suganthi	bharathiar university	18/10/2019	design and development of new efficient system for image restoration using multi level image fusion, image in painting using geodesic propagation

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

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

Name of the Department	Number of PhD's Awarded

MCA	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CSE	6	0.55
International	EEE	1	0.53
International	SH	11	1.92
International	MBA	1	6.23
International	MCA	1	2.9

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

Department	Number of Publication
CIVIL	1
CSE	8
EEE	1
EEEICE	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Hyperparameter tuning in convolutional neural networks for domain adaptation in sentiment classification (HTCNN-DASC)	K.Krishnakumari	Soft Computing, Springer, Berlin Heidelberg	2020	1	A.V.C College of Engineering	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Optimization of input parameters	P.Balasubramanian R.Kumar	International Journal of Vehicle	2020	2	Nill	A.V.C College of Engineering

on friction stir welding of dissimilar aluminium alloys AA2014 and AA6061 using Taguchi technique	Structures and Systems				

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	15	20	Nill	Nill
Presented papers	27	13	Nill	Nill
Resource persons	Nill	Nill	Nill	10

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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Prime Minister Narendra Modi launched the nation-wide '' Fit India Movement''	NSS	2	200

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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Best Girl Student Award	Best Girl Student Award	AVC College of Engineering	1
adopted village -special camp	adopted village medical camp,awareness program organized to the society	adopted village , panchyathu president	100

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Volunteers- Election Office, Mayiladuthurai	Election Office, Mayiladuthurai	Election Office Volunteers	Nill	5
Awareness on Green Rally	A.V.C College of Engineering	Awareness on Green Rally	123	250
Indian Red Cross Society Centenary Celebration Motor Cycle Relay Rally	Indian Red Cross Society	Motor Cycle Relay Rally	2	10
corona virus awareness programme	Government hospital AVCCE	awareness programme	25	250
PolyFest 2020	A.V.C College of Engineering	Debugging, Connexion Quiz, Web Designing Contest and Technical games.	40	592
Smart India Hackathon 2020	AICTE	Smart India Hackathon 2020	12	144
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
faculty exchange -Journal Publication	3	NIL	1
Smart India Hackathon 2019	2 Mentors and 6 students	AICTE	2
2 Days Workshop on 'Angular JS' by Mr. K. Rajkumar, Software Engineer, Infosys Tech. Chennai	42 CSE IV YEAR Students	Computer society of India	2
industrial needs Software Engineer, TCS, ChennaiMr. R. Sathishraj, B.E., CEO, E-Crusaders, Chennai	200 final year CSE,ECE,EEE,CIVIL	Computer society of India	1
faculty exchange -Journal Publication	3	NIL	1

faculty exchange -Journal Publication	2	NIL	1
faculty exchange -Journal Publication	6	NIL	1
faculty exchange -Journal Publication	7	NIL	1
faculty exchange -Journal Publication	3	NIL	1
faculty exchange -Journal Publication	3	NIL	1

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
inplant training	Student Exchange	NLC India Limited	17/06/2019	22/06/2019	6

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Unipro Software PTE Ltd	03/12/2019	Internship, Campus recruitment, Training	50
Simens-NIT, TRICHY	19/09/2019	INDUSTRIAL TRAINING	43
Sri Manakular Vinayagar Engineering college , puducherry	14/11/2019	faculty knowledge sharing	6

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
12477000	665376

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
AUTOLIB	Partially	5.1	2001

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	53039	13869170	317	105181	53356	13974351
Reference Books	6760	3190859	21	11882	6781	3202741
e-Books	144	124350	Nill	Nill	144	124350
Journals	120	1309804	95	220655	215	1530459
e-Journals	275	4698231	428	320990	703	5019221
CD & Video	3402	Nill	Nill	Nill	3402	Nill
Library Automation	3	135000	Nill	Nill	3	135000
Weeding (hard & soft)	377	65837	Nill	Nill	377	65837
Others(specify)	Nill	Nill	Nill	Nill	Nill	Nill
[View File](#)						

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

(Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.R.Jayasankar	CE 8501Design of Reinforced Concrete Elements	College website	06/07/2020

View File

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	681	586	586	0	60	10	25	120	0
Added	0	0	0	0	0	0	0	0	0
Total	681	586	586	0	60	10	25	120	0

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

120 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Course Materials prepare by faculty	http://www.avcinstitutions.net/coursematerial/Unit1.pdf

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
37390000	14586032	5957000	497512

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)

? Purchase: Every year, funds are allocated towards the purchase of materials and equipments based on the Annual Budget prepared and approved by the BOM Meeting considering the requirements of all the academic departments, maintaining physical infrastructure and supporting facilities. Regarding purchase of materials and equipment requisition letter will be submitted by the Department head concerned after verification by the Dean, Director and the Principal, the same is submitted to the Secretary for approval. If the estimated cost is below 20,000/-, It will be approved by the Secretary. If the estimated cost exceeds 20,000/-, It will be placed in the BOM Meeting for approval. Based on the requirements and specifications of materials, at least three competitive quotations will be obtained from vendors and suppliers. Comparative statement is prepared with the competitive quotations and lowest bidder is recommended to the BOM Meeting for supplying the materials without

compromising the quality. After obtaining the approval from the BOM, purchase order is placed and after the receipt of materials in good condition, payment will be made by way of cheque to the suppliers. By following the above procedure, laboratory equipments, chemicals, Library books, sports materials, computer, and stationary articles are purchased. All the purchased items have been entered in the Department stock register and the utilization of the above materials are also monitored. The Department Heads are entitled to purchase small items required for contingent expenses from their contingent amount. ? Maintenance: The college buildings and infrastructure are maintained by the Project Department. All the Electrical Maintenance works are carried out by the Electrical Maintenance wing. The computer and UPS are maintained separately by the System Maintenance wing. All the House Keeping works are carried out by the House Keeping wing. By following the above said procedure for the purchase of equipments and materials, the maintenance work will be carried out by the above said maintenance departments effectively. Separate office infrastructure for processing all the requirements raised by the academic and supportive departments is available. The Principal, Director (Administration) and Dean (Academics) are ensuring the effective utilization of physical, academic and support facility.

http://www.avcinstitutions.net/download/AF.pdf

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	-	0	0
Financial Support from Other Sources			
a) National	Scholarships	1182	14710290
b)International	-	Nill	0
View File			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft skill development	17/10/2019	11	A TO Z TRAINING CENTRE
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Guidance for Competitive examination	203	Nill	Nill	Nill

| 2019 | Career Counselling | Nill | 244 | Nill | 84 |

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
7	244	60	10	311	24

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	Under Graduate	Electrical & Electronics Engineering	ANNA UNIVERSITY	MBA
2019	1	Under Graduate	Electrical & Electronics Engineering	ANNA UNIVERSITY	M.E – Power System
2019	1	Under Graduate	Electronics & Communication Engg	E.G.S. PILLAI ENGINEERING COLLEGE	M.E – Communication system
2019	2	Under Graduate	Electronics Communication Engg	A.V.C.College of Engginering	M.E., Applied Electronics

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
No Data Entered/Not Applicable !!!	
No file uploaded.	

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

Activity	Level	Number of Participants

Anna University Zone XV Volleyball (Women) Nill	Zonal Level	40
	View File	

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
No file uploaded.						

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.Institution of Electrical and Electronics Engineering (IEEE) 3.Indian Institute of Production Engineers (IIPE) 4.Energy and Fuel users Association of India (ENFUSE) 5.Institution of Electronics and Telecommunication Engineering (IETE) 6.Institution of Engineers India (IEI) 7.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) 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.Research and Development Cell (RD) 4.Training and Placement Cell (TP) 5.Quality Improvement Cell (QIC) 6.Anti Ragging Committee (ARC) 7.Grievances and Redressal Cell (GR) 8.Women Development Cell (WDC)

9.Entrepreneurship Development Cell (EDC) 10.Class Committee (CC) 11.Library Committee (LC) 12.Department News Letter Committee (NLC) 13.Alumni Association (AA) 14.Hostel Committees

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

8758

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

242800

5.4.4 – Meetings/activities organized by Alumni Association :

21.12.2019-

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 are the keys 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 coordinate the academic and administrative planning and implementation reflects the institution's 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 Dean for the effective discharge of multifarious activities and the Dean delegates the academic functional authority to the head of the department and other faculty members. This results in the 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 by 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)?

Partial

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	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 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 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 the 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 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 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 • MOU with NIT Trichy - (Siemens centre of excellence)
	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 the examination given by University. Besides, the well standard course material prepared by the faculty members also strengthens the 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. A 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. • Problemoriented assignments and case studies have been offered to students as part of the teaching-learning process. • Usage of latest teaching aids which includes LCD projectors and ELearning 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 class 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 of speech every hour to improve 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/ Wifi access for all the student's 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 the examination given by University. Besides, the well standard course material prepared by the faculty members also strengthens the teaching-learning process. •The teaching and learning process is also reviewed by the head of the department and the feedback is communicated tothe 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 5students nominees. A regular class committee meeting has been conducted tore cord the grievance about the 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 ELearning 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. • As per AICTE reforming for the internal assessment, we have implemented blooms taxonomy, course outcome and performance indicators. • For each course CO mappings are carried out.
Examination and Evaluation	Every semester two cyclic assessment tests along with one model examination is conducted. • Evaluations are made within three days from the date of the 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 sets 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. Another 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 is 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. • Payback of Tuition fee for University I 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 90 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 Web portal 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 the 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. Another set of question paper is used for students seeking retest for the CIA and model exams undergoing the proper approval process. • Special attention to the slow learners by offering intensive coaching through remedial classes. • Daily class test is 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 PhD programme are instructed to set up 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 AVCCERPS 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 to procure research equipment. • 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 AVCCERPS 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 to procure research equipment • Project proposal scrutinises committees formed and scrutinising the AICTE funded project by the faculty and best projects selected among those and submitted to the funded AICTE. Three projects has been selected by AICTE. • Staff research programs monitoring committee monitoring the progress of research by the faculty and insist them to publish

		the research work in the reputed journal only.
	Library, ICT and Physical Infrastructure / Instrumentation	• The library has been digitalized. • RFID cum Barcoded 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 an overnight basis. • Group discussion hall with the airconditioned 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 ProQuest Management Journals. • CCTV Camera Surveillance. • Library Secured with Fire Smoke Detectors. • Pest control protection within the reading Premises • 16 Mbps Broadband Connection with WiFi 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 Communication Laboratory) are well equipped. • The department is equipped with 70 Computer terminals with high configurations. • WiFi Enabled campus • To access online journals at the library • Department library also utilized for issues books to the students
	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 92 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 interfaith 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. Sponsoring faculty for PhD and post-doctoral course, Dr. M. Varatharajalu pursuing with the permission of management.
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. • Through Industry Institute Partnership Cell (IIPC), Industrial visits, Inplant 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 Industry exposure. • HR/ Managerial professionals from industries were invited to interact with final year students. • MOU with unipro software , NIT Trichy - (Siemens centre of excellence) . • Students are sent to various industries like AIR, Karaikal, BSNL, Mayiladuthurai, NLC, Neyveli,ONGC Karaikal, • Various Guest Lecture and Training Programmes are conducted by the Industry Experts every year.
Admission of Students	65 percentage of the seats by Government Quota (GQ) admission through Tamilnadu Engineering admission (TNEA) by the State Government of Tamilnadu. • 35 percentage of the seats Management Quota (MQ) filled through Consortium of Self Financing Professional, Arts and Science Colleges of Tamilnadu. M.E • Minimum 35 percentage of the seats filled under Government Quota (GQ) admission through Tamilnadu Engineering Common Admission (TANCA) Test by the State Government of Tamilnadu. • 65 percentage of the seats Management Quota (MQ) filled through Common Entrance Test conducted by Consortium of Self Financing Professional, Arts and Science Colleges of Tamilnadu. MCA MBA • 50 percentage of the seats by Government Quota (GQ) admission through Tamilnadu MBA/MCA Common Entrance Test (TANCET) by the State Government of Tamilnadu. • 50 percentage 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:

E-governace area	Details
Administration	Billing software, Transport Pass, Supporting staff work diary, Grievance and redressal System and Accounting software packages as part of office automation.
Finance and Accounts	Billing software and Accounting software packages as part of office automations.
Student Admission and Support	Dote – Oracle Developer form o Anna University – National Information Centre, Chennai o AICTE Web portal o

	Automation of Students feedback system for the in house usage. o Online Public Catalogue services for the provision of automated book search, issue, return and other value added services. o 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) o Each course, both theory and practical (including project work viva voce Examinations) shall be evaluated for a maximum of 100 marks. o For all theory and practical courses including project work, the continuous internal assessment is carried out for 20 marks while the End Semester University examinations marks of 100 marks have been converted to 80 marks. The credit-based system is followed and students CGPA are computed for awarding grades. o The University examination for project work shall consist of an 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: o 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. o Candidates who are not satisfied with revaluation can apply for a 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

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
2019	K.ARUNA	International Conference on Adaptive Computational Intelligence(ICACI) -2019)	-	1450
2020	Dr.S.Padmapriya	-	Computer Society of India(CSI)	2360
2020	Mrs.J.Sudha	-	Computer Society of India(CSI)	2360
2020	Mrs.K.Krishna kumari	-	Computer Society of India(CSI)	2360
2019	Mrs.M.Devisri Nandhini	International Conference on Adaptive Computational Intelligence(ICACI) -2019)	-	1450
2020	Dr. G. Sridevi	-	Coimbatore Management Association	1050
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	MHRD-IIC sponsored impact online	-	25/06/2020	25/06/2020	105	Nill

2020	MHRD-IIC sponsored impact online lecture series -I						
2020	MHRD-IIC sponsored impact online lecture series -II	-	07/02/2020	07/02/2020	112	Nill
2020	-	Staff Development Programme on Analog Discovery Kit - Hands on training programme for staffs	19/12/2019	19/12/2019	Nill	3
2020	Cyber Security Assessment for Institutional Strategic Decision	-	22/05/2020	22/05/2020	24	Nill
2020	Three days Faculty Development Programme on "Exploring the AICTE Initiatives on Under standing Human Values"	-	26/05/2020	28/05/2020	92	Nill
2020	-	On line Refresher Programme to Supporting staffs in the title of Behaviour [Life Skills] Modelling	23/05/2020	23/05/2020	Nill	62
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the	Number of teachers	From Date	To date	Duration

professional development programme	who attended			
Online FDP -Advanced Technologies for Infrastructure Development	1	13/05/2020	19/05/2020	7
Online FDP -Tech Webinar Series-1 - road to zero	1	07/05/2020	09/05/2020	3
Online FDP -A journey of Civil Engineer as an Entrepreneur	1	05/05/2020	09/05/2020	5
OnlineFDP - Digital transformation of academia	1	17/05/2020	20/05/2020	4
Online FDP -Six Days Online Workshop On Contour Crafting – 3d Building Printing Technology	1	18/05/2020	23/05/2020	6
Online FDP - Exploring The AICTE Initiatives on Understanding Human Values	60	26/05/2020	28/05/2020	3
Online FDP -Webinar Series -2020 Polymer modified concrete	1	26/05/2020	30/09/2020	5
Online FDP - Technical Webinar Series - treatment of sewage	1	02/06/2020	05/06/2020	4
Online FDP - A Three Day National Level Online FDP on "Rehabilitation and Retrofitting of Structures (R2	1	04/06/2020	06/06/2020	3

S)"				
Performance of Engineering Structures under Extreme Loading	1	08/06/2020	13/06/2020	6

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
8	Nill	1	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
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 fulltime 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	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/ 8.Three months maternity leave with full salary and another three months without salary for women staff 9. Five days marriage leave for all staff with full salary	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 payback 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 Zonal and Inter Zonal sports tournaments conducted by Anna University.

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 instalments 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/ . 13.Three months maternity leave with full salary and another three months without salary for women faculty 14. Five days marriage leave for all staff with full salary 15. Three days leave to all staff to meet out the spiritual ceremony of their direct blood relations demise	10. Three days leave to all staff to meet out the spiritual ceremony of their direct blood relations demise	

6.4 – Financial Management and Resource Mobilization

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

The institute has 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/ Grnats received in Rs.	Purpose
Foundation for Excellence Indian Trust – Bangalore	120000	Education fund
[View File](#)		

6.4.3 – Total corpus fund generated

5000000

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 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 a keen interest in 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)

1. Online refresh programme conducted on behavior modelling (life skill) on 23.5.2000 2. Online webinar on "personal excellence " on 22-5-2020 3. Online program on "our thought – our life " on 19-06-2020 and 20-06-2020

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

Signed MoUs with leadning industires Pre-placement training program for the students implemented. Internship, Industrial visits are arranged. Teachers make use of ICT tools like PowerPoint presentations and smart board for enhance the teaching learning process.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	**scrutinizing of proposals MODROBS**	**20/08/2019**	**21/08/2019**	**21/08/2019**	**40**
2019	**Outcome Based Education**	**17/12/2019**	**17/12/2019**	**20/12/2019**	**125**
2020	**NBA-SAR Presentation by CSE,MECH, EEE,ECE,MCA**	**10/02/2020**	**10/02/2020**	**14/02/2020**	**24**
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
ED BAZAAR 2019	19/09/2019	19/09/2019	65	54
Legal Rights of Women and Redressal Mechanism for Faculty Members	02/03/2020	07/03/2020	32	12
International Women's Day	07/03/2020	07/03/2020	200	10
NCC Unit started under TN 8 NCC battalion. Finished I sem training.	01/07/2019	02/01/2020	7	8

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

Percentage of power requirement of the University met by the renewable energy sources
30 Percentage of our lighting load requirements is fulfilled by LED lights to conserve energy. we are having 10Kwatts solar photo voltaic plant, 1000 LPD of solar water heater and 10m3 of nightsoil based biogas plant and also utilizing kitchen waste from students home for biogas generation and utilization for students home.

7.1.3 – Differently abled (Divyangjan) friendliness

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

7.1.4 – Inclusion and Situatedness

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

advantages and disadvantages	and contribute to local community						
2019	1	1	25/01/2020	1	Blood Donation camp	Voluntary Blood Donation	129
2020	1	1	04/02/2020	7	Special camp @ Melapathi Kizhaiyur	General Medical Check up Camp	100
2020	1	1	21/02/2020	1	Motivational programme	Brahma Kumari's spiritual moment	200
2020	1	1	10/03/2020	3	CORONA awareness programme	Creating Awareness about COVID 19	750
2019	1	1	01/08/2019	180	Swatch Bharath Abhiyan	Through out the year various cleaning initiatives were taken	180
			View File				

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

Title	Date of publication	Follow up(max 100 words)
Students Code of Conduct handbook	03/07/2019	It contains the details about time schedule of the class, dress code, do's and dont's in side the campus and details of working day.
Staff members code of conduct	03/07/2019	All the roles and responsibilities to the staff and do's and dont's inside the campus everything is clearly mentioned in the appointment letter. The new staff need to read it all carefully and put sign in that.
Students Activitiy Regulation forum	05/08/2019	Initiating Positive Attitude, Human values, Code of Conduct and Ethics presentation to First year students by

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Yoga Day	21/06/2019	21/06/2019	150
Independence Day	15/08/2019	15/08/2019	390
Engineers Day	15/09/2019	15/09/2019	360
Pongal Day	12/01/2020	12/01/2020	260
Republic Day	26/01/2020	26/01/2020	390
Women's Day	07/03/2020	07/03/2020	210
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Alternative Energy Sources like - Solar energy (10 KW solar panel 500 LPD Solar water heater), Biogas plant (10 M3), Sensor-based energy conservation and use of LED bulbs (38 amps) / power efficient equipment are utilized. 2. Waste Management like - Solid waste management, Liquid waste management, E-waste management and Waste recycling system (Backwash of 5 RO plants of 500 LPD capacities) are utilized. 3. Water Management systems like . - Rain water harvesting, Borewell /Open well recharge, Construction of tanks and bunds , Waste water recycling and Maintenance of water bodies and distribution system in the campus are prevalent. 4. Eco friendly initiatives like - Restricted entry of automobiles, Battery-powered vehicles, Pedestrian-friendly pathways, Ban on the use of Plastics, Landscaping with trees and plants, Green audit by ECO Club, Energy audit, Environment audit and Beyond the campus environmental promotion activities by NSS are taken up. 5. Awareness creation initiatives like - The Institute conducts various programmes throughout the year to create awareness among the students like "Save energy", "Save Water", "Green energy", "Sustainability initiatives" etc and also special talks on these areas by experts. This awareness creation is a prolonged activity.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices BEST PRACTICES - 1 1. Title of the Practice Skill development courses are offered to the college/school dropouts through PMKVY (Pradhan Mantri Kaushal Vikas Yojana) scheme. 2. Objectives of the Practice To fulfill the lively hood needs of various categories of students student like drop outs. Intended Outcome: Completion of degree/diploma/schooling by a student only will not give an opportunity to get a job. There are many number of skill required in the industries other than the basic education. So the Institute under the PMKVY scheme offered many skill development courses by various departments. These courses have helped the students to secure a job with the various skill levels thereby creating livelihood for an aggrieved family. 3. The context The students nearby our Institute are from rural villages and towns with minimal exposure to different types of learning's. The diversity of students in terms of learning abilities, attitude and social constraints are the issues to be addressed. Many of them have dropped from their education or not in a position to acquire additional skills other than the basic education. This scheme offered them variety of skills under various areas and levels. This will enable them to secure a job and to prolong their life with much needed basic

requirements. The purpose is to mainly break the stagnancy created due to the deprived youngsters for want of specific skills and expose them to various kinds of learning possibilities. 4. The Practice : The institute offers various skill development programmes with the help of government scheme utilizing the existing resources. The students are suitably counseled to select a skill and made to develop the same with a well planned syllabus. They were even financially supported under PMKVY which encourages them to participate in the skill development. The institution imparts the skill, test them with external evaluators and help them to find a job in the related industries. This is practiced for the past few years. 5.Evidence of Success Till date more than 400 students have been trained by three departments and they are successfully placed in the industry. The doors have been opened for them and many of them still keep in touch with the departments. 6. Problems Encountered and Resources Required As the management, faculty and supporting staff cooperated well, there were negligible issues. But students had certain initial teething problems in attending the classes and practicing the learnt skills since they were not exposed to this type of do and learn activities. They did come up and completed their course with flying colours. Resources required Available resources were sufficient to successfully implement the scheme and develop the skills specified for the industries. BEST PRACTICES - 2 1. Title of the Practice Research and Development of the students for the Institution 2. Objectives of the Practice To ensure overall development of the Institute by developing systems for better administration and teaching - learning process. To make research perspective as a way of life among the faculty and students. Intended outcome: This will make the faculty to contribute better to the student community and join with them in various development activities like software development, experimental products and business opportunities. This helps the students to practice the knowledge learned, practically in solving issues coming across in the institute. 3. The Context There is a great shortage of fully qualified engineering faculty in our country. To fill this gap our institute is recruiting freshers and develops them into a qualified faculty. For this we follow a well planned appraisal system which produces a highly qualified faculty in few years of time. The competency level of fresher's is lees especially towards the teaching learning process. This is because engineering education is not a Lucrative career option among the youngsters. The talent pool consists of only second layer fresher's. Hence this practice is followed by our Institution. 4. The Practice Faculty members may submit to the management about any research or development plans. After careful scrutiny under the RD Director and a panel, the needed support in the form of utilizing resources and finance will be provided. Faculty members will join with other faculties, sometimes inter disciplinary and student's team will be formed to pursue the project. The students get an opportunity to practically implement their ideas with the help of faculty member's guidance and will complete the project. The experience applying the knowledge acquire creates confidence among the students and faculty in pursuing similar activities. This practice of creating an interdisciplinary approach to experiment with various avenues has brought many successful projects. 5. Evidence of Success The students were engaged in software development for hostel accounting, exam cell monitoring, attendance maintenance for Anna University Web portal entries, academic performance monitoring systems etc.. These software's and applications have heavily supported the various above mentioned activities and even lessened the burden of faculty from administrative activities. The students involved in these became the winners in the Smart India Hackathon 2019-20 conducted in Mar-Apr 2020 and received the cash prize of Rs 1,00,000/- Another team has indigenously designed and built a solar powered Battery Vehicle which is used as a small goods carrier and a commuter. Also two teams researched in Power Generation from waste and designing a powered wheel for the modified two wheelers (for the differently abled). They participated in the Tamil Nadu

Student Innovators contest 2019 (TNSI 2019) and one team went up to the finals. Another team developed sensor based lighting arrangement in campus itself. The business management student's team conducted ED bazaar jointly with ED Cell of the institute to tone up the business skills of the students. The one day event with 65 stalls and around 120 students fetched Rs 87,000 as revenue in a single day. The MBA students run the canteen of MBA on their own. These evidences show the success stories and even failed projects are learning experiences to the students. 6. Problems Encountered and Resources Required Some of the ideas not approved by the scrutinizing committee led to some apprehensions among students but the counseling by their faculties have subdued them. The resources for the same are also comparatively limited and scarce. So number of ideas projects implemented are less in this initial stages and will certainly increase in the coming years.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://www.avcinstitutions.net/download/Bestpratices.pdf

7.3 – Institutional Distinctiveness

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

Institutional Distinctiveness The performance of the institution in one area distinctive to its vision, priority and thrust Response: A.V.C College of Engineering was started in the year 1996 committed to social welfare and progress of the rural poor. The founding father, Sri. S. Ramalingam Pillai sowed the seeds of A.V. Charities in 1806. A.V. Charities were helping the poor, feeding them and were renovating temples from the very beginning. It began its educational services by starting the A.V.C [Autonomous] College in 1955, extended their horizon to A.V.C. Polytechnic in 1983 and in 1996 by opening the Engineering College. A.V.C. Educational Institutions are managed by a Board of Management, The members of Board of Management (BOM) are selected by the Scheme Court (Principal Subordinate Court of Mayiladuthurai) as per the bylaws of A.V.C Education Committee registered under Society Registration Act in Mayiladuthurai Sub registry. The Office bearers of the Board of Management are elected by the members of BOM. The office bearers are Chairman, Secretary and Treasurer. The Principal of the institution is an Ex-offico member of the BOM. Minutes of meetings of BOM, resolutions passed, annual budget and annual audited statement of accounts are placed before the scheme judge regularly. Any dispute among BOM members will be resolved by the scheme Judge. This ensures following of correct ethical standards. Board of Management, Secretary of BOM (Correspondent), Principal, Director (Administration), Dean (Academics), Academic Council consists of Heads of Various Departments constitute the overall administrative setup of the Institute. The Institute serves as a beacon light in the field of education to innumerable youth, with rural background (with financial drawbacks, less exposure to technology and ICT) and strive in enhancing the young minds to compete the ever changing global changes and in the way of making the institution a Centre of Academic Excellence. The RD 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 students are adequately trained in language proficiency, soft skills and technical skills so that they are being placed while passing out. As stated in the logo of the Institution, " Nunporul Kanbadhu Arivu" meaning "To learn till the tiniest detail" being the motto, the institution strives to ensure the upliftment of rural poor students by imparting value based education in the field of Engineering and Technology. 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. Innovation and creativity has grown and our students are continuously participating in Smart India Hackathon grand finale. Entrepreneurial awareness is spread among a student which has started bringing results and entrepreneurs are coming out. All these activities are fulfilled with no additional cost from student community and only with the government authorized fees. Increase in the number of first graduates, students with scholarships (Above 50 of the students) and placements (70 of students), and the pass percentage (86) has become the evidence for the efforts made. The transparency in admissions, administration and accounting has created a unique identity of the Institute among the rural mass as the potential contributors to the nation's development. Thus the Institute is distinct in its very functioning and is marching towards the vision/mission with all the core values of serving the rural mass.

Provide the weblink of the institution
http://www.avcinstitutions.net/download/Distinctiveness.pdf

8.Future Plans of Actions for Next Academic Year

The Institute has created an training environment in which students are trained in various soft skills with the help of experts. They are being subjected to these activities through out the year. The Institute has continuously focused its efforts to excel in research which helps in improving the institute functioning and also the social needs around. The Institute is stepping towards getting accreditation by NBA for all the courses offered, permanent affiliation to remaining course and to attain a 12B 2F status under UGC. It has taken sufficient initiatives to be an Autonomous college with potential for excellence. It has devised and offers short term certificate courses in specific domains by utilizing the expertise available. It has taken many initiatives in the form of training to improve the placement opportunities for the students. Also it has created an eco system for innovations including Incubation center and other initiatives for creation and transfer of knowledge. It is visible through the accolades gained through ED Cell, IIPE (Indian Institute of Production Engineers), ENFUSE (Energy and Fuel Users Association of India), CSI, ISTE, ICTACT, NHRDN, Advt Club, Labview Academy, IEI, IETE and III cell etc. The various avenues considered and developed by the institute shows the persistent efforts to excel in imparting knowledge and skills. The regular activities involve ED awareness camps, Business plan competitions, Campus/College Bazaar, Interactions with Entrepreneurs etc. The institute is part of EDII, Tamilnadu, HUB @ SASTRA Deemed University as a spokes college and promotes various avenues in Entrepreneurship. Also the institute ensures its efforts to social development by adjoining in various government schemes. The staff and the institute assist and contribute in the production and development of top quality professional engineers and technicians needed by the industries and other organizations. The institute always try to develop individuals across socio economic backgrounds with the courage to dream, the drive to make a difference, the ability in themselves, the perseverance to convert their thoughts into action and to prepare a pool of next generation entrepreneurs to the economic and social development of

our mother nation. The institute has been incubating and promoting startups with few success stories. In order to strengthen the efforts the institute has applied for Atal Incubation Center, under NITI Aayog with tie ups of successful entrepreneurs from the institute. The focus field is Agirculture and allied marketing, Building Materials/Construction Technology, Electricity and Renewable Energy and Environment Sustainability, Manufacturing and Engineering. Thus the institute has planned to grow into a cynosure of technology contributing to developing industrial capabilities through positive training involvement contributing towards a wholesome development of the society.