Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**V.R.S. COLLEGE OF ENGINEERING AND TECHNOLOGY**
Name of the head of the Institution	**DR.N.Anbazhaghan,M.E., Ph.D.,**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04149298053**
Mobile no.	**9443240278**
Registered Email	**vrscet@yahoo.com**
Alternate Email	**n_anbazhaghan_1968@yahoo.co.in**
Address	**NH45**
City/Town	**Arasur**
State/UT	**Tamil Nadu**
Pincode	**607107**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Mr. R. BALASUBRAMANIYAN**
Phone no/Alternate Phone no.	**04149298053**
Mobile no.	**9443444719**
Registered Email	**vrscet@yahoo.com**
Alternate Email	**iqac.vrscet@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://vrscet.in/wp-content/uploads/2018/03/AQAR2016-17.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://vrscet.in/wp-content/uploads/2020/12/calendar-2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
2	**B++**	**2.92**	**2019**	**09-Sep-2019**	**08-Sep-2024**

6. Date of Establishment of IQAC	**28-Feb-2014**

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
IV/2020/MDI- Life Skill	**23-Nov-2020**	**28**

Development Programme	1	
III/2020/HFP- Hygienic Food Practices	01-Dec-2020 3	45
II/2020/TMS- Team Management Skills	27-Nov-2020 4	56
I/2020/ET M-Effective Time Management	01-Dec-2020 4	148
class committees	08-Jul-2019 1	15
View File		

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
Mechanical	FDP	AICTE	2019 15	613000
Student Undergrauduate Project Scheme	UG Project Scheme	TNSCST	2019 180	7500
View File				

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

Improving training and placement

Increasing UG and PG Admission Activities

Introduction of short-term innovative, need- based skill development certificate courses for rural population.
ICT in teaching, learning and evaluation processes
Motivating faculties to apply for patent

[View File](#)

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
UG and PG Admission Activities	Improved student admission by encouraging faculty members and students to canvass for admission and offering incentives based on admission counts, also offering reduction in Government fees for rural students.
[View File](#)	

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

Name of Statutory Body	Meeting Date
Governing Council	14-Jul-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**No**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2020**
Date of Submission	**19-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)	**Yes, the institution has a Management Information System. The institution gathers information regarding academic and administrative sections through different committees. The collected information is given to the management by head of the institution. The**

	Governing council monitors the performance and the progress of the institute to ensure the fulfillment of the objectives. To ensure consistency in academic excellence, upgradation of facilities in needed spheres is the standard agenda in the council meetings. Resolutions are made as per requirements and they are implemented to enrich teaching learning process in a broader perspective. • The AICTE and Anna University norms are followed in the college administration, student admission, staff recruitment, promotion, salary etc. The rules and regulations of the college are published in the college calendar, which has been annexed. • The HoDs monitors the maintenance of academic infrastructure and other facilities of their respective departments. Faculties are the laboratory incharges and they maintain the proper functioning of the lab equipment and accessories with the help of lab technicians. Procurement of equipment and consumables are put up by the labincharges through HoDs to the Principal. • The nonteaching staff members ensure the proper functioning and maintenance of the infrastructure facilities in the class rooms like green boards, desk benches, LCD projectors, computer systems and other teaching aids. • The computers and their accessories are taken care of by a separate hardware/software trained personnel and periodic upgradation with the required software is carried out for the betterment of the students. • • Routine cleaning of water tanks, coolers etc., are carried out under the guidance of estate officer, who reports to the administrative officer. • The daytoday cleanliness of the campus and Library are maintained by the Estate officer, who reports to the Administrative officer. • The Physical Director maintains the quality of the playfields with the assistants provided for him. • A Complaint Register is maintained at Administrative Office for immediate rectification.

<div align="center">Part B</div>

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

The College is affiliated to Anna University and the curriculum and syllabi prescribed by the university are strictly followed. Apart from this prescribed curriculum, the College has strengthened the teaching learning process in the following ways: • Planning of Academic activities and calendar in alignment with the University issued Calendar of Events. • Formulation of semester plan and year plan at the beginning of the semester. • Preparation of adequate learning materials which matched with lesson plan and syllabus. • Course file maintenance by all faculty members, which contains lesson plan, notes of the lesson, and question bank along with performance details of the students. • Adopting new and innovative teaching technique Mission 10X, in addition to the traditional lecture method to get the students actively involved in the processes. • Employing learner techniques such as web related assignments, group discussion, use of NPTEL lectures case studies, projects, quiz etc., in the delivery of the academic courses. • Teaching faculties are counseling students on academic and personal issues, thereby strengthening the bond between teachers and students, leading to a better learning atmosphere and to sustain their performance. • Every class has a class committee consisting of all the students in the class and chairperson and faculties from the other department. • Each common theory course offer to more than one discipline or group have a "course committee "comprising all the teachers teaching the common course with one of them nominated as course coordinator. • The purpose of course committee is ensuring uniform evaluation of the tests and arriving at a common scheme of evaluation for the tests. • Organizing suitable invited guest lectures by industry personnel and industrial visits to improve the effectiveness of implementation of the curriculum designed and specified by Anna University. • Framed with provision for Add-on Programmes, seminar, internet and library hours. • Certificate programmes, value added courses and life skill programmes are being conducted. • The Head of the department and the Principal do a weekly and monthly review the portions covered by the staff members and also the student's attendance. • Monitoring of course delivery and syllabus completion through formal and informal. • Systematic examination process, standard question papers, proper and prompt evaluation and dispatch of reports to parents. • Check list is maintained for every subject to monitor the performance of the students. • Remedial classes are conducting for underperforming students. • Special counseling during study holidays through phone to both students and parents. • Coaching during study holidays. • Providing infrastructure facilities to encourage students for doing the project. • Updated library facilities with e-journals, NPTEL videos, etc. • Motivating students for doing research work and present papers in seminars and conferences and publish in journals. • Adopting for the effective delivery of the curriculum. • Conducting funded workshops, seminars and FDPs, 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
COST MANAGEMENT USING ITWO COSTX SOFTWARE	Nil	10/12/2020	2	Employabil ity	yes
CIVIL CAD (2D 3D DRAFTING)	Nil	15/12/2020	30	Employabil ity	yes

BUILDING PREVENTIVE MAINTENANCE	Nil	21/12/2020	7	Entrepreneurship	yes
PROJECT MANAGEMENT USING PRIMAVERA	Nil	14/12/2020	7	Employability	yes
Basics of R Language	Nil	15/12/2020	1	Employability	yes
Advanced Python	Nil	21/09/2020	1	Employability	yes
Web Application Development using PHP and Python	Nil	10/12/2020	1	Employability	yes
INSTALLATION AND MAINTAINANCE OF ELECTRICAL CIRCUITS	Nil	07/12/2020	1	Entrepreneurship	yes
ELECTRICAL MACHINE DESIGNING	Nil	21/09/2020	1	Employability	yes
LABVIEW OF PERFORMANCE IN WIND AND SOLAR ENERGY SYSTEMS	Nil	15/10/2020	1	Entrepreneurship	yes
Training in MS-Word, Excel, Power Point, search engine	Nil	10/10/2020	1	Employability	yes
MATLAB and Simulink for Data Processing and Visualization	Nil	17/10/2020	1	Employability	yes
Arduino Interfacing and Programming	Nil	31/10/2020	1	Employability	yes
Trouble shooting of Refrigerator	Nil	16/12/2020	1	Employability	yes
MATLAB Basics and Hands on	Nil	23/12/2020	1	Employability	yes

Practice					
NXCAD	Nil	11/12/2020	1	Employability	yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
ME	Embedded Systems and Technology	08/01/2020
BE	Electrical and Electronics Engineering	08/01/2020
BE	Computer Science and Engineering	08/01/2020
BE	Electronics and Communication Engineering	08/01/2020
BE	Mechanical Engineering	08/01/2020
BE	Civil Engineering	08/01/2020
[View File](#)		

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	08/01/2020
BE	Mechanical Engineering	08/01/2020
BE	Electronics and Communication Engineering	08/01/2020
BE	Computer Science and Engineering	08/01/2020
BE	Electrical and Electronics Engineering	08/01/2020
ME	Embedded Systems and Technology	08/01/2020

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

	Certificate	Diploma Course
Number of Students	834	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
Value Added Courses	13/08/2019	1340
[View File](#)		

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 Engineering	96

BE	Mechanical Engineering	271
BE	Electronics and Communication Engineering	82
BE	Computer Science and Engineering	115
BE	Electrical and Electronics Engineering	106
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The feedback is key tool which triggers in continual improvement in the quality of education. By the time of introducing new curriculum by the Anna University, The institution collects feedback on curriculum aspects and courses from different stakeholders such as students, parents, alumni, faculty and employers. The responses are analysed on the basis of different parameters and necessary actions was executed which helps to implement quality policy at institute level. Faculty feedback from the students for the respective course is taken in each semester on various teaching/learning aspects and it is analysed by the HODs and corrective measures if any, are informed to the respective faculties for further improvements. The feedback is taken from students in order to analyse and implement as per their needs. The institute also gathers Exit-feedback from each graduating batch at the completion of the course on the overall quality of the program and other facilities which helps to analyse the understanding capability of the students and for improving other facilities. Feedback from the students, parents and alumni are collected for their suggestions in improving the curriculum by interacting with them during Parent Teacher Meet and alumni meet event. Alumni interaction is arranged every year at department level across different events such as expert lectures, discussing industry job scenario with current all batches are the benefits. Its observed from the earlier feedbacks received that, alumni are quite satisfied with the infrastructure facilities. The suggestions from alumni mainly focuses on to keep pace with the everchanging technology. IQAC planned an initiative for add-on/bridge courses. Parents feedback analysis suggests to improve onto Industry exposure aspect. IQAC decided to address the issue by signing more MoUs with the adjoining industries and satisfy to the need of students. Feedback from faculties are also taken for their suggestions in syllabus revision. Feedback is also collected from the companies which would help in enriching the curriculum and to provide many additional training programme to the students apart from the curriculum. This ensures that the course is up to date and fulfils the future employment requirement of students. The suggestions from employers mainly focuses on to undergone many Industry internship, Inplant training, Certification/Add-on programs, Seminars/ workshop from Industry experts. In addition to that Communication skills training, aptitude training,

leadership training and Entrepreneur training to be given to the students. Based on the above feedbacks and suggestions received from various stakeholders, we take corrective actions to complete the loop.

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
ME	EST	18	2	2
BE	Mech	120	41	41
BE	ECE	60	36	36
BE	EEE	60	27	27
BE	CSE	60	50	50
BE	CIVIL	120	20	20
View File				

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	787	4	95	3	98

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
98	98	Nill	39	3	Nill
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, the student mentoring system is available in the institution. A mentor is a teacher acting both as a friend and a role model who supports and encourages a student in his/her academic and personal growth. The mentor guides a student in his /her academic pursuits and emotional and psychological development, particularly in the latter's' transition phase. The mentor also guides his students in how much they should try to achieve and how. V.R.S College of engineering and technology has adopted and implemented a Mentoring System as a student support measure. The system, though flexible, functions along well-defined lines. Each faculty member is the mentor of a group of 10 to 15 students allocated to him/ her by the Head of the Department. The mentor collects personal information from the student without touching sensitive issues or forcing any information out of the students and then provides the needed counseling to the students. Critical issues are brought in the notice of the Head of the Department. The teacher meets the students informally outside class hours as well and guides them regarding their career options. A documented record of the mentoring process is maintained by the mentor and the Head of the Department for reference purposes. The mentor monitors the academic performance and

attendance of the student frequently. A special attention is paid to the students who have low attendance and who have skipped internal and external tests from the mentor's side. The students should take the prior permission of the mentor before they absent themselves from classes. They have to submit a leave note for the absence for a period / day / days to the Mentor. After completion of every internal examination, The mentor will note the performance of the students in the progress report which contains the status of attendance, CA tests marks and semester examinations results and also the behaviour of their wards are communicated to their parents. The mentor arranges parents to meet him/her for suggesting the improvement in attendance status and academic performance. Meets the group of students at least twice a month. Continuously monitors, counsels, guides and motivates the students in all academic matters. Advises students regarding project, in plant training, workshops, seminar, paper presentation and project contest in various reputed institutions to harvest their innovative ideas. Students are motivated to participate in intra and inter college level sports activities. The students are encouraged to participate in blood donation camp and social awareness programme through NSS. Contacts parents/guardians if situation demands e.g. academic irregularities, negative behavioral changes and interpersonal relations, detrimental activities etc. Advises students in their career development/professional guidance. And keeps contact with the students even after their graduation. Intimates HOD and suggest if any administrative action is called for. Maintains a detail progressive feedback of the student. And maintains a brief but clear record of all discussions with students. This helps the academic faculty to follow up the mentee details .

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
791	98	1:8

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
87	89	Nill	2	3

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	Mr.P.PARUTHI ILAM VAZHUTHI	Assistant Professor	Got Patent
[View File](#)			

2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	103	IV	13/11/2020	11/04/2021
[View File](#)				

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

• **Three practice tests, continuous assessment (CA) tests and a model exam for theory subjects and one model practical examination for practical are conducted in each semester.** • **To find students' understanding capability and written skills in representing the answers and the way suggested for better performance individually.** • **During tests, students are segregated into two different batches according to their performance and coaching given to them in an**

effective manner to clear their doubts and to enhance their speed of learning. • Slow learners are given with important questions and answers and the various ways of recollecting the key points and Fast learners are fine tuned to perform well for university ranks. • Remedial tests are conducted for absentees and failure students by framing new questions. • Students are given with the uncovered portion in the tick list followed by the faculty members for their respective subjects. • During each uploading of internal marks, the marks evaluated from the Class Assessment test and Practice test are taken into account and displayed in the Notice board. To regularize the attendance of the student, internal marks included attendance mark for 85 and above. The mark allotted varies according to the attendance percentage range. • The university allots 80 marks for end semester exams and 20 internal marks. • The class advisors and counsellors carefully monitor the regularity of attendance and performance of the students in internal assessment tests and end semester examinations. • For University examination, university appoints faculty members from different affiliated colleges, which is headed by a senior most faculty, who gives instructions regarding evaluation pattern etc., • However, students' grievance, if any, is forwarded to the controller of examination for rectification, through the Principal. • Faculty members along with the guidance of Principal, takes care of University examination grievances. The grievances are forwarded to the University for Further Process. • Grievances like insufficient data in the question papers, question asked from outside the syllabus, question paper being tough etc. are communicated to the controller of examinations through the web portal on the same day of the conduct of exam by the faculty concerned through the HoDs concerned and the Principal for necessary action. • A candidate can apply for revaluation of his/her semester examination answer paper in a theory course, within two weeks from the declaration of the results, to the controller of examination through the Principal. • The University provides the students with an option of obtaining photocopy of their answer sheets after the declaration of results. • The student can review his/her answer sheets and apply for re-evaluation on the recommendation of the subject handling faculty. • If a student is not satisfied with revaluation results, they can go for a challenge with the recommendation by the head of the department wherein their answer sheets will be evaluated once again. • Challenge evaluation fee is reimbursed by the University to the students in case of improvement in the grades in comparison to the first evaluation.

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

• Basic eligibility for evaluation process is made known to students through university website and class counseling. • Institute also notifies the criteria for allocation of marks through notices and class counseling. • Continuous assessment schedule is available in the college calendar itself. • At the beginning of every academic year, faculty members and students are given with a handbook consisting of academic calendar, different programs offered, college rules for class and Attendance, Library rules, Reprographic facility, Scholarships, Hostel Rules and other facilities etc., Various service details such as canteen, banking and Health also given within it. The various college committees with its members also given. • The code of conduct for individual is given in this book and teachers are expected to adhere to them strictly. Teachers are expected to be role model to students and hence they lay the foundation for professional ethics in students to mold them into responsible citizens. • Continuous assessment report and internal marks for all the courses is displayed during every period of Anna university upload. • Staff meetings are conducted periodically to review the evaluation process and remedial action taken are discussed and recorded in minutes of meeting. • The students are made aware of the evaluation procedures including, internal mark calculations,

revaluation and challenge valuation, examination pattern of college and the university, well in advance through circulars as well as information printed in the college calendar. • Based on the academic calendar, year plan and semester plan for the year is prepared at the college level and communicated to the faculty and students through the HoD concerned. • Appointment of coordinators, class in-charges and class counsellors for effective monitoring of the academics • Appointment of Committee convenors and committee members for the effective monitoring of institution • Academic calendar of the Institute includes schedule of curricular activities, assessment dates, technical events, class tests, dispatching of test papers, submission of mark lists, Reopening date of the semester, Last working date of the semester, list of holidays and extracurricular activities. • Conduct of Internal Tests, Model Exams, Class Committee Meeting, Value added courses for the students to fill the academia and industrial gap. • Conducting Tutorial hours for analytical subjects, Bridge course for the First Year and Lateral entry students • Guiding and motivating students to do innovative projects • Arranging in-plant training for the students to have industry interaction • Conduct of tech-club activities like seminars, quiz and group discussion during the last hours every day to help the students towards placement • The detailed lesson plan / teaching methodology as suited to syllabus is prepared by each faculty before start of the semester. The lesson plan comprises of content, learning aid and methodology, faculty approach and course outcomes. The lesson plan generally highlights the content and total lectures for completion of the curriculum. • Classroom teaching by giving lectures with discussions, chalk talk, PPTs, group discussions, quiz, seminars, visual aids, models, videos, NPTEL course materials etc.,

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://vrscet.in/wp-content/uploads/2021/08/2.6.1-POPSO-1.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
103	BE	CIVIL	31	10	32.26

View File

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://vrscet.in/wp-content/uploads/2021/08/2.7.1.-student-satisfication-survey-1.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
Any Other (Specify)	180	Funded Student Project by Tamil Nadu	0.08	0.08

		State Council for Science and Technology (TNSCST)		
Any Other (Specify)	14	All India Council for Technical Education (AICTE) sponsored FDP	6	6
[View File](#)				

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
Seminar on Future Technologies in Industries	ECE	24/07/2019
Workshop on Career Awareness	ECE	24/10/2019
One day workshop on Audio Amplifier Product Design	ECE	27/09/2019
Seminar on Industrial Technologies: Opportunities and Challenges	ECE	27/02/2020
Webinar on Futuristic Opportunities in Green Communication	ECE	19/06/2020
Workshop on Life Skill development	CIVIL	12/07/2019
Seminar on Modern Construction Techniques	CIVIL	06/08/2019
Workshop on Advancement in Civil Software	CIVIL	20/12/2019
Workshop on Tekla Software	CIVIL	28/01/2020
National Level Technical Symposium, SMEATON'20	CIVIL	21/02/2020
Webinar on Industry 4.0 and Digitalization in Construction	CIVIL	16/06/2020
Seminar on Employability Skills in Industries	EEE	09/07/2019
Seminar on Industrial Needs and Challenges	EEE	22/02/2019
Webinar on Solar Wind Hybrid System Design and Sizing of Essential	EEE	22/09/2020

Components"		
Seminar on Recent -Opportunities Challenges Impacting Business Globally	CSE	14/08/2019
National level technical symposium TechRaz-19	CSE	04/10/2019
Two days intensive workshop on "Smart Phones service Training"	CSE	14/10/2020
Seminar on "Career opportunities and preparation	MECHANICAL	06/09/2019
Workshop on "CAD/CAM"	MECHANICAL	06/06/2019
National level technical symposium	MECHANICAL	19/09/2019
AICTE Sponsored Two Weeks FDP on Challenges and Opportunities Bio-Materials Research	MECHANICAL	09/12/2019
Online webinar on Bio-Materials for Hip Implant	MECHANICAL	15/06/2020
Webinar on Employability Skills for the future in Industry 4.0	ALL DEPARTMENTS	30/05/2020

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
Automated Vegetation Mapping approach of Crops through Satellite image fusion and Convolution Neural networks-based classification	Mr.N.Gobinathan	Intellectual Property, India	02/04/2020	Patent Right
Smart Scheduling Method for Low Energy Consumption in Wireless Sensor Network	Mr.P.Paruthi ilamvazhuthi	Official Journal of the Patent Office (INDIA)	24/01/2020	Patent Right
19th ISTE Students Convention 2019	Ms. B.Deepika, IV Year, ECE Student	ISTE	19/12/2019	ISTE Chapter Best Student Award for the year 2019
[View File](#)				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nill

No file uploaded.

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
4	0	2

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

Name of the Department	Number of PhD's Awarded
NIL	Nill

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	ECE	8	Nill
International	CIVIL	3	Nill
International	MECHANICAL	2	Nill

View File

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
NIL	Nill

No file uploaded.

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
IoT Enabled Intelligent Irrigation System Using Sensors	Mr.V.Thiyagarajan, Mr.G.Sadiq Basha	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2019	Nill	V.R.S College of Engineering Technology	Nill

View File

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

Title of the	Name of	Title of journal	Year of	h-index	Number of	Institutional

Paper	Author		publication		citations excluding self citation	affiliation as mentioned in the publication
IoT Enabled Intelligent Irrigation System Using Sensors	Mr.V.Thiyagarajan, Mr.G.Sadiq Basha	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2019	Nill	Nill	V.R.S College of Engineering Technology
[View File](#)						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	30	388	Nill	Nill
[View File](#)				

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood donation camp on 02.08.2019	Govt. Primary Health Centre Hospital, Iruvelpet.	5	86
[View File](#)			

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Activity: Protecting our Environment Village: Arasur	Certificate of Recognition	Lions club International	45
[View File](#)			

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
JAL SHAKTI ABHIYAN	Govt. Primary Health Centre Hospital, Iruvelpet.	Awareness about Renovation of traditional and	5	734

		other bodies / tanks, Reuse and Recharge structures, Watershed development, Intensive afforestation and Home rain water harvesting.			
		View File			

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
National Level Technical Symposium - ELCOMEET-2020	Students	ELCENA - Electronics Communication ENgineering Association	1
View File			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Workshop on Deep learning using Matlab	Workshop	Pantech Solutions, Puducherry	11/08/2019	11/08/2019	students
View File					

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
Telecommunications Consultants India Ltd.(TCIL) - Puducherry.	24/07/2019	Workshop, Seminar, Inplant training, Industrial Visit, Research projects, Product development support, Placement oppourtunities	102
Rubicon, Chennai.	25/10/2019	Training the students for placement	245

View File

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
3.08	3.08

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Nill	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
Palpap	Fully	Nill	2013

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	29582	1996785	Nill	Nill	29582	1996785
Reference Books	2123	1433025	Nill	Nill	2123	1433025
e-Books	2683	13570	Nill	Nill	2683	13570
e-Journals	240	13570	Nill	Nill	240	13570

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
Mr. B. Selvasarthy	E 8394 - Fluid Mechanics and Machinery	Windows	15/07/2019
Mr. C.Subramanian	ME 8593- Design of Machine Elements	Windows	15/07/2019
Prof.J.K.JothiKalpana	CS8491-Computer Architecture	Windows	15/07/2019
Mrs.A.Nirajana Devi	CS8603-Distributed Systems	Windows	15/07/2019
Mr.S.Arun	EE 8351 - Digital	Windows	15/07/2019

Pandiyan	Logic Circuits		
Mr.M.B.Annadurai	OMD551 – Basics of Biomedical Instrumentation	Windows	15/07/2019
Mr.A.Kumar	CE 6701- Structural Dynamics and Earthquake Engineering	Windows	15/07/2019
Ms.P.Jayanthi	CE 6713 -Estimation and Quantity surveying	Windows	15/07/2019
Mr.G.Sadiq basha,	EC6701 RF and Microwave Engineering	Windows	15/07/2019
Dr.J.Joseph Ignatious,	EC8391 Control Systems Engineering	Windows	15/07/2019

[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	296	0	0	30	11	12	243	200	0
Added	0	0	0	0	0	0	0	0	0
Total	296	0	0	30	11	12	243	200	0

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

200 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Smart classrooms	http://vrscet.in/wp-content/uploads/2020/12/4.3.3.-Facility-for-e-content.xls

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
3.08	3.08	63.07	Nill

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The college has Maintenance Committee headed by the Management

Representative/Principal that looks the entire maintenance of buildings, classrooms and laboratories etc. The College has established systems and procedures for maintaining and utilizing physical, academic and support facilities through the following committees' 1.General maintenance committee 2. Furniture maintenance Committee 3. Games and Sports Committee 4. Library committee 5.Transport committee. The General Maintenance committee is also supervised by the Accounts Officer, Assistant Management Representative and estate officer who in turn monitors the work of the Estate office at the next level. The estate officer is accountable to the accounts officer and functions as the coordinator who organizes the workforce, maintaining duty files containing details about their individual responsibilities, timings, leave etc. The Assistant Management Representative conducts periodic checks to ensure the efficiency / working condition of the infrastructure. Adequate in - house staff is employed to meticulously maintain hygiene, cleanliness and infrastructure on the campus so as to provide a good learning environment. The above committees verify the equipment or facilities with stock register and suggest any kind of suggestions to improve the facilities and submit the report to the Principal for further review with the concerned departments The Classrooms, Staffrooms, Seminar halls and Laboratories, etc. are cleaned and maintained regularly by sweepers as per scheduled time for each floor. Wash rooms and rest rooms are well maintained and also monitored on each floor by Non-teaching/Lab assistant. Dustbins are placed in every floor with the word of 'USE ME' and it is cleaned by once a day. The Green Cover of the campus is well maintained by a full time gardener. The normal working condition of all properties/equipment/Machinery on the campus is ensured through daily maintenance, weekly maintenance, monthly maintenance and annual maintenance contracts (AMC). The AMC purview includes maintenance of A.C. Transformer, Generators, Air Conditioners, computer accessories, UPS, batteries and Water Purifiers. The campus and Laboratory maintenance is monitored with Proper inspection is done with verification of stock takes place at the end of every year by conducting annual stock auditing with the help local trained auditors. Estate officer and his team are involved in the maintenance of infrastructure facilities. This team looks after the regular maintenance of civil works such as furniture repairs, masonry and plaster works, painting, carpentry, plumbing and house-keeping. The Estate office workers look after the maintenance of rest rooms, approach roads and neatness of the entire premises. Housekeeping services are regularly executed and monitored. The control of Central library books, department library books and records are maintained by Chief Librarian with their non-teaching members. The stock verification is done every year by the maintenance department. Book preservation process is being carried out periodically. The identified damaged books will be sent for binding. Regular Electrical Maintenance of Transformer, Generators, UPS, Batteries and Fire extinguisher, Transport maintenance and Computer maintenance has been carried out.

http://vrscet.in/wp-content/uploads/2020/12/4.4.2-Procedures-and-Policies.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	Economically Weaker Section (Provided by VRSCET Management)	24	72000
Financial Support from Other Sources			

a) National	Central Sector Scholarship Scheme	6	60000
b)International	Nill	Nill	Nill
[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
Guidance for competitive examinations	06/02/2019	791	Training and Placement Cell, VRS college of Engineering and Technology
[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	Competitive Examination	207	207	10	Nill
[View File]()					

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
2	2	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Eureka Forbes Limited, Chennai	70	35	CADD SCHOOL,CHENNAI	32	8
[View File]()					

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to

| 2019 | 1 | BE | MECHANICAL | THANTHAI PERIYAR GOVERNMENT INSTITUTE OF TECHNOLOGY - [TPGIT], VELLORE | Master of Engineering |

[View File](#)

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

Items	Number of students selected/ qualifying
Any Other	Nill

No file uploaded.

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

Activity	Level	Number of Participants
Runner - Chess	National	1

[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
2019	Runner - Chess	National	1	Nill	42271711 4030	T.Dhinak aran, III MECH

[View File](#)

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

Students have active representation on academic and administrative bodies and committees of the Institute. The students' councils provides an opportunity for students to develop their leadership skills through active participation in college administration and students collaboration. The student council is expected to perform following functions: 1. Organizing cultural activities and sports activities for students. 2. Communicating problems faced by students to Principal and management of college. 3. Maintaining discipline in college campus. 4. Participation in extension activities like Awareness Rallies, Blood Donation etc. 5. They give their suggestions for purchase of books, magazines for library. The committees are as follows: Class Committees All programmes have class committees for each course that comprise of the Head of the Department, Chairperson, Class adviser, faculties other than the course teachers, student members representing meritorious as well as weak students. The Committee will review the academic activities, progress and improvement plans of all subjects of all semesters. The committee will discuss the academic related issues including conduction of classes, question paper pattern and students grievances. The Class Committee chairman provides feedback on all aspects of the programme / respective course and general expectations. Class Committee Meetings are held regularly, at least twice in each semester. The remedial actions will be conveyed to the respective in-charges and the

reasonable expectations will be fixed within a week. Professional Bodies The ISTE professional body is functioning well and the student representatives actively participate by conducting carrier development programmes, seminars, etc in coordination with the faculty members. Cultural and Sports Committees Students have representations in all cultural and sports games committees and help in organization and management of events. The institution conducts annual cultural fest, First year Inaugural functions, and Traditional festivals through Cultural committee. The sports committee comprises four houses names Trishul, Prithvi, Brahmos, Agni having students as Captain and Vice-Captain. The students will help the faculty in charge in organizing the events. NSS Committee Students' contribution to the society is significant and VRSCET students always show their concern in this regard. There is a NSS unit in the institution and volunteers of this committee will organize programs like NSS Special Camps, Blood donation, Awareness programmes and Rallies etc. Women Grievance Committee Any type of Women Grievances regarding common facilities or academic related issues will be brought to the notice of the concerned by the student members of this Committee. Regular interactions are scheduled through meetings. If any grievances are reported, then faculty member who is the Coordinator of this committee will bring it to the notice of higher authorities. Further, the matter will be resolved soon through follow ups. Hostel Administration Students provide strong support in the administration and management of hostel affairs. The hostel has student representatives regarding Mess, Cultural, Sports and Cleanliness Committee. Students manage the entire functioning of the cooperative mess and organize extra-curricular events and competitions throughout the year.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Our institution have Alumni Association officially registered in the year of 2019 with two local chapters (Bengaluru and Chennai) in India and one for abroad. Alumni are one of the main stakeholders of the Institution as they contribute immensely to the development of the Institution in multiple dimensions. Alumni of the Institution are providing mentoring services to all department students, this became influential in making the students understand the industry institute gap and also the way to plan and shapeup their career in right direction and making the students to understand various business opportunities and providing all the support required for preparing the students to become industry ready or to make as entrepreneurs by knowing the current dynamics of the industry. The institution is conducting many alumni based events like Reunions, Online virtual meets, Mentoring sessions, Guest lectures and knowledge sharing sessions. During the events, the Alumni are sharing their success stories to the ongoing students. Alumni are influential in introducing the outcome based education in the institution making the students valued based and making students industry ready through mentor-mentee programs. Alumni are invited for bridging the gap between industry requirements and academics by sharing their knowledge and experiences. Alumni are helping to develop quality standards that could be used for enhancing and raising high quality of delivery of educational system. Industry Institute Interaction, sponsorship, mentoring and providing placement assistance. The alumni are regularly involved in conducting pre placement sessions for Under Graduate students. Thus the alumni share with the students, their own on field experience. This help the students to be abreast with current industry requirement and boost their confidence and mold themselves. The Alumni help in the conduct of value added and short term courses. The alumni also judge the certain college events such as intra-college paper presentations, symposium events project exhibitions. Apart from their visits and college Nostalgia meets, the alumni are largely connected with

college through social media platform. The alumni give feedback on curriculum, the recent trends, the job opportunities in specific industry and corporate requirements which are considered for continuous improvement and quality enhancement. Various programs like carrier counselling, linkages, short term courses and extension activities are initiated by the suggestion of the alumni. The alumni assist to arrange seminars and webinars to promote the knowledge and attitude among the students. Alumni Association has been formed and it keeps track of past students' career growth. The passed out students are invited every year to Alumni Meet, Organized during December / January at our College Campus. They have been given facility in the college website to enroll them as member of Alumni Association of our College. Best Alumni awards are being given away to the achievers in the Alumni Meet events. Every year, at the end of Alumni meet events the Office bearers of Alumni association will be elected for the posts of President, Vice President, Member Bangalore Zone Representative, Member Chennai Zone Representative and Member Abroad Representative for the collective coordination of the alumni.

5.4.2 – No. of enrolled Alumni:

56

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

158500

5.4.4 – Meetings/activities organized by Alumni Association :

1

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The Head of the institution, as a leader plays a vital role in the governance and management of the staff members and the available resources to ensure the following: To support decentralization and participative management, with the leadership of the Principal, every committee will be assigned with specific tasks pertaining to the requirements of conducting college functions. Heads of the committees monitor the works. A minimum of two meetings will be held prior to the function in the presence of Principal, HODs and Committee heads. The committees constituted are not permanent for every year. Members are reshuffled for change of committees for different functions. This enables the members getting familiarized with any kind of activities related to any function. The conduct of functions fosters relationship and nurture unity. Regularly with the effectiveness of various bodies/cells/committees, we had successfully conducted graduation days, annual days, Alumni Association function etc., Practice1: ALUMNI MEET-202 First Principal discussed about the schedule of Alumni meet-2020 and duties and responsibilities with Alumni Association Convenor and members for successful conduction of Alumni meet 2020 and the circular is circulated to all the department faculty members. Details of Program: o Alumni meet 2020 was conducted on 9th January 2021. o Due to pandemic, Alumni meet-2020 was planned to conduct through online .The invitation was sent to alumni's email and whatsapp number and informed to register through online to confirm their presence , one month before the commencement of the Meet. o The function started with welcome address of the Principal, followed by Alumni report of the Convener.Then a speech is given by the chairperson, Tmt.Vijayamuthuvannan . Principal thanks the Alumnis for their moral support in helping the welfare of the students. o Then Alumnis share their experiences with everyone and at the end of the Meet, student Representative was elected

zonewise. The feedback forms were given and the filled feedback forms were maintained by the Alumni Association committee. Practice2: QMS IMPLEMENTATION COMMITTEE • With the leadership of the Principal, to ensure effective and smooth functioning of college activities, various committees are formed. The duties and responsibilities of each committee are well defined and every year, they are explained / reiterated to remind their commitments. • Every year QMS Implementation committee scheduled Annual stock audit for all laboratories. The scheduled duration and the auditors are assigned by Management Representative of QMS committee. The circular for list of auditors and the lab to be audited was circulated to all the departments. • Auditors have to contact their lab in-charges for fixing the convenient time of stock auditing in these days. All HODs and Lab in-charges are instructed to present without fail on these days. All the consumable and non consumables in the laboratories should be checked as per the stock register and submit the report to Principal. • All the records should have been completed and produced at the time of auditing. For further clarification, staff members may contact Asst. Management Representative.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Human Resource Management	Strategy Type: Strategy for Students Placement Details We help /guide the students to know their own field of specialization or career domain by conducting interactive career guidance programmes. Further, each department organizes add on skill development programmes, Vocational Educational Training, Certificate Programs, symposiums, conferences, seminars, workshops, mini and major project contests to improve their knowledge in their respective domains and to transform them as industry ready professionals. To establish healthy Industry-Institute partnership for providing In-plant training, Industrial visits, internship Placement Opportunities to students, it is signing Memorandum of Understanding with many Industries. In addition to the above career counseling and personal counseling is given to each students by the respective counselor. These practices has been significantly improved the number of placements in Tier-1, Tier-2 and Tier – 3 companies in the last five years.
Teaching and Learning	Strategy Type: Activity Based Teaching Strategy Details Faculties are encouraged to take classes based on Wipro Mission - 10X teaching learning methods as all the faculties trained by

Wipro Mission – 10X team on innovative teaching methods. The faculties will be preparing lesson plan mentioning the activity details for each session. The main activity includes quiz, analogy, summarization, debate, Collaborative Virtual Classrooms, Mind mapping, Brainstorming, Role Playing and Case Study etc. This method ensures active participation of students and students learning outcomes are satisfactory. The students able to perform well in the Anna University examinations as well as placement interviews.

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

E-governace area	Details
Planning and Development	1. Planning and Development • To use ICT in the process of planning college-events and activities, institute uses personal e-mails . • Important notices and reports are also circulated via Whatsapp group. • E-governance is the integration of Information and Communication Technology in all the working processes of the system. • It aims to minimize the manual efforts and improve the communication, create transparent system, and to be cost and time effective. • To facilitate the same college is using Palpap software with Student, Examination, Finance Account,Employee,Library Modules.
Administration	2. Administration • The college has Biometric attendance for teaching and non-teaching staff. • ICT has been introduced in the Administrative work. • College staff uses smartphone with inbuilt social app like Gmail to communicate. • WhatsApp Group helps to provide the brief notices of any event to be happened on college. • WhatsApp Groups are also used for awareness and of smooth functioning of the same.
Finance and Accounts	3. Finance and Accounts • With the aim to produce immediate information in finance and Accounts i.e."Single Click Accounting", this section of College is partially e-governed. • The college uses the Tally ERP 9.0 for the transparent functioning of Accounts department. The same software is used to generate various reports like Consolidated Day Book General Day Book Daily Cash Collection report.
Student Admission and Support	4. Student Admission and Support •

	Student admission for the year 2020-2021 is partially implemented online. The Palpap software is developed so as to fulfill the need of Student admission and Support. • As students submit printouts and required documents at respected counters. The software is also used for student support like issuing Transfer Certificate, Bonafide certificates. Admission Forms, Issue of ID Cards through the Palpap software.
Examination	To achieve Paperless communication between Exam and other departments , Examination section uses Palpap Software . Using Palpap software, generate various reports like • To generate seat Numbers , Hall-Ticket, F.Y results, • To generate class wise roll call list for all classes, student fees Records. • Print the exam seat number wise List. • Seating Arrangement for University Exams.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	NIL	NIL	NIL	Nill

No file uploaded.

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	Webinar on Amazon Web Services	Nill	31/10/2020	31/10/2020	20	Nill

View File

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration

Workshop	5	20/07/2020	22/07/2020	2
		View File		

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
89	89	83	83

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. To ensure the comfort travel of all the teaching staff, VRSCET provides free transportation. 2. Highest pass percentage producing faculty member in each section shall be appreciated with gold ring worth Rs.7000/-. 3. Highest percentage between current and previous semester results giving head of the department shall be appreciated with gold ring worth Rs.7000/- and progressive result producing head of the department shall be appreciated with gold ring worth Rs.7000/- 4. Faculty members who have published papers in reputed National and International journals shall be awarded with cash prize of Rs.2500/- and Rs.5000/- respectively. 5. All Faculty members shall be assigned with five students, who have single to five arrears respectively for mentoring and motivating them to clear all their arrear and regular papers in single attempt in University Examinations. By continuous monitoring, if a staff member makes all five students pass, then he/she shall be awarded Rs.2500/- and if four students pass, then	1. To ensure the comfort travel of all the non-teaching staff, VRSCET provides free transportation. 2. Marriage gifts and mementoes with the sanction of 10 days leave. 3. Special study leave to pursue higher studies. 4. Incentive for attending orientation program, workshops and conferences. 5. Dress materials for housekeeping staff. 6. 1 lakh group personal accident insurance provided for non-teaching staff members. 7. 10 days' vacation leaves for nonteaching faculty members. 8. The non-teaching staff shall be eligible for 1 day of Casual leave with pay every month. 9. All women members of nonteaching staff are given maternity leave for a period of three months with salary. 10. Biometric Attendance system is implemented for all non-teaching faculty members. 11. Parking facilities for nonteaching staff.	1. The students who have passed the semester examinations in the first attempt shall be appreciated in the form of Appreciation certificate. 2. The students who have scored first and second marks in the University examinations in each class shall be appreciated with Gold and Silver medals respectively and appreciation certificates in the Annual day function. 3. The students who score first and second mark in their course shall be appreciated with Gold and Silver medals respectively in the graduation day. 4. The students who score more than 90 of marks in Anna University examinations shall be awarded with Gold ring worth Rs.7,000/- 5. Students who win in paper presentation/project exhibition in national and statelevel symposiums/exhibitions shall be awarded with cash prize of INR.1000/-and INR.500/- respectively. 6. Students who win in paper presentation/project exhibition in national and state level symposiums/exhibitions conducted by other

he/she shall be awarded Rs.2000/-. 6. The College shall contribute 12 of the pay subject to the ceiling of Rs 1800 per person, towards the Employers contribution to the EPF Scheme. 7. Marriage gifts and mementoes with the sanction of 10 days leave. 8. Gifts to teaching staffs' on their birthday. 9. Faculty members those who are attending workshop, conference and FDPs are sponsored by the institution.

10. Additional increment is given if the Faculty member clears UGC-NET or gets Ph.D. awarded.

11. 1 lakh group personal accident insurance provided for teaching staff members.

12. Special study leave to pursue higher studies.

13. 45 days' vacation leave is given to the teaching staff.

14. 22 days On-Duty is given per year to attend valuation, exam duty, workshop, conference and Faculty Development Programs.

15. The teaching staff shall be eligible for 1 day of Casual leave with pay every month.

16. All women members of staff are given maternity leave for a period of three months with salary.

17. Biometric Attendance system is implemented for all the teaching faculty members. 18. Parking facilities for teaching staff.

19. All the

colleges, shall be awarded with cash prize of half of the amount of their prize amount respectively. 7. A book bank section is functioning in the library for the benefit of SC / ST students who are receiving government of India post – matric scholarship. 8. Every year economically weaker students are getting scholarship through economically weaker section cell of our college. This scholarship is given to two students of each class irrespective of their caste, creed and religion. 9. College administration is taking care of applying, receiving and distributing various scholarships to the eligible students, namely i. First graduate from first generation fee reimbursement scheme. ii. BC / MBC post matric scholarship iii. SC / ST post matric scholarship iv. SC / ST Free education scholarship v. SC / ST higher educational special scholarship vi. Tamil Nadu Agricultural laborers, Farmers social security scheme – 2006 scholarship vii. CM Award scholarship for SC / ST viii. Tamil Nadu minorities merit cum basis scholarship. 10. College is providing free bus transportation for SC / ST students. 11. Best All Rounder award shall be given every year to the best outgoing student

employees of the Institution are provided with interest loan facility once in a year.		in appreciation of his/her outstanding performance.

6.4 – Financial Management and Resource Mobilization

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

Internal and External auditing based on ISO 9001: 2008 framework are regularly conducted to improve the process followed. External auditors have examined and certified the balance sheet , the income and expenditure or profit and loss account for the every year, attached here with of S.P.S. EDUCATIONAL TRUST AAGTS9197J. The agreement with the books of account maintained by the head office at ARASURTAMILNADU and branches. The Trust is registered u/s.12AA(b) of the Income Tax act 1961 before commissioner of Income Tax Pondicherry vide his order in C.No.9165E(1019)/CIT/PDY/2008-09 The Trust is got approval from the chief commissioner of Income Tax – VI, Chennai u/s.10(23)(c)(vi) of Income Tax Act 1961 vide his order No.F.No.HQ 30(19)/07-08 dated 25.03.09 Institute carries out internal and external audit of funds provided by various funding agencies on regular basis. A utilization certificate is thereby provided. External audit and Internal audit is conducted once in a year. External audit is done during the month of December and Internal audit is done during the month of June every year. Internal Audit is performed by officials deputed from Trust office periodically and the reports are obtained before conduct of the external audit which is normally done after the closure of the accounts in all respects. External Audit is done by the Statutory Auditors during the December month of the subsequent year. During the course of Internal Audit, all required steps are taken to regularize the accounts and to obtain confirmations for the credit balances, to collect documentary evidences wherever inadequate in respect of payments, compliances of T.D.S. (Tax Deducted at Source) and Statutory Formalities and Reconciliation of Unit wise balances with the Control Accounts and Bank Reconciliations. The copy of the Internal audit report covering all matters related to maintenance of accounts is preserved. Subsequently, External Statutory Audit is conducted by the auditors and the final audit report with audit findings are submitted to the Management. The consolidation of the findings of the Institutions with Trust Central office has been completed and the annual returns have been submitted through e-filing and to the other relevant authorities concerned. During the Last five years, various internal and external audits have been carried out with the mechanisms for settling audit has no objection insisted by the external auditors. In the beginning of every academic year, the budget is prepared by various departments and sections in the prescribed format as per the circular issued by the Principal. Budget for the departments is prepared by concerned HODs, in consultation with the department laboratory in-charges and other faculty. The departmental budgets are discussed by the Principal at HODs meeting and then sent to the management for approval. While preparing the institutional budget, a provision is made for salaries and allowances. Next, a provision is made for administrative and maintenance expenses such as electricity, water, etc. Then, while making provisions for the departments need and requirements of various committees and development / up-gradation of department is considered. There are well-defined policies and mechanism for implementing the budget effectively.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NIL	0	NIL

No file uploaded.

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nill	Yes	IQAC Audit members
Administrative	No	Nill	Yes	IQAC Audit members

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

1. Parent and Teacher meet and communicate about the performance of their wards in the different tests/exams taken by the college and especially for university results and Placements 2. Class assessment test results are intimated to the parents by post within a week of completion of all subjects along with attendance percentage till that duration. 3. Parents are informed with acknowledgement letter when the attendance percentage of the student is below 75 during every CA Test Report submission. 4. During any misbehavior of students or in the case of poor performance parents are intimated to come to college and meeting with counseling staff and HOD. 5. During study holidays, students are encouraged to prepare for university exam and monitored through phone calls by the faculty members with their parents. 6. Class advisor monitor the attendance of their class daily and convey the absentees of their class to their parents on that same day and the report is recorded.

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

1. Workshop on Career Awareness 2. Workshop on Life Skill development 3. Two days intensive workshop on "Smart Phones service Training"

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

Based on NAAC Cycle-2 Peer Team Report, Recommendations for Quality Enhancement of the Institution is listed out below: • Strategy to improve UG and PG admissions. New strategies had been planned to improve UG and PG admissions in each courses. • The college may introduce short-term innovative, need-based skill development certificate courses for rural population. The college has been planning to introduce short-term innovative, need-based skill development certificate courses for rural population. • The institute has fully equipped language lab with latest software which may be utilized after the college hours to improve the communication skills of students. To improve communication skills of students, our institute has been implementing the fully equipped language lab with latest software are utilized after the college hours. • Undertake consultancy activities in all departments to improve internal revenue generation. Consultancy activities in all departments to improve internal revenue generation have been undertaking. • Use of ICT in teaching, learning and evaluation processes need to be strengthened. Making use of ICT in teaching, learning and evaluation processes has been improving in all departments. • Experienced research oriented senior faculty may be recruited and all non-PhD faculty members must be encouraged to pursue Ph.D. Management encouraging research scholars and all faculty members to pursue PhD by providing on-duty during their course works and general visit regarding their research works. • More placement opportunities and training for competitive

examinations like GATE, UPSC, PSUs etc. need to be provided to students. Training for competitive examinations has been providing to the students in every courses. Offering training and placement for final year students in each departments. • The college should adopt good approach for mobilization of funds and financial resources. The college has been planning to adopt good approach for mobilization of funds and financial resources. • The IQAC should be strengthened. The IQAC conducting regular meeting with the members regarding the growth of our college. • Measures to be taken for full automation incubation centre to be established. As soon as measures to be taken for full automation incubation centre to be established. • Alumni association activities be aggressively increased. Alumni association activities has been improved, our alumnus are invited to interact with our currently studying regular students, to visit their corresponding departments, to interact with their teaching and non-teaching staff, to visit their laboratories, to know about placement related training program, to know about the details of placement companies, to know about newly conducting value added programmes, to know about the methodologies of existing academic activities, to advice and know the expectations of students, to explain the recent trends in market, to explain how tough to face the world, to

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	Nill

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
2020	I/2020/ETM-Effective Time Management	01/12/2020	25/11/2020	01/12/2020	148

View File

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
Science and Information Technology of Women	02/12/2020	08/12/2020	161	301
Issues and Problems of Women in India	25/11/2020	01/12/2020	161	286
Women's Empowerment in the Indian	17/02/2020	21/02/2020	170	477

Context				
Awareness program on Women safety and Respect	10/02/2020	14/02/2020	165	469
Role of Non-Government Organization in Women Empowerment	20/08/2019	28/08/2019	148	485
Gender equality and women Empowerment	13/08/2019	19/08/2019	156	467

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
The Percentage of annual power requirement of the Institution met by the renewable energy sources such as Solar is 5.87

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	12/07/2019	1	JAL SHAKTHI ABIYAN – Water conservation campaign	Awareness on Renovation of traditional and other bodies and Reuse and Recharge structures	734
				[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)
Staff and Student Handbook	Nill	At the beginning of every academic year, faculty members and students are given with a

		handbook consisting of academic calendar, different programs offered, college rules for class and Attendance, Library rules, Reprographic facility, Scholarships, Hostel Rules and other facilities etc., Various service details such as canteen, banking and Health also given within it. The various college committees with its members also given. The code of conduct for individual is given in this book and teachers are expected to adhere to them strictly. Teachers are expected to be role model to students and hence they lay the foundation for professional ethics in students to mould them into responsible citizens.
Human values and Professional ethics related course	Nill	As per the syllabus prescribed by Anna University Chennai. The institute conducting courses related to Human values and Professional ethics for II year, III year and IV year of all discipline of Engineering. The subjects are Environmental science and Engineering, Professional ethics in Engineering and Principles of Management

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence day	15/08/2020	15/08/2020	127
[View File](#)			

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

Usage of Bicycles Bicycling significantly reduces transportation emissions while also reducing traffic congestion and the need for petroleum. We encourage the students in and around the institutional zone to prefer bicycles than two wheeler to maintain a pollution free zone.

Public transport College transportation facilities are used to commute. As our

institution is located in the national highway it facilitates easy mode of transportation through frequent route buses. Free buses are arranged for students who board nearby Arasur and madapattu stop which is 1.5km away from the campus. Students of scheduled caste and scheduled tribe can commute through college bus at free of cost as per government norms.

Usage of Pedestrian friendly roads The roads inside the campus as well as the approach roads are provided with wide sidewalks. Further trees line these sidewalks thereby providing shades. The security personnel regulate the traffic during rush hours. The buffer zone of trees or parking also increases pedestrian safety. A pleasant walking environment with sidewalks, attractive landscaping is steps toward encouraging students choose transits.

Plastic free campus Plastic Free institution is a awareness that is initiated to the students measurably to reduce plastic pollution on college campus, with a special focus on the reduction and ultimately the elimination of plastic bottles, plastic straws and utensils, and plastic food packaging in the canteen.

Paperless office Except the documents like statutory approvals, agreements, account statements and others dealing with legal matters only electronic documentation is maintained. All communications to faculty members and students are through e-mails and SMS. A separate group has been created for staff members in WhatsApp through which all information and circulars related to academic work will be delivered whenever needed.

Green landscaping with trees and plants Greening the campus is all about sweeping away wasteful inefficiencies and using conventional sources of energies for its daily power needs and correct disposal handling. Our institute has worked out the time bound strategies to implement green campus initiatives. These strategies are incorporated into the institutional planning and budgeting processes with the aim of developing a clean and green campus. The institute is a Green campus, plush, serene, with landscaping. The students and faculty are encouraged to plant more trees and making the campus garbage and plastic free zone. Before the establishment of our institution, this place was merely a drought area. And once after undertaking this place we have filled the environment with approximately 30 types of trees. The reason behind the built-up of such eco-friendly environment is the use of organic manure and ample supply of water. Many kinds of shrubs and flowering plants are maintained surrounding the pathways. Grass lawns are well maintained which helps in improving air quality, acts as pollution filter, reduces heat, recreation and sports etc. The Illumination and Ventilation in classrooms are adequate considering natural light and complete aeration. The noise level in the campus is well within the limit. The chimney in the kitchen produces carbon and other carbon pollutants. Regular cleaning ensures carbon neutrality.

Solid Waste Management The primary goal of solid waste management is reducing and eliminating adverse impacts of waste materials on human health and environment to support economic development and superior quality of life. The total solid waste collected in the campus is 30 Kg/day on an average, from tree droppings, cups, paper etc. The waste is segregated at source by providing separate dustbins for Bio-degradable and Plastic waste. Single sided used papers are reused for writing and printing in all departments. Less plastic waste (average 0.1Kg/day) is generated by few departments, office, etc., it is collected and given to the vendor on a regular basis. Metal and wooden waste is stored and given to authorized scrap agents for further processing. The construction materials such as bricks, fine and coarse aggregate, concrete specimen, etc., after being tested in the laboratory is reused inside the campus for pathway purposes. The food waste collected from the canteen is converted as organic manure inside the campus. This is done on daily basis through landfill method. We generate several pounds of solid waste per

consumer, in our institution. These solid wastes are disposed properly so that they don't heap up on the roads. This prevents the foul smell and prevents the breeding of various types of insects and infectious organisms. Such type of preventive measures and proper maintenance gives an aesthetic look inside the campus. These activities are followed on regular basis through proper cleaning and disposal methods.

Liquid Waste Management The collected wastewater is recycled by the process of aeration and also with the help of reeds (types of tall grass - Phragmites australis, Arundo donax, reed mace, Ammophila arenaria). Reed beds are aquatic plant based systems which allow bacteria, fungi and algae to digest the sewage and clean the water. There are two basic types of reed bed - vertical flow and horizontal flow. On combining both the process it gives better results and as such it is been followed. And also we use banana farms which suck and purify waste water. Water treated by this method is reused for irrigation system.

E-Waste Management Electronic equipment's contain many hazardous metallic contaminants, resulting in a variety of health hazards due to environmental contamination. E-waste from labs is properly collected and is given to the licensed recycler, reused wherever possible, donated and sold if possible. The old computers are also exchanged with new computer. Non-working computers, monitors, and printers are discarded and scrapped on a systematic basis. Some parts which are useful for other systems are kept aside for future use.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

7.2 Best practices 7.2.1 Describe at least two institutional best practices. 7.2.1.1 TITLE OF THE BEST PRACTICE: SMART SCORE 7.2.1.1.1 OBJECTIVES OF THE PRACTICE: • To produce very good pass percentage in the Anna University Examinations. • To produce Anna University rank holders in the Anna University examinations. • To transform poorly performing students into successfully passed out engineers. • To transform all students into knowledgeable in their engineering basic principles. • To improve aptitude level of the students. • To be able to understand and analyze the latest developments in engineering world. • To be able to find out the problems/projects, by which the societal problems can be solved. 7.2.1.1.2 THE CONTEXT: • The contextual features are • Subject allotment of faculty based on skill matrix. • Sending the faculty for FDP. • Preparation of teaching learning methodology • Preparation of course file and it contains • Time table • Preparation lesson plan. • Preparation of study materials • Mind mapping • Course Information Sheet • Course Assessment Sheet • Students name list • Target list for special care • Previous year University Question papers • CA Test question papers • Check list for topics coverage • Sample test papers • Consolidated test marks • Preparation/Updation of lab manuals • Calibration of Laboratory equipments 7.2.1.1.3 THE PRACTICE: • Initially the subject allotment to faculty members will be done through skill matrix, by which, the competency of the faculty in each subject is identified and allotted. Faculty of a particular course finds the course objectives and outcomes from the syllabus and start preparations. • Faculty will go faculty development programmes further to equip himself. Faculty will find a suitable innovative teaching learning methodology such as Mission 10X , mind mapping, animation videos etc. to teach the subject. • Faculty has to prepare lesson plan as per the time table. The faculty members have to update the materials with latest informations. The study materials are being distributed to all our students on the first day of every semester. Hence, it ensures that faculty members are well equipped to teach the courses, with which they have been assigned. • As per Anna University's academic schedule, all continuous assessment tests will be conducted. • All faculty members will prepare a checklist for topic coverage of their courses. • Well equipped, updated and calibrated laboratory facilities are enhancing students' practical experience.

7.2.1.1.4. EVIDENCE OF SUCCESS: Our college students had proved their potential and succeeded with University ranks such as 14thrank in 1998, 4thrank in 1999, 1strank in 2001, 12thrank in 2003 and 7thrank in 2004 of University of Madras examinations and 3rd 6thranks in 2008, 19thrank in 2013, 9th, 10th, 36th 41stranks in 2014, 1st, 15th 25thranks in 2015, 5th 8thranks in 2016 10thrank in 2017 and 46th Rank in 2018 in Anna University, Chennai examinations. our students have been placed in companies like TCS, Infosys, Accenture, Cognizant, HCL Comnet, Wipro, Rane Brake Lining Limited, Mitsuba Sical India Private Limited, S.H.Electronics, CSS Corp, Axis global Automation, Sure Soft, KKM Soft, Mascons ECC, CADD Centre, Rifluxyss, Reliance Communication, Soft Square, Axis Global Automation, etc. Students those who participated and won the cash prize in external college events, our management reward them by giving 50 of cash of what they won in other college events. 7.2.1.1.5. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED: The financial back ground of the students disturbs them psychologically in concentrating their studies. Considering their poverty level, even our management allows them to pay their tuition fees in installments. However, they cannot manage the situation and struggle to overcome the academic challenges. So, the staff members have to counsel them frequently. 7.2.2.1 TITLE OF THE BEST PRACTICE: STUDENTS MENTORING SYSTEM 7.2.2.1.1. OBJECTIVES OF THE PRACTICE: • To impart discipline. • To increase the self-confidence of the students. • To improve their communication skills. • To improve exam results. • To encourage for participation in co-curricular and extra-curricular activities • To encourage for participation in technical contests • To give awareness about developments in the world and importance of being updated • To give career guidance in placement, higher studies and entrepreneurship. 7.2.2.1.2. CONTEXT: Under this system 15-20 students are assigned to each of the faculty members in the college as counselor from their first year. Counseling Faculty create a better environment for their students in providing guidance, counseling and advice in any area of life. The progress of the counseling is being recorded in track records of individual students. Faculties who are all working in the institution undergone faculty development program on counseling skills, personality development career building by helix at Yercaud. 7.2.2.1.3. PRACTICE: The counseling faculty closely monitors their student's performance and provides an ongoing support to them. Counseling is done after every CA test and after the University exam Results. They also provide awareness and guidance about competitive examinations and courses required for placements. A counseling faculty encourages the students for pursuing higher studies and encourages entrepreneurship. Each and every detail regarding the student is noted down in their track record book to maintain a hard copy for reference. Frequent counseling sessions help the student in expressing their opinions and problems with ease. Track record books are updated with their results, achievements, certifications, attendance, scholarships and project details. We are also providing special counseling to the students during university examinations. 7.2.2.1.4. EVIDENCE OF SUCCESS: The evidence of success is the percentage of students passed in fiveyears from 2015 to 2020 academic result, number of students placed in the campus recruitment and number of students who got Anna university rank in last five years. After implementing the practice there is an increase in the pass percentage, the number of rank holders and placement record. CASE STUDY Testimony of Ms.N.Maniarasi [Reg.No: 422717103024] [Recipient of Best All Rounder Award 2017 - 2021] I am here as one of the recipient of "Best All Rounder Award" during 2017 -2021. About Myself: I am not familiar about other students who had joined engineering course along with me, Because, I hope that I am not similar to every person.Since I had realistic interest on physics and chemistry from my school days made me to close engineering course. During First Year: In my first year, I gave my full preference to my studies only. On that time, I attended my first college annual day function. I found many seniors receiving awards and prizes over there. Among all the prize, I was impressed by

the All-rounder Award because I found one guy receiving a big trophy. I felt so crazy on that award, it was something pleasant among all award. So I started to know the eligibility of the award, there all my staffs encouraged me and educated me about the award. During Second Year: It was the time to lay my first step to face my challenges to best my qualities. I gone under by my mentor, he tried to pull out my best things from me. He educated me to participate in paper presentations and project expo. Parallel I also focussed on extracurricular activities. All of my staffs encouraged me to give my best in studies.Our Staffs helped a lot to learn basics of civil machineries and construction related activities. During Third Year: We had talked about the final year projects we planned to design our own project in the stream of where we have more interest. Without any delay we have chosen "Planning and Designing of Water Treatment Plant" and also we prepared well on our chosen topic. Surprisingly we won more than 5 external paper presentation and 2 internal paper presentation. We attended internships related to "Construction of Residential and Commercial Buildings with on-site explanations" and "Structural design of RC Elements" . During my sixth semester, I attended NSS special camp organized by our college in Poigaiarasur village. In that camp, we create more awareness to prevent plastic usage and also insist about health awareness to village people. During Final Year: I and my partner decided to do project by our own. During COVID-19 lockdown period, I participated many online programmes conducted by our college like Poetry, Drawing, Photography contests. And I participated in webinar on "Effective Research work using online platform during pandemic like COVID19" conducted by Research cell, DayanandaSagar College of Arts, Science and Commerce, Bangalore.Then at 8th semester, the project work started, we went for searching many new things. I worked out separately to achieve the All Rounder Award. The Result of my hard work, I won the award. I nearly won 5 prizes on paper presentation and 5 on other activities which include Drawing, Photography, Poetry and so on. The truth was all the credit goes for my staffs because they built a platform to show my talents.I really thank them for their encouragement. Now I am selected as "Quantitive Surveyor" in SS group of companies and institutions, Salem. My goal is to become an IAS officer.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://vrscet.in/wp-content/uploads/2020/12/7.2.1.Two-Best-Practices.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

V.R.S. College of Engineering and Technology was established in the year 1994 under the aegis of S.P.S. Educational trust. In 26 years of our engineering educational journey, we produced more than 4571 engineering graduates to the society. The vision of our institution is to improve the socio-economic status of the poor rural peasants by providing opportunities to them to acquire engineering and technical skills. Most of the admitted students are from the economically weaker background, so students depend on scholarships given by the government and education loan provided by the banks. Economically weaker section cell award cash reward of Rs.3000/- during every year annual day celebrations. Group Insurance facility is available. Free transportation is provided for SC/ST and local area students. Students are encouraged to participate in internal and external college events. Students those who participated and won the cash prize in external college events, our management reward them by giving 50 of cash of what they won in other college events. Best all-rounder student award is constituted for the student who is sound in both curriculum and extra curriculum activities. Our college students had proved

their potential and succeeded with University ranks such as 14thrank in 1998, 4thrank in 1999, 1strank in 2001, 12thrank in 2003 and 7thrank in 2004 of University of Madras examinations and 3rd 6thranks in 2008, 19thrank in 2013, 9th, 10th, 36th 41stranks in 2014, 1st, 15th 25thranks in 2015, 5th 8thranks in 2016 10thrank in 2017 and 46th Rank in 2018 in Anna University, Chennai examinations. Placement cell strives hard with confidence to develop employability skills of the students by all means. Students are encouraged to attend the paid internship. As a result of tremendous effort taken by the management to uplift the students and to improve the overall living standard of the students and their families, our students have been placed in various reputed companies. Indian Society for Technical Education, New Delhi has recognized our efforts by awarding Best ISTE chapter award, faculty advisor award, student award and secretary award for the past five years. The library contains 33,065 volumes of books in that 1359 volumes of books exclusively for economically weaker students,71 national journals,553 international journals through DELNET, 2,683 EBooks and 4 Magazines covering all disciplines. The Department of Physical Education is equipped with both indoor and outdoor facilities. Students have performed well in Zonal, State and National level sports and won many medals. Every year alumni meet will be organized during January at our College Campus. They have been given facility in the college website to enroll them as a member of the Alumni Association. Best Alumni awards are being given away to the achievers in the Alumni Meet events. The socio economic status of our passed out students is good in the society by attaining 3 lakh to 15 lakh salary per annum and in the top level management position.

Provide the weblink of the institution
http://www.vrscet.in

8.Future Plans of Actions for Next Academic Year

Future Plans for Next Academic Year (July 2020 –June 2021) • To achieve better ranking among Anna University Colleges, National Institutional Ranking Frame work and AICTE-CII Survey, the areas are to be identified and those are to be strengthened by making SWOT analysis. • Also the steps and the measures are to be taken to achieve A grade in forthcoming NAAC renewal in the year 2024. • Due to the COVID 19 pandemic situation, the e- content facility is to be very much useful to teach students. • All the Faculties are to be encouraged towards making their lesson plans including activities using ICT. Also the faculties are to be encouraged to use Whatsup, facebook and Instagram groups and other online apps for better knowledge sharing. • The Whatsup groups among students and alumni to be created for their better communication and they are also to be invited for career guidance program, training program and contribution of funds. • To improve the teaching and learning process and the optimum resource utilization, the Academic and Administrative audits are to be done by IQAC audit members through online. • More number of MoUs are to be signed with the leading companies for the benefit of students towards carrying their project work and in-plant training. • More number of webinars are to be conducted towards gaining knowledge in the recent areas of research and development. • Faculties are to be encouraged to participate in various online seminar, workshop and FDP. • Faculties are to be given opportunity to pursue Ph.D • Faculties are to be motivated to apply for patents. To encourage student support services • The Online classes, tests and University examinations are to be conducted • • The Online Orientation Programmes/ Exhibitions / festival / Special Days are to be organised for the students. • The Online Symposiums is to be conducted. • The Online seminar and mini project Competition are to be conducted. • The Online Workshops are to be conducted on thrust areas. • Students are to be encouraged to participate in Painting, Poetry, Essay writing, Rangoli and Mehendi Competitions through online. • Higher Secondary students are to be given awareness of Engineering courses and

its specialisation through the whatsup, facebook and Instagram groups. • The Various committees like Women grievances addressal committee, Sexual harassment Committee and Anti ragging committee are to be continuously supported. • Social initiatives are to be undertaken by the students through NSS. • Students are to be encouraged to participate in online Extra-curricular and Co-curricular activities. • Students are to be encouraged to win Prizes in Sports and Cultural activities. • Students are to be given scholarship from the College through Economically Weaker Section. • Students are to be given online training with Aptitude skills, Technical skills and Soft skills. • Students are to be given online training for GATE, UPSC Exams etc. • The Placement interviews are to be conducted through online