Yearly Status Report - 2018-2019

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/2023/07/AQAR2017-18.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/2023/07/Academic-Calendar-2018-19.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Validity Period To
1	**B**	**2.33**	**2014**	**21-Feb-2014**	**20-Feb-2019**

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
Team Management Skills	**12-Sep-2018**	**201**

	6	
Making of Digital India	13-Sep-2018 6	274

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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
ECE	Final Year Project	TNSCST	2019 120	7500
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View Link](#)
10. Number of IQAC meetings held during the year :	**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 Uploaded File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

• **Adopting good approach for mobilization of funds and financial resources** • **Strengthening of IQAC** • **Setting up of full automation incubation center** • **Alumni association activities be aggressively increased** • **Improvement of extracurricular activities.**

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

Plan of Action	Achivements/Outcomes

1. Faculties maintains a tick list for each unit of every subject to ensure that the students studied the major topics.	1. The students were told about the uncovered portion and they covers it during coaching before the university exam.
2. Faculties provides question bank for each unit of the subject.	2. The students were able to concentrate question bank and writes University exam well.
3. Create awareness among students about Entrepreneurship through Entrepreneurship development Programme	3. An Entrepreneurship Awareness Camp was organized for the benefit of the students.
4. Encouraging the staffs to go for higher studies.	4. 11 faculties are pursuing Ph.D. in their fields
5. Faculties are encouraged to publish papers in Anna University Annexure journals.	5. Significant number of papers were published in Anna University Annexure journals.
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Council	**20-Aug-2019**

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	**2018**
Date of Submission	**28-Dec-2018**
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.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

The 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
Sesimic Anlysis of buildings using SAP 2000	–	06/02/2018	21	Employabil ity	Yes
Introduction to PHP	–	03/01/2018	24	Employabil ity	Yes
Practical Training for Design of Power Substations	–	05/02/2018	21	Employabil ity	Yes

| C/C plus plus | - | 02/02/2018 | 24 | Employability | Yes |
| Non Linear Analysis using ANSYS | - | 03/07/2018 | 21 | Employability | Yes |

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Civil	03/01/2017
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil	03/01/2017
BE	Mech	03/01/2017
BE	ECE	03/01/2017
BE	CSE	03/01/2017
BE	EEE	03/01/2017

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

	Certificate	Diploma Course
Number of Students	799	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Critical Thinking Problem Solving	05/02/2019	160
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil	160
BE	ECE	86
BE	CSE	64
BE	EEE	105
BE	Mech	110
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes

Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The feedback system is considered an important tool for counter-checking of the performance indices of departments in every aspect. Although in a semi structured way, various Departments collect feedback on curriculum aspects and courses from different stakeholders such as the students, alumni, faculty, and employers in order to ensure and analyze academic excellence. A periodical analysis is made by Department for student performance, faculty performance in every semester, utilization of infrastructure, and requirements for quality enrichment. Students feedback are obtained during classes, personal meeting. Feedback from teachers is obtained through brainstorming sessions on curriculum aspects during regular meetings. Employers Feedback is obtained via personal meetings. Parents Feedback is obtained during their visit to the department. Alumni Feedback obtained during annual meetings of the Alumni Association, and their informal visits to the departments, in which feedback from industrial management, R and D establishments, and professionals is received. All feedbacks are being discussed in departmental meetings for necessary implementation. The feedback process involves a dedicated and comprehensive meeting of teachers, alumni, and student representatives in which it is thoroughly discussed that what are areas in which attention needs to be paid, what are the areas in which the department has excelled. This discussion has proceeded in the individual perceptive context of the Teachers, Alumni, and Student representatives. Then the inculcation is done on the outcomes of the feedback and a future plan is made for the eradication of problems that originated. Feedback from the alumni is focused upon the need for extracurricular programs which are beneficial for post-graduate job opportunities. The feedback of students is majorly focused upon the better understanding of subjects, interaction with faculties. The feedback of teachers is focused upon the involvement of students in studies and co-curricular and special focus group students who are not able to cope up with the learning pace of other students. VRSCET obtains formal feedback from the Departments through course contents, teaching pedagogy faculty preparedness, continuous evaluation of students through results, and the students' feedback for the teaching faculty to the authority about teaching and behavior of the faculty member. Occasionally feedback is collected without identity disclosure, to improve academics and create a congenial atmosphere for both teachers and students. The doors are liberally open for the parents to approach and share their feedback, which is discussed among the teaching faculty and in the Academic/ Administrative meetings. Efforts are being made to maintain transparency, and help significantly in the overall development of university to improve academics, infrastructure, and governance.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	CIVIL	120	24	24
BE	CSE	60	44	44

BE	EEE	60	30	30
BE	ECE	60	30	30
BE	MECH	120	66	66
ME	EST	18	3	3

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	981	3	98	3	101

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	23	39	3	17

[View File of ICT Tools and resources](#)

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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 themregarding 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 behavior 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. Thestudents 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 .our management supports all the staff members and also give guidance for the mentoring system.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
984	101	1:10

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	101	0	18	4

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. G. SADIQ BASHA	Associate Professor	100 Percent Result
2018	Mr.P.PARUTHI ILAM VAZHUTHI	Assistant Professor	International Journal publication
2018	Ms. L. MEGALA	Assistant Professor	International Journal publication
2019	Mrs. T. PRIYADARSINI	Assistant Professor	Seminar
2018	Mr. N. GOBINATHAN	Assistant Professor	Resource Person
2019	Mr. N. GOBINATHAN	Assistant Professor	Guest Lecture
2019	Mr. M. BALAANAND	Assistant Professor	International Journal publication
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	Civil	VII/IV	01/11/2018	13/01/2019
BE	CSE	VII / IV	01/11/2018	13/01/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Three continuous assessment (CA) tests and one model exam for theory subjects and one model practical examination for practical are conducted in each

semester. The department will carry out internal assessment on all subjects based on internal test performance of the students. A practice test with coaching is conducted before each CA Test and their performance is evaluated. 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 given with previous year university question papers to perform well and to get university ranks. Remedial tests are conducted for absentees and failure students by framing new questions. Other 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 students, internal marks included attendance mark for 85 and above. The mark allotted varies according to the attendance percentage range. The faculties enter attendance and marks of the students periodically. The attendance is strictly followed.

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 convenors and members also given. The code of conduct for individual is given in this book and teachers are expected to adhere to them strictly. Faculty members 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. Class Committee meetings are conducted periodically to the students and the grievances are reported and proper actions will be taken. The students are made aware of the evaluation procedures including, internal mark calculations, evaluation and challenge valuation, examination pattern of college and the university, well in advance through circulars as well as information printed in the college calendar.

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/2023/07/2.6.1.-POs-PSOsCOs.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year	Number of students passed in final year examination	Pass Percentage

			examination		
103	BE	Civil	73	55	75.34%
104	BE	CSE	20	10	50.00%
105	BE	EEE	39	14	35.90%
106	BE	ECE	26	15	57.69%
114	BE	Mech	110	62	56.36%

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2.7 – Student Satisfaction Survey

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

http://vrscet.in/wp-content/uploads/2023/07/2.7.1-SSS.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	120	TNSCST	0.1	0.1

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Seminar on Special Concrete-Recent Practices	Civil	14/09/2018
workshop titled "Modern Surveying using Total Station"	Civil	11/03/2019
Seminar on "Opportunities and challenges in Todays IT"	CSE	01/09/2018
Workshop on "Smart Phones Service Training"	CSE	24/01/2019
Seminar in "Present scenario of sugar industry in India"	EEE	18/08/2018
Recent Automation technologies and softwares	ECE	26/07/2018
National level Symposium MECHAUNICORN-2019	MECH	09/03/2019

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
Automatic	Ms. P.	TNSCST	10/04/2019	Best Students

detection and control of air contamnation in an enclosed Indoor environment	Sujatha				Project

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

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

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	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
ECE	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CSE	5	0
International	ECE	6	0

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

Department	Number of Publication
ECE	16
EEE	10
Civil	7
CSE	5
MECH	5

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
An enhanced graph-based semi-super	Mr.M.BalaAnand	The Journal of Supercomputing	2019	50	VRS College of Engineering	50

Title of the Paper	Name of Author	Title of journal	Year of publication		Institutional affiliation as mentioned in the publication	
vised learning algorithm to detect fake users on Twitter					Technology	
Envisioning Social Media Information for Big Data Using Big Vision Schemes in Wireless Environment	Mr.M.BalaAnand	Wireless Personal Communications An International Journal	2019	31	VRS College of Engineering Technology	31
"Designing a Framework for Communal Software: Based on the Assessment using Relation Modeling", "Intelligent Security Algorithm for Unicode Data Privacy and Security in IOT"	Mr.M.BalaAnand	International Journal of Parallel Programming - Springer (Scopus indexed)	2018	63	VRS College of Engineering Technology	63
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
An enhanced graph-based semi-supervised learning algorithm to detect fake users	Mr.M.BalaAnand	The Journal of Supercomputing	2019	1009	50	VRS College of Engg. Technology

on Twitter						
Envisioning Social Media Information for Big Data Using Big Vision Schemes in Wireless Environment	Mr.M.BalaAnand	Wireless Personal Communications An International Journal	2019	1009	31	VRS College of Engg. Technology
"Designing a Framework for Communal Software: Based on the Assessment using Relation Modeling", "Intelligent Security Algorithm for Unicode Data Privacy and Security in IOT"	Mr.M.BalaAnand	International Journal of Parallel Programming - Springer (Scopus indexed)	2018	1009	63	VRS College of Engg. Technology

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

Number of Faculty	International	National	State	Local
Presented papers	43	0	0	0
Attended/Seminars/Workshops	0	40	0	0
Resource persons	0	1	0	0

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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities

Blood donation camp on 02.08.2018	Govt. Primary Health Centre Hospital, Iruvelpet.	5	109
Awareness program for Leprosy	Govt., DisasterWing, Ulundurpet	4	113
Awareness program for Tuberculosis (TB)	Govt. Primary Health Centre Hospital, Iruvelpet.	4	121
Awareness program for Dengue	Govt. Primary Health Centre Hospital, Iruvelpet.	4	986
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
0	0	0	0
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
NSS – Awareness Program	Govt. Primary Health Centre Hospital, Iruvelpet.	Blood donation camp on 02.08.2018	5	109
NSS – Awareness Program	Govt., DisasterWing, Ulundurpet	Awareness program for Leprosy	4	113
NSS – Awareness Program	Govt. Primary Health Centre Hospital, Iruvelpet.	Awareness program for Tuberculosis (TB)	4	121
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
0	0	0	0
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the	Name of the	Duration From	Duration To	Participant

Industrial Exposure in Software coding	Field trip	HIGS Software Solution, Kanniyakumari	16/08/2018	16/08/2018	Students
Industrial Exposure in Software coding	Field trip	Trinetz Technology Services Pvt. Ltd., Kanniyakumari	16/08/2018	16/08/2018	Students

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Ford India Ltd.	12/02/2019	Inplant training, Industrial Visit, Research projects, Product development support, Placement opportunities	314
CADD CENTRE, VILUPURAM [MECH]	08/05/2018	Workshop, Seminar, Inplant training, Industrial Visit, Research projects, Product development support, Placement opportunities	314

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
11.5	11.5

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing

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4.2 – Library as a Learning Resource

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

Name of the ILMS	Nature of automation (fully	Version	Year of automation

software	or patially)		
PALPAP	**Fully**	**-**	**2013**

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
e-Journals	**0**	**0**	**2**	**85050**	**2**	**85050**

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr. G. Sadiq basha	**EC6701 RF and Microwave Engineering**	**MS Office with Windows**	**05/02/2019**

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	**496**	**129**	**31**	**0**	**0**	**10**	**299**	**200**	**0**
Added	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total	**496**	**129**	**31**	**0**	**0**	**10**	**299**	**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
Video Conference Room	**www.vrscet.in**

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
3.38	**3.38**	**62.29**	**62.29**

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-natured 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.

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 scholarship,	33	99000
Financial Support from Other Sources			
a) National	SC ST SCC Post	362	26171975

	Matric Scholarship Scheme			
b)International	-	0	0

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft Skill Development	21/12/2018	131	V. R. S. College of Engineering.
Remedial Coaching	02/07/2018	988	V. R. S. College of Engineering.

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	Competitive Exams Coaching	218	600	2	115

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
39	39	3

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
Mitsuba Sical India Private Limited, Chennai	21	15	CLF Structures Private Limited, Chennai	25	12

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

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

	higher education				
2018	0	-	-	-	-

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	0

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

Activity	Level	Number of Participants
Debate Competition	Institution Level	17
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Yogasana competition	National	1	Nill	-	Mr.R.Ajith Kumar IV mech
2018	District ciricket team	National	1	Nill	-	Mr.S.Sarathbabu II mech
[View File](#)						

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

In our institution student committees are formed in three areas. 1. Curriculum 2. Co-curriculum 3. Extra curriculum. Our students are encouraged to contribute in many possible events to improve their attitude to work in teams and improve their communication skills. Association activities: The department is associations are formed to improve the students' activities. The student committees are formed for the co-curricular activities and events such as Reception, Registration, Decoration, Editorial and Event management. Class Committees: A class committee consists of students, teachers and a Chairperson, in which all the students of the particular class will participate. The chairman and teachers are appointed from other departments. The overall goal of the class committee is improving the teaching learning process. Sports committee: Sports committee is formed every year for conducting various sports. Students are split into four groups like: Prithivi, Brahmos, Trishul, Agni. The selected captains and vice captains of each house are actively participating and conducting annual sports successfully. Industrial visits: Our students also organize Industrial Visits. Various activities in industrial visits are: Getting permission from the Head of the institution, Finalizing the places of visit, List the industries to be visited, Getting the permission from the industries, transportation and accommodation.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?
Yes
? Yes, the institution has a registered Alumni Association and it was formed in the year 2009 under the title "VRSCE Alumni Association" with the Reg. No: 9/2019. The alumni meet is conducted once in a year, where the alumni from different branches of the under graduate and post graduate programs share their views and give suggestions for the betterment of their junior students. ? The alumni meet is hosted by the management generously and the alumni are honored with mementos. Such meetings are mutually beneficial for the Institution and the alumni. This provides an opportunity for the alumni to meet their friends and act as a bridge for the faculty and students to share their experiences, knowledge, and insights. ? The alumni visit the institution to deliver Guest lectures and seminars for the students in their areas of expertise and motivate the young minds. Successful entrepreneurs from the alumnus are invited to talk about their success stories at various occasions of the Institute. ? The alumni also help the final year students of the various streams of engineering, business administration, and computer applications to get their project placements and summer internship in their companies or to assist them get it through their reference. ? They also assist the students for placement in public and private sectors and the regular alumni association meetings pave the way for the successful placements of the students. ? Students are a part of the institution even after their graduation. Hence, the Alumni Association has been formed and it keeps track of past students' career growth. The passed-out students are invited every year to an 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. Moreover, the members of the Alumni Association often visit the institute and share their knowledge and experience with our staff and students. Additional knowledge and skill development activities are being carried out based on the suggestions, given during their visits. ? Alumni association is proud to see many of its members serving most of the countries in the world. The Principal and the management are very glad at the outstanding performance of the alumni. ? The association appreciates all the alumni who have taken their efforts by the way of sharing their knowledge with their juniors and also in various placement activities. The association and the institution are thankful to them. Their presence in the association helps to promote personal relationships and thereby improve public relations. ? In this meeting, we conduct office bearers' elections such as President, Vice-President, Secretary, and Various zone representatives in order to strengthen our alumnus community.

5.4.2 – No. of enrolled Alumni:
3337

5.4.3 – Alumni contribution during the year (in Rupees) :
0

5.4.4 – Meetings/activities organized by Alumni Association :
Number of alumni association meetings-1, Date of meeting 05.09.2019, No of members attended:61,

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. Regularly with the effectiveness of various bodies/cells/committees, we had successfully conducted graduation days, annual days, Alumni Association function etc., ? Generally for Department functions, committees are framed by Head of the department itself and announced it through circular or during department staff meeting. Practice1: ? The following is the minutes of the meeting held for the successful conduct of 21st Graduation Day on 17.03.2019 for the conveners of all committees. The duties and responsibilities were discussed with the committee heads and preparatory works are insisted for successful conduction of graduation day. ? The minutes of meeting and the team of committees with the members are circulated to all the department faculty members and insisted the committee members to contact their respective conveners for their duties and responsibilities. ? The committee heads also contact their members at once and convey their individual responsibilities and monitor the work progress. • Details of Program: • Chief Guest –Dr.V.Rajendiran, M.E., Ph.D., Managing Director, Hitech Civil Engineering Services Private Limited,Chennai . • Buses will be available from Thiruvandarkoil , Cuddalore , Neyveli, Viruddhachalam and Villupuram from 12.15 p.m. onwards. .Event will be started from 2.30 p.m. • The list of committees were successfully executed the tasks as discussed in the minutes of the meeting held on 17.03.2019 a) Media and publicity committee b) Reception c) Registration d) Feast arrangement and general services e) Seating arrangement f) Decoration g) Compering and Invocation h) Transport arrangement i) Security arrangement j) Prizes and certificates k) Power and PA system . Practice2: ECONOMICALLY WEAKER SECTION CELL ? 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 students are getting these scholarships through this cell of our college operated by the management. This scholarship is given to the students from the additional income, in terms of rent from BSNL Tower, operating inside the college premises along with Aircel which already exists, has been effectively utilized. ? Economically weaker section cell identifies brightest students with economically weak background, irrespective of their caste from each class of all branches and award cash reward of Rs.3000/.

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

Partial

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Human Resource Management	• Well-qualified and experienced faculty is the strength of our institution. • Empowering the faculty with new resources and skills through training and motivation so that they

	can contribute efficiently to the progress of the institution. • Conducting seminars and Faculty Development programmes. • Awarded with gold ring to best performing teachers. • Encourage faculty members to register for PhD. • Encourage faculty members to become resource persons in other college seminars and workshops etc., • Appreciation for journal publication in Annexure 1 and Annexure 2 journals.
Curriculum Development	? Value Based Education, ? Adopted Elective Based Curriculum, prescribed by Anna University Affiliated colleges. • Open electives across the programs to enhance the strength, knowledge and professional competency of the students. ? Bridge Industry Institute gaps by conducting Value added courses ? Curriculum enrichment through Add on Courses and Certificate Courses. ? Feedback on curriculum from stakeholders.
Teaching and Learning	• Focus on experiential learning and participatory learning. • Effective implementation of academic schedule and teaching plans. Assignments, Projects and Field work are part of the curriculum in majority of the programs. • Faculties are encouraged to take classes based on Wipro Mission - 10X teaching learning methods includes quiz, analogy, summarization, debate, Collaborative Virtual Classrooms, Mind mapping, Brainstorming, Role Playing and Case Study etc.

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

E-governace area	Details
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	• 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	• 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 thetransparent functioning of Accounts department. The same software is used to generate various reports like Consolidated Day Book

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	-	-	-	0
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	SEMINAR ON EMERGING TRENDS IN INDUSTRIAL ELECTRONICS	-	26/07/2018	26/07/2018	15	Nill
2018	GUEST LECTURE ON PRESENT SCENARIO OF SUGAR INDUSTRIES IN INDIA	-	18/08/2018	18/08/2018	10	Nill
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Mech-Two weeks FDP in Thermal Engineering	2	01/12/2018	12/12/2018	12
ECE- Nation level Workshop on "Research on Digital Image Processing"	2	29/09/2018	29/09/2018	1
		View File		

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
101	101	93	93

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
? To ensure the comfort travel of all the teaching staff, VRSCET provides free transportation. ? Highest pass percentage producing faculty member in each section shall be appreciated with gold ring worth Rs.7000/-. ? 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/-. ? 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. ? All	? To ensure the comfort travel of all the non-teaching staff, VRSCET provides free transportation. ? Marriage gifts and mementoes with the sanction of 10 days leave. ? Special study leave to pursue higher studies. ? Incentive for attending orientation program, workshops and conferences. ? Dress materials for housekeeping staff. ? 1 lakh group personal accident insurance provided for non-teaching staff members. ? 10 days' vacation leaves for nonteaching faculty members. ? The non-teaching staff shall be eligible for 1 day of Casual leave with pay every month. ? All women members of nonteaching staff are given maternity leave for a period of	? The students who have passed the semester examinations in the first attempt shall be appreciated in the form of Appreciation certificate. ? 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. ? The students who score first and second mark in their course shall be appreciated with Gold and Silver medals respectively in the graduation day. ? The students who score more than 90 of marks in Anna University examinations shall be awarded with Gold ring worth

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 he/she shall be awarded Rs.2000/-. ? 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. ? Marriage gifts and mementoes with the sanction of 10 days leave. ? Gifts to teaching staffs' on their birthday. ? Faculty members those who are attending workshop, conference and FDPs are sponsored by the institution. ? Additional increment is given if the Faculty member clears UGC-NET or gets Ph.D. awarded. ? 1 lakh group personal accident insurance provided for teaching staff members. ? Special study leave to pursue higher studies. ? 45 days' vacation leave is given to the teaching staff. ? 22 days On-Duty is given per year to attend valuation, exam duty, workshop, conference and Faculty Development Programs. ? The teaching staff shall be eligible for 1 day of Casual leave with pay every month. ? All women members of staff are given maternity leave for	three months with salary. ? Biometric Attendance system is implemented for all non-teaching faculty members. ? Parking facilities for nonteaching staff.	Rs.7,000/-

| a period of three months with salary. ? Biometric Attendance system is implemented for all the teaching faculty members. ? Parking facilities for teaching staff. ? All the employees of the Institution are provided with interest loan facility once in a year. | | |

6.4 – Financial Management and Resource Mobilization

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

External auditors 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 ARASUR TAMILNADU 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 External audit is done during the month of December and internal audit is done during the month of June every year. A utilization certificate is thereby provided for various funding agencies on regular basis. Internal Audit is performed by officials deputed from Trust office and the reports are obtained before conduct of the external audit. External Audit is done by the Statutory Auditors and subsequently External Statutory Audit is conducted by the auditors and the final consolidation of audit findings are submitted to the Management and through e-filing to other relevant authorities concerned.

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
-	0	-
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

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

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)

Workshop on Career Awareness, Workshop on Life Skill development, Two days intensive workshop on "Smart Phones service Training"

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

• Technical events organized by each department had been improved, • Faculty Contribution in the external world had been improved every year, • Students Contribution in the external world had been improved every year.

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	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	TWO DAYS WORKSHOP ON SMART PHONE SERVICE TRAINING	24/01/2019	24/01/2019	24/01/2019	24
2019	FIRST INTERNATIONAL CONFERENCE ON VERACITY RESEARCH IN SCIENTIFIC COMPUTING AND ENGINEERING TRENDS ICVRSCET – 2019	23/03/2019	23/03/2019	23/03/2019	101
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the	Period from	Period To	Number of Participants

			Female	Male
programme				
Empowering women in and via education	30/01/2019	30/01/2019	15	35

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
3.50

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Nill	No	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	Nill	10/01/2018	1	Blood donation camp at health centre, VRSCET	Awareness on donating blood to the needy people	86
2018	Nill	1	10/08/2018	1	National Deworming day	Discussed about worm infections and the effects of worm infections such as anemia	450

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

Title	Date of publication	Follow up(max 100 words)
Staff and Student Handbook	15/01/2013	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.
Human values and Professional ethics related course	15/01/2013	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	15/08/2018	15/08/2018	127
Teachers day	05/09/2018	05/09/2018	267
[View File](#)			

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

Green Practices • Students, staff using a) Bicycles b) Public Transport c) Pedestrian friendly roads • Plastic-free campus • Paperless office • Green landscaping with trees and plants • Waste Management 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 wheelers 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 informations 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

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 confident enough to face Government and Union public service commission competitive examinations. • 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 Faculty Development Programmes. • 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 • Planning for conducting Continuous Assessment Tests • Planning for practice/pre CA Tests/ tutorial classes • Planning for remedial tests / retests • Planning for special counseling duties and coaching classes before Anna University Examinations. • Planning model theory and practical examinations 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. Then the subject will be 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. In all the Departments, for all the subjects, well prepared study materials are kept in. 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. • In each department, the students will be categorized based on their academic performance and a target list will be prepared. So that faculty member can easily implement a suitable teaching learning mechanism to each and every student. • As per Anna University's academic schedule, all continuous assessment tests will be conducted. Since the internal assessment marks are based on the performance of the students in CA Tests, practice tests / pre CA tests will be conducted prior to each CA Test. Tutorial classes are conducted to all the analytical subjects. The students can prepare themselves for CA tests and they perform well. If any of the students fail in the exam/absent for the tests, then they will be given an opportunity to write remedial tests / retests respectively. This system enables students to improve their internal marks and in turn they can score good marks in University examinations. Model examinations are also being conducted for both theory and practical subjects. • All faculty members will prepare a checklist for topic coverage of their courses. Checklist helps to identify the topics, which have been studied by the students and what need to be studied. Then the staff will guide the students to study the uncovered topics. So that, the full syllabus coverage can be achieved. • Special coaching classes are also being conducted and Special counseling is being given through phone to both students and parents during examination period. • 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, Amar Prakash Developers, CSS Corp, Axis global Automation, Sure Soft, KKM Soft, Mascons ECC, Star Ready Mix, CADD Centre, R.R. Machine Tools, Eureka Forbes, Rifluxyss, Reliance Communication, Soft Square, Axis Global Automation, AveonInfotech, StudioQ Solution, Sharp Design Technologies, Scope Technology, SNY Autotech, Deccan Services, Springs Structural Engineering, 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: Every method will have some obstacles. Likewise in this method some students cannot write all the questions which are given by the faculty. The poor vocabulary in English language disturbs them in understanding the technical principles and in turn they cannot answer all the questions. 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, especially in academics as per the needs expressed by the students. 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.

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/

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

Most of the admitted students are from the economically weaker background, and a significant number of open category students are from low-income family. Their parents are daily wages, porters and farmers. Most of the students depend on the SC/ST, MBC, Farmer and Post Metric Scholarships given by the government and education loan provided by the banks. Hence, the tuition fees are allowed to pay on an installment basis, throughout the academic year. Economically weaker section cell identifies brightest students with economically weak background, irrespective of their caste from each class of all branches and award cash reward of Rs.3000/- during every year annual day celebrations. Group Insurance facility is being operated for the benefit of both parents and students. The college premises located in a rural area, so free transportation is provided for SC/ST students. Local area students from Arasur and Madapattu are equipped with free transportation. To bridge the gap between subjects studied at school and subjects they will study in engineering, a bridge course for newly admitted students are being conducted every year before the commencement of the first semester classes. During study holidays, students are encouraged to prepare for university exam through phone calls by the faculty

members and special coaching classes are being conducted. Associations formed in each department conducts seminars, guest lectures, add on programmes, certificate programmes, value-added programmes, life skill development programmes, entrepreneurship awareness camp to the students for enhancing their knowledge and life skills. Students are encouraged to participate in internal and external college events like project contests, paper presentation, seminars, workshops, and conferences and journal publications. 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. It starts to provide soft skill training to students from the first year of their course. After imparting the required skills to students to make them employable, it is continuously interacting with Industries to know their needs of human resources recruitment. Further,It guides the students to know their field of specialization or career domain by conducting interactive career guidance programmes. To establish healthy Industry-Institute partnership for providing Industry visits, Inplant Training, Internship and Placement opportunities to students, it is signing MOU with many Industries.

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

8.Future Plans of Actions for Next Academic Year

• 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. • 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 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 training for GATE, UPSC Exams etc. • Based on interest, Students are to be given training with various add on courses. • The Placement interviews are to be conducted.