Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	ST. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	Dr. S. Selvan
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	914426558091
Mobile no.	9790936889
Registered Email	spcet2008@gmail.com
Alternate Email	principal@spcet.ac.in
Address	College Road, Avadi
City/Town	Chennai
State/UT	Tamil Nadu
Pincode	600054

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. G. Umarani Srikanth**
Phone no/Alternate Phone no.	**914442664256**
Mobile no.	**9840268061**
Registered Email	**umaranisrikanth@gmail.com**
Alternate Email	**hodcse@spcet.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.spcet.ac.in/wp-content/uploads/2020/09/aqar-18-19.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.spcet.ac.in/wp-content/uploads/2019/09/spcet_calendar_19_20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.01**	**2016**	**05-Nov-2016**	**04-Nov-2021**

6. Date of Establishment of IQAC	**01-Jun-2016**

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
IQAC Meeting	**16-Dec-2019**	**25**

			60	
IQAC MEETING		10-Jun-2020 60		25
Academic Administrative Audit		09-Jan-2020 120		25
Institution Innovation Council (IIC) Meeting		31-Oct-2019 120		25
ISO Certification internal audit		18-Nov-2019 120		50
ISO Certification internal audit		14-Feb-2020 120		50

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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
St. Peters College of Engineering and Technology, Chennai	SC/ST Skill Development Programme	AICTE	2019 8	1434000
St. Peters College of Engineering and Technology, Chennai	Recognition of College under 2(f)	UGC	2020 0	0
CSE, IT, MBA departments of St. Peters College of Engineering and Technology, Chennai	Permanent Affiliation	Anna University, CHENNAI	2020 0	0
St.Peters College of Engineering and Technology, Chennai	PMKVY	AICTE	2017 8	206939
St. Peters College of Engineering and Technology, Chennai	Social Entrepreneurship, Swachhta & Rural Engagement Cell (SES REC)	Mahatma Gandhi National Council of Rural Education, Govt of India	2020 0	0
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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)

• IQAC is constantly evaluating TeachingLearning process through feedback. • Strengthening the campus placements to provide job opportunities for the Students. • IQAC has taken initiative to update ISO standard to ISO: 2015 standard. • IQAC has taken initiative to make the Institution an Autonomy one. • IQAC has taken initiative to establish recognized Research centres.

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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
Research activities	Students of all departments visiting various Industries for updating current technology and state-of-art.
To apply MSME Business Incubation Host Institute	Students of CSE, ECE and Aeronautical Engineering have presented papers in national and International conferences.
Applied for Startups	Staff members of MBA, Mechanical, ECE and Aeronautical Engineering published papers in journals.
Taken initiative to make the Institution an autonomy	Staff members of MBA, IT, ECE and Biotechnology presented papers in national and international conferences.
Proposal and plan to conduct National Level seminars, Conferences, Workshops, Symposiums, FDP etc.,	Departments of MBA, CSE, EEE and ECE applied for receiving grants from various funding agencies.
Plan for Industrial visits and Educational Tours	13 research proposals were sent to various funding agencies.

Initiatives taken for applying to receive seminar grants and STTP grants.	National level conference, workshops, seminars, symposiums, FDPs were organized by all the departments.
Staff published papers in national and International conferences	The information is prepared and will be uploaded soon.
Applied for Startups	Start up proposals submitted by students sent to MSME
To apply MSME Business Incubation Host Institute	Yes applied
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Council	11-Jan-2020

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	**2019**

Date of Submission	**07-Jun-2019**

17. Does the Institution have Management Information System ?	**Yes**

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**The Institution has a MIS named Insproplus. It has 19 modules and each module is sectioned into Master, Operation and Report headers. The master module take cares of master setting activities that usually been performed once for a task. Operation module is the important module which will be updated on all working days. The operations such as mark entry, attendance entry, timetable entry etc are performed by the individual staff and process owners. Reports are generated based on the data entered through operation modules. Accounts is maintained by Tally and a software by a third party.**

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

Semester plan: Before the beginning of every semester, semester plan is prepared by various departments and brought to student's notice through class committee meetings. The semester plan contains details regarding time table, schedule for internal assessment tests and assignments, skill matrix of the members of faculty, subjects allotted to the individual teachers according to their specialization, and plan of activities proposed to be organized by the department during the semester. The semester plan would make the students to be aware over the proposed activities of the semester. Course plan: The concerned faculty for each subject prepares a detailed course plan giving the units of syllabus, proposed dates of completion of the units. It also provides the information about the textbooks and reference books to be followed. Each individual teacher also maintains a log book in which the topics discussed in the class each day are recorded which will give an idea about the completion of the unit according to lesson plan. If there is any deviation, the reasons for the same and remedial measures are recorded. The management provides support by providing the facilities required by the faculty members for effectively delivering the syllabus contents and improving teaching methods. The Institution arranges various programmes such as research forum meetings to ensure the research activities dynamic. In this perspective, the Institution allows faculty members to attend seminar, workshops, Conference programmes to other Institutions. Institution offers Induction programme to the junior staff members too. A committee consisting of Principal, Heads of Departments and Dean discuss and decide about the Faculty Development Programme (FDP) according to the needs of the members of the teaching community. Subject experts and industrial experts are invited to impart knowledge of the faculty in the current developments to meet the challenges of the technological growth. Class committee meetings are conducted periodically. Effective delivery of curriculum is achieved by making use of effective teaching practices by adopting various methods such as using Black board, Power point presentation, Digital library, NPTEL, EDUSAT facilities, and the websites of certain renowned foreign universities, which have been proved in making the teaching learning programme effective. The performance of each faculty is reviewed by the feedback collection from students from where the weakness of the teacher is identified, and the teacher is advised to improve his/her teaching skills.

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
No Data Entered/Not Applicable !!!					

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

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

Name of programmes adopting	Programme Specialization	Date of implementation of

CBCS		CBCS/Elective Course System
BE	Aeronautical Engineering	02/07/2019
BE	Civil Engineering	02/07/2019
BE	Computer Science and Engineering	02/07/2019
BE	Electronics and Communication Engineering	02/07/2019
BE	Electrical and Electronics Engineering	02/07/2019
BE	Mechanical Engineering	02/07/2019
BTech	Information Technology	02/07/2019
BTech	Biotechnology Engineering	02/07/2019
BTech	Chemical Engineering	02/07/2019
MBA	Master of Business Administration	02/07/2019
ME	Structural Engineering	02/07/2019
ME	Computer Science and Engineering	02/07/2019

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

	Certificate	Diploma Course
Number of Students	0	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
Technical and Career opportunities for Aeronautical Engineering students	01/06/2020	47
Aircraft metallic materials and their applications	01/06/2020	47
Plant cell Bio-processing(NPTEL – 8 Weeks course)	26/08/2019	2
AICTE SC/ST Skill Development Programme	04/02/2020	5
Smart Training Programme	03/02/2020	22
Aptitude Training classes by SMART Training for II year	01/07/2020	5
Automotive Industry Trends	08/05/2020	250

Smart Agriculture System Using IoT	06/06/2020	478
Computer Aided Engineering-ANSYS Product Simulation	29/06/2020	632
Auto Service Technician – Two Wheelers (ASC/Q1411) Four Wheelers (ASC/Q1401)	01/06/2020	25
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	BIO-TECHNOLOGY	2
BE	CIVIL	55
BE	COMPUTER SCIENCE AND ENGINEERING	21
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	15
BE	CHEMICAL ENGINEERING	23
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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

Principal through HOD evaluates the faculty performance for every academic year with the help of self appraisal forms. The process of obtaining feedback about subjects from the students, used to be carried out at the end of every semester. Similarly, comments and improvements about curriculum are collected from stakeholders for organising value added courses to enhance the skill-set of the students. Alumni provide feedback about the overall curriculum and training programmes to be rendered to students during the interaction meeting organised every year. Feedback regarding the latest state-of-art courses and technology has been received from HR personnel from renowned Industries who visit the campus for recruiting students. Parents who are holding coveted positions in the industries are requested to provide their valuable views in order to develop the Institution par with international standards. The feedback forms obtained from teachers, parents, employers and alumni are discussed with principal. In turn principal sends the requirements to the management to obtain approval for conducting certificate courses, enrichment programme, and skill development programme. All the students of BE / BTech are informed to provide their feedback on the subjects taught, in the prescribed proforma given to them

at the end of the semester. This will be of great value to the department to enrich the quality of learning. During parents visit, parents meet the faculty to know about the academic performance, regularity, conduct and behaviour of their wards. Feedback on curriculum is obtained from alumni, when they attend the alumni meet arranged by the department concerned periodically. During Governing council meeting and Planning Monitoring board meetings, one or two industrial experts are invited to provide valuable suggestions, which will be utilized for overall development of the Institution.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MBA	Master Of Business Administration	90	70	60
BE	Mechanical Engineering	90	40	18
BTech	Information Technology	30	20	18
BE	Electronics And Communication Engineering	90	30	9
BE	Electrical And Electronics Engineering	30	20	7
BE	Computer Science And Engineering	90	59	47
BE	Civil Engineering	60	20	7
BTech	Chemical Engineering	60	30	21
BTech	Bio-Technology	60	40	24
BE	Aeronautical Engineering	30	25	18
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	800	87	170	17	187

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
187	187	6	10	6	4
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring System: The new process has been established as 'Mentoring System'. Each faculty will be the mentor of a group of 15 to 20 students. First year students will have mentors from the department of Basic Engineering Science and second, third, fourth year students will have mentors from the parent department. Departmental faculties will continue to be mentors for the same group of students till their graduation. The mentor will perform the following functions. The list of course cannot be exclusive. A mentor can always do more for the benefit of the students. 1. Meet the group of students at least twice a month. 2. Continuously monitor, counsel, guide and motivate the students in all academic matters. 3. Advise students regarding choice of electives, project, and summer training etc. 4. Contact parents/guardians if situation demands e.g. academic irregularities, negative behavioural changes and interpersonal relations, detrimental activities etc. 5. Advise students in their career development/professional guidance. 6. Keep contact with the students even after their graduation. 7. Intimate HOD and suggest if any administrative action is called for. 8. Maintain a detail progressive record of the student (format attached). 9. Maintain a brief but clear record of all discussions with students. HOD: The HOD 1. Meets all mentor of his/her department at least once a month to review proper implementation of the system 2. Advices mentors wherever necessary. 3. Initiates administrative action on a student when necessary.Keep the head of the institute informed

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1206	187	1:6

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
187	123	64	64	21

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
2020	DR.G.UMARANI SRIKANTH	Professor	International Achievers Award Awarded by Global Forum
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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	105	IV	27/03/2020	15/08/2020
BE	106	VIII	27/03/2020	15/08/2020
BE	106	VI	27/03/2020	15/08/2020
BE	106	IV	27/03/2020	15/08/2020
BE	103	VIII	27/10/2020	20/10/2020
BE	103	VI	27/03/2020	15/08/2020
BE	103	IV	27/03/2020	15/08/2020
BE	104	VIII	27/03/2020	20/10/2020
BE	104	VI	27/03/2020	15/08/2020
BE	104	IV	27/03/2020	15/08/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The unit test cell consists of Dean (Academics) as coordinator and senior faculty as members. Based on Anna University semester plan, this cell prepares a schedule for conducting Assessment tests, model exam and class committee meetings. The schedule is circulated to all the departments and displayed in the class room notice boards for the student's reference. The responsibility of the cell is to schedule exams, hall arrangements, and preparing the list of invigilators for conducting unit tests and model exams. Progress reports are prepared and sent to parents as soon as the results for these examinations are collected from departments.

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

Academic calendar is prepared each semester as per the Anna university guidelines. Anna university releases academic schedule in every semester where the information about dates of commencement classes, assessment tests dates, attendance entry, and entry of marks in portal, commencement of end semester examinations for both theory and practical are found. Accordingly, our college exam cell conducts exams.

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)

https://drive.google.com/file/d/1uCf7B9L9gzv9exLez9sIM-IN3A0qrFEU/view

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
251	BArch	B.ARCH	56	56	100
214	BTech	BIO-TECH	32	32	100
205	BTech	IT	12	12	100

203	BE	CHEMICAL	20	20	100
114	BE	MECH	67	67	100
106	BE	ECE	12	12	100
105	BE	EEE	4	4	100
104	BE	CSE	50	50	100
103	BE	CIVIL	14	14	100
101	BE	AERO	6	6	100
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2.7 – Student Satisfaction Survey

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

 https://www.spcet.ac.in/wp-content/uploads/2019/09/student-survey-report.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
No Data Entered/Not Applicable !!!				
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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
Intellectual Property Rights (IPR) and Basics of Patent Practice in India	Mechanical Engineering	15/06/2020
Innovation day	SPCET-IIC and NSS	15/10/2019
NEAT Logo contest (National Educational Alliance for Technology)	SPCET-IIC with MHRD	25/10/2019
Three Days Entrepreneurship Awareness Camp	SPCET-EDC	18/12/2019
A Five Day National Workshop on "Bioreactor Operation For Bioprocessing"	BIOTECHNOLOGY	09/12/2019
AICTE Sponsored Online Short Term Training Programme on "Sustainable Transport for Smart Cities"- Series-	CIVIL	20/07/2020
AICTE Sponsored Online	CIVIL	24/08/2020

Short Term Training Programme on "Sustainable Transport for Smart Cities"- Series- II		
Online Faculty Development Programme on "Research Trends in Civil Engineering"	CIVIL	29/06/2020
Online Workshop on basic simulation in aspen plus	CHEMICAL ENGINEERING	13/05/2020
Online Faculty development development in "Advanced Technologies in chemical Engineering"	CHEMICAL ENGINEERING	23/06/2020

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Ph.D degree	Dr. G. Ramya Devi	Sathyabama Institute of Science and Technology, Chennai	22/06/2020	Doctoral Degree

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

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

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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	1

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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	mechanical engineering	4	1.5
International	CSE	2	2

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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

Mechanical engineering	2
BioTechnology	2
Master of Business Administration	5
Information Technology	5
Aeronautical Engineering	2

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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
Optimization of shrinkage porosity in AlSi5Cu1Mg alloy using Response surface methodology	G.Nagabhoosanam R.Nishanth	Materials Today Proceedings	2020	Nill	Professor, SPCET	Nill
Natural sisal fiber based woven glass hybrid polymer composites for monoleaf spring: experimental and numerical analysis	Dr.A.Shadrach Jeya Sekaran	Progress in rubber, Plastics and recycling Technology (Sage publications)	2020	Nill	Professor, SPCET	Nill
"Evaluation of Physical and Mechanical Properties of Glass Fibre Reinforced Polyester Resin",	Mr. M.V. Manivannan	International Journal of Scientific and Technology Research,	2020	Nill	Professor, SPCET	Nill
Experimental analysis	Mr. A.P. Arun Pravin	Materials Today: Pro	2020	Nill	Professor, SPCET	Nill

		ceedings,				
of aluminium alloy LM25 with carbon in composite material						
Performance, Emission and Combustion Characteristics of Safflower, Neem and Corn Biodiesels Fuelled in a CI Engine	Purushot haman, K.	Natural environmen tal and pollution technology	2019	Nill	Professor, SPCET	Nill
Experime ntal Study on Whirling Speed of least Dime nsional Mild Steel Shaft for Toy Cars	Palani Kumar, Chi nnapandian M Sabarira jan N	Materials Today: Pro ceedings	2020	Nill	Professor, SPCET	Nill
Experiment on the Per formance and Emission C haracteris tics of the Blend B25 of Papaya Oil Methyl Ester on a Diesel Engine with Standard and Magnesium Stabilized Zirconia Coated Piston	V. Dinesh Kumar, K. M. Mrityun jayaswamy, M. Chinnap andian	Internat ional Journal of Innovative Technology and Exploring Engineerin g (IJITEE	2020	Nill	Professor, SPCET	Nill
Tourism Management	Mr.B.Gan esh	TEST Journal	2020	Nill	Professor,	Nill

					SPCET	
Revival Strategies in the development of Tourism Sector post Covid'19	B.Ganesh	Catalyst- Journal of Business Management	2020	Nill	Professor, SPCET	Nill
Evaluation of tribological characteristics of nano zirconia dispersed biodegradable canola oil methyl ester metalworking fluid	Mr.N.Nagabhooshanam	Elsevier- Tribology International	2020	Nill	Professor, SPCET	Nill

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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
Aspect Based Sentiment Analysis Using Attention Mechanism and Gated Recurrent Network	Dr.G.Umarani Srikanth	International Journal of Scientific Technology Research	2020	7	150	Professor, SPCET
Cloud Integrated IoT Enabled Sensor Network Security: Research Issues and Solutions"	G. Umarani Srikanth	Wireless Personal Communications	2020	7	150	Professor, SPCET
Experiment on the Performance and	Dr.M. Chinnapandian	International Journal of Innovative Technology	2020	4	234	Professor, SPCET

Emission Characteristics of the Blend B25 of Papaya Oil Methyl Ester on a Diesel Engine with Standard and Magnesium Stabilized Zirconia Coated Piston		and Exploring Engineering (IJITEE)					
Experimental Study on Whirling Speed of least Dimensional Mild Steel Shaft for Toy Cars	Dr.M.Chinnapandian	Materials Today: Proceedings	2020	4	234		Professor, SPCET
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	238	20	12
Presented papers	9	95	6	1
Resource persons	0	5	3	4
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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
World Students Day 15-10-2019	YRC	20	160
Innovation Day 15-10-2019	NSS	20	170
International Volunteers Day- 05-12-2019	YRC	20	100

Career Guidance – Grooming Public Speaking – 21-02-2020	SELF	5	50
Covid-19 Awareness Programme- 10-02-2020	NSSYRC	25	100
NSS Special Camp – 7 Days - From 24-02-2020 To 01-03-2020	NSS	20	100
Corona Virus Awareness Programme – 10-02-2020	NSS	25	180
Womens Day 08-03-2020	YRC	20	100
Student Entrepreneurship Development Programme – 22-06-2020	SELF INDIA TRUST	70	460
Yoga Day -21-06-2020	YRC	20	100
[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
Personality Development Programme	To train SC/ST students of SPCET	AICET - SPDP	146
Skill Training programme	To train uneducated students (not belong to SPCET) – Computer peripherals training and CNC training	AICTE-PMKVY	40
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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
Entrepreneurship Development	DST	Entrepreneurship Awareness Camp sponsored by "National Science and Technology Entr	10	100

					epreneurship Development Board" organized on 12.02.2020.		
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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
No Data Entered/Not Applicable !!!			
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
MoU	Internship	Asictron Control Systems	25/11/2019	09/12/2019	13
Internship	Internship	Retech Solutions	11/12/2019	13/12/2019	15
Internship	Internship	One Yes Technologies	10/12/2019	14/12/2019	01
MoU	Internship	Asictron Control Systems	02/12/2019	04/12/2019	19
Inplant training	Inplant training	Madras Fertilizers Limited, Manali	11/12/2019	13/12/2019	01
Internship	Internship	Ti Anode Fabrication Private Limited, Madambakkam, Chennai	09/12/2019	14/12/2019	05
Inplant Training	Inplant Training	IP Rings Limited Maraimalai Nagar Chennai	11/12/2019	14/12/2019	04
Internship	Internship	Ds Techno Rubber Private Limited	02/12/2019	07/12/2019	07
Internship	Internship	United	02/12/2019	06/12/2019	04

In-Plant Training	In-Plant Training	Breweries Limited, Chennai			
In-Plant Training	In-Plant Training	Lennox Clean Air Technologies, Hyderabad	13/12/2019	18/12/2019	01

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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
LEMA LABS Technologies PVT LTD	17/07/2019	Robotics |Projects	15
Path Finder Solutions Pvt Ltd, Chennai	27/09/2019	Seminars and industry visit	65

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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
6700000	5545000

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
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)		
Autolib	**Fully**	**5.1**	**2008**

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	**23600**	**8031690**	**200**	**120120**	**23800**	**8151810**
Reference Books	**327**	**223000**	**0**	**0**	**327**	**223000**
e-Books	**1**	**13570**	**1**	**13570**	**2**	**27140**
Journals	**81**	**190040**	**88**	**210401**	**169**	**400441**
e-Journals	**3**	**1278638**	**1**	**531570**	**4**	**1810208**
CD & Video	**438**	**1404**	**0**	**0**	**438**	**1404**
Library Automation	**1**	**42000**	**1**	**11800**	**2**	**53800**
Weeding (hard & soft)	**0**	**0**	**0**	**0**	**0**	**0**
Others(specify)	**4557**	**1540233**	**0**	**0**	**4557**	**1540233**

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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.Arun praveen	**Knuckle joint design**	**LMS**	**17/06/2020**
Dr.G.Umarani Srikanth	**Minimizing the DFA states**	**LMS**	**20/06/2020**
Dr.R.Radika	**Discrete Fourier Transform**	**LMS**	**08/06/2020**
Ms.Evangelin	**Quality Management**	**LMS**	**27/06/2020**
Mr.B.Ganesh	**Indian Contract Act 1872**	**LMS**	**02/07/2020**

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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	718	8	718	10	3	10	718	100	0
Added	0	0	0	0	0	2	0	0	0
Total	718	8	718	10	3	12	718	100	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Mobile phone	https://www.youtube.com/watch?v=Hrb-UOwTnVQ&t=93s
video shoot room	https://drive.google.com/drive/folders/1xv1B5hsnG3WnZmDByo3xEY0Muzxjn6MP
video shoot room	https://drive.google.com/file/d/1laB6isg3OYQjsuumzipfjFE5o9oOGxOC/view?usp=drive_web
Mobile phone	https://www.youtube.com/watch?v=HRYd068hAII
video shoot room	https://drive.google.com/file/d/1laB6isg3OYQjsuumzipfjFE5o9oOGxOC/view

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
5000000	3673904	2245000	1875000

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 ensures optimal allocation and utilization of the available financial recourses for maintenance and upkeep of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received the college as per the requirements in the interest of students. Laboratory Record of maintenance account is maintained by lab technicians and supervised by HODs of the concerned departments. Other measures to maintain laboratories are as follows: The calibration, repairing and maintenance of sophisticated lab equipments are done by the technicians of related owner enterprises. Centralized computer laboratory has been established and maintained in the college. Computer maintenance through well trained technical staff is done regularly and non-repairable systems are disposed off. Library To promote a spirit of continuous learning among its students, we assures peaceful and enriching hours in the Central Library. Air conditioned central library that has a seating capacity of 300. In this fully automated

library, students and staff members can search the books by author, title, Acc. No. Publisher or subject heading and their availability. Our Central Library is an Institutional member of prestigious libraries such as the DELNET, AICTE – ELSEVIER, AICTE – IEEE Delhi. Sports: Regarding the maintenance of indoor games like Badminton,Table Tennis, Chess Carom, Gym Fitness Equipment and outdoor games like Foot ball, Cricket, Volley ball , basket ball etc. college sports coaches consult the management staff and based on allocated fund they maintain the same. Classrooms At the departmental level, HoDs submit their requirements to the Principal regarding classroom furniture and other. The college development fund is utilized for maintenance of furniture and other electrical equipments. With the help of the full time sweepers cleanliness of class rooms is maintained. A complaint register is maintained in office in which students as well as faculty can register their problems which areresolved within a set time frame. Students are sensitized regarding cleanliness and motivated for energy conservation by careful use of electricity in classrooms. There are technicians, masons, plumbers, carpenters deputed by management who ensure the maintenance of classrooms and related infrastructure. Classrooms, Staffrooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly by staff assigned for each floor. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. The Green Cover of the campus is well maintained by a full time gardener. Optimum working condition of all properties/ equipment on the campus is ensured through annual maintenance contracts Transport The College has a fleet of 30 buses to transport students and staff from various parts of the city and its neighbourhood areas to the College and back home Transport facility will be arranged to every student. Every student is expected to avail the transport facility to enable him/her to be punctual to come to the College. Buses has been cleaned by the drivers and maintained by the transport Incharges.

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	nil	0	0
Financial Support from Other Sources			
a) National	SC/AdiDravidar	12	11952910
b)International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Language Lab	01/07/2019	452	MANAGEMENT
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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	Number of benefited	Number of students who	Number of studentsp placed

		students for competitive examination	students by career counseling activities	have passedin the comp. exam	
2019	Smart Training	0	6	0	2
2019	GATE Preparation	19	17	0	0
2019	TANCET preparation	10	8	2	2
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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
5	5	15

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
Tech Mahindra, Airtel, CSS Corp Pvt Ltd, Operations,Sutherland, Qspiders, Algoritz Web Technologies, Vinsinfo (VinayakInfotech)	477	147	Shinsung Petrochemical Pvt Ltd, Sidharth Foundations And Housing, exaware Technologies, Covenant Consultants, Electricals Pvt Ltd, Atos Syntel, Infosys, TCS, Shiash Info Solutions	185	25
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	BE	Aeronautical Engineering	MIT Campus, Chrompet, Anna University	M.E Aerospace

2020	6	BTECH	BIOTECHNOLOGY	Anna University, Chennai	Environmental Science and Technology, Biopharmaceutical technology
2020	1	BTECH	Chemical Engineering	A.C.Tech, Anna University Chennai	M.Tech (Leather technology)
2020	5	BE	Mechanical Engineering	Canadian Universities	Master of Science
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Any Other	2
No file uploaded.	

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

Activity	Level	Number of Participants
Cultural – solo and dual dance	INTER-COLLEGE	1
Certificate Courses	NATIONAL	7
E-Quiz	NATIONAL	13
Webinars	NATIONAL	40
Symposium	NATIONAL	100
Handball	zonal	1
Other games	Zonal	143
Hockey (men)	Zonal	18
Handball (men)	Zonal	14
Football (men)	Zonal	18
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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
2020	Man of the Match	National	1	Nill	112718631023	Mr.Jeyaprakash
2020	3rd Prize-received from	National	Nill	1	112719631027	Mr.Keerthinivasan

	Honorable Governor					

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

The college does not have formal Student Council. However, students are part of various committees such as symposium Committee, sports committee, cultural committee, National and International Conference committees etc. The committees are formed to organise the proposed events. Also, students are members of Anti-ragging committee and Library Advisory committee. Students are members in academic bodies such as class committees. Student representatives play active role in the conduct of programmes organized by NSS, YRC, EDC, HSC and Placement cell. These committees used to provide ample opportunities for the students to exhibit their talents and improve their leadership qualities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Institute takes initiative to reunite the Alumni periodically. The institution maintains a smooth network with the Alumni through Emails, Letters, LinkedIn, Facebook, Whatsapp, Twitter and Invitation cards for various programmes in the college and also through personal calls to the Alumni. The Placement Cell takes initiative by contacting the Alumni for placement purpose. They contact the Alumni through telephone or mail regarding the placement opportunities available for the forth coming batches in their organizations. Registration/information forms are given to the Alumni students to fill their details, during the alumni meet so that it would be easy for the Placement Cell to collect their data and also to know their details as to where they are working and to what position they have grown. This would be highly beneficial from the students focus in getting employment opportunities in reputed organizations. Mr.Shivaprakash, former faculty of Mechanical Engineering, who is currently an entrepreneur (Pollachi Coconuts) stays in touch with the ED Cell and also provides guidance to many budding student entrepreneurs. Mr.Shivaprakash has also addressed the students on the growing opportunities in entrepreneurship. The following are activities performed: • A strong Alumni Database is created and maintained with the Internal Quality Assurance Cell and Placement and Training cell • Alumni Meet to facilitate relationship. • Alumni handle classes for their juniors when they are available to discuss corporate world and the latest topics in their respective field. • Alumni recording their suggestions/comments/feedback about the corporate world and the latest trend. • Alumni Feedback (about the curriculum, syllabi and regulations etc.,) Alumni take part in the Internal Quality Assurance Cell meeting to record their views.

5.4.2 – No. of enrolled Alumni:

<div align="center">4000</div>

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

<div align="center">70000</div>

5.4.4 – Meetings/activities organized by Alumni Association :

<div align="center">Alumni meeting was conducted on 09.02.2020</div>

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 Principal, Heads of all Departments and various committees participate in decision making which create an organizational democracy. Powers and responsibilities are delegated to teachers on the basis of their competence, commitment and aptitude to meet the Institutional objectives. The top management does not interfere in these implementations. At the department level, individual faculty members are responsible for implementing the plans at various stages and they will be guided and monitored by the respective Heads of the Departments.

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
Industry Interaction / Collaboration	Departments are encouraged to make their courses of study relevant toindustry. Industrial visits, guest lectures by industry experts and domain experts are regularly conducted. Department is constantly in consultation with the industries inaround Chennai for the student's projects through MoUs. There are many faculty members on rolls who haveworked in Industries like CLRI, TRIL, BSNL, IBM etc, and their availability in the college has been helping to maintain good industry interaction. It will be helpful in receiving research and consultancy projects
Admission of Students	Since the Institution is an affiliated Institution of Anna University, the student's admission is done through university norms. Students get admission by counselling process conducted by DOTE and by management quota. Besides government scholarships the management too offers merit scholarship for the deserved candidates.
Human Resource Management	The country's highest investment is Human Resource Capital. All companies and educational Institutions need right investment for a strong foundation. Institution plays a vital role in appointing eminent teaching faculties for the betterment of the Institution. Institution has an advantage of recruiting faculties who expertise in both teaching and research. Our faculty members interact with the Industries for mutual benefits

Library, ICT and Physical Infrastructure / Instrumentation	The library has active systems in the Digital Library section with Internet access facility. Online subscription to 90 International Journals arranged under Institution of Electrical and Electronics Engineers (IEEE) memberships. Our Library is repository of information in all the branches of Engineering, Technology and Management. It has a good collection of text books, reference books, adequate number of magazines and journals. It also has a digital library with NPTEL materials and e- journals. Well furnished separate hostels are provided for boys and girls. The portfolios such as recreation hall, Central library, Health care facilities, computers, and internet facilities are made accessible for the hostel students.
Research and Development	The Institution promotes RD activities by way applying funded projects to various funding agencies, Publication of research papers in conferences and Journals, Patent filing, Consultancy works, and Industry Institute Interaction. Facilities arranged to disseminate the faculty research works by conducting Research Forum meeting on bimonthly on Wednesdays
Examination and Evaluation	Since the Institution is an affiliated Institution of Anna University, the students attend university examinations semester wise. The university conducts examinations two times per year. Examination cell is formed to carry out the process. The results are declared by the university. As for the internal marks are concerned, the Institution has the method of conducting unit tests and model exams. Initial phase starting with first unit test, the students who could not score well are earmarked as slow learners for whom special attention is given to strengthen the academic results
Teaching and Learning	Effective delivery of curriculum is achieved by making use of effective teaching practices by adopting various methods such as using smart board, power point presentation, digital library, NPTEL, EDUSAT facilities, and the websites of certain renowned foreign universities, which have been proved in making the teaching learning

	programme effective. It is evaluated interms of continuous internal assessment tests. The effectiveness of this programme is being measured by the continuous feedback collection from the students from where the teacher is asked to improve themselves for the betterment of the student community.
Curriculum Development	Institution carries different strategies for the successful implementation and the development of curriculum. The course-plan and lesson-plan are prepared at the commencement of every semester. Before the beginning of every semester the course plan is being prepared and brought to students to be aware over the proposed activities of the semester whereas the lesson plan would describe the syllabus within the allocated hours. The college calendar contains the details about the functioning of the college with respect to the working days, holidays, guest lectures, symposium, college day, assessment tests, exams etc.

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

E-governace area	Details
Examination	Since the Institution is affiliated to Anna University, examinations are conducted as per Anna university norms. After the announcement of results, concern heads of departments and teachers are called for result analysis meeting. Based on the results, special coaching classes are arranged to weak students. Coaching classes would be conducted separately for slow learners. To improve the results, actions are taken with keen interest. Few students got university ranks and passed with merit. University exams are being conducted on semester pattern and college practices unit test pattern. Unit tests are conducted after the completion of every unit on Saturdays and Mondays at first two hours. Based on the marks secured in the unit tests and with other necessary parameters, internal marks would be awarded and sent to the university.
Planning and Development	Institution has MIS software called Insproplus, which helps the institution to plan the Academic schedule for the semester. Accordingly faculty prepares their Lesson Plan and course delivery plan to keep track of syllabus

	coverage.
Administration	MIS software has been utilised effectively by the Institution in maintaining student details like their personal, academic, extracurricular, co-curricular activities, staff attendance, subjects results etc. Each and every student and staff had been given a login to update their details and even to intimate the performance of the students to their parents.
Finance and Accounts	The process of dispersing salaries to teaching and nonteaching staff is computerized. Fee payment process by students is also digitized.
Student Admission and Support	Students are admitted by Management quota and by the single window systems adopted by DOTE, Chennai. The course registrations, including professional and open electives are done online before the last date as per Anna University schedule

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	Nill	Nill	Nill	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	WORKSHOP	Aircraft metallic materials and their application	01/06/2020	02/06/2020	90	Nill
2020	WEBINAR	Webinar on "Current and Sustainable Trends in Food Biote	09/05/2020	09/05/2020	91	15

		chnology"				
2020	WEBMINAR	Webinar on "Biogas based Refineries"	27/07/2020	Nill	85	11
2020	VIRTUAL WORKSHOP	Virtual workshop on "Computer Aided Drug Design	27/07/2020	30/07/2020	11	12
2020	Online Workshop	Online Workshop on "Basic Simulation in Aspen Plus"	13/05/2020	13/05/2020	52	10
2020	Webinar	Webinar on "Scope and Opportunities of Chemical Engineering"	06/06/2020	06/06/2020	45	10
2020	FDP	FDP on "Advanced Technologies in Chemical Engineering"	23/06/2020	26/06/2020	70	1
2020	Online Short Term Training Programme	Online Short Term Training Programme on "Sustainable Transport for Smart Cities	24/08/2020	29/08/2020	35	5
2020	Online Short Term Training Programme on "Sustainable Transport for Smart Cities"Online Short Term Training Programme	Online Short Term Training Programme on "Sustainable Transport for Smart Cities"	20/07/2020	25/07/2020	64	10
2020	Online FDP	Online FDP on	29/06/2020	02/07/2020	70	9

| | | “Research Trends in Civil Engineering | | | | |

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
FDP on "Heat Transfer and Computational Fluid Dynamics Towards Industrial Applications"Organized byDepartment of Mechanical Engineering, Sri Sairam Institute of Technology , Chennai	1	12/06/2020	18/12/2020	5
FDP on "Recent Innovations and Futuristic Scope For Research in Internal Combustion Engines" organized by Department of Mechanical engineering , St Joseph's College of Engineering, Chennai	1	29/06/2020	04/07/2020	6
FDP on "Recent Developments in Solar Energy Recovery and Storage Technologies"organized by Department of Mechanical Engineering , St.Joseph's College of	1	03/08/2020	08/08/2020	6

Engineering, Chennai				
FDP on "Fundamentals on Automotive Systems" organized by SWAYAM, AICTE	1	02/01/2020	01/04/2020	3
Certification Programme on "Introduction To Rocket And Satellite Engineering"organized by CYGNUS AEROSPACE, Russia	1	12/04/2020	17/04/2020	6
FDP on "Nanotechnology in Agriculture" conducted by SWAYAM –AICTE	1	26/08/2020	18/10/2020	6
FDP on "Virtual Teaching" organized by Coimbatore Institute of Technology	1	20/04/2020	21/04/2020	6
FDP on"Novel Microbes and Newer Threats" organized by Sathyabama Institute of Science of Technology, Chennai	2	20/04/2020	02/05/2020	6
FDP on"Novel Microbes and Newer Threats" organized by Sathyabama Institute of Science of Technology, Chennai	1	01/06/2020	06/06/2020	6
NPTEL course on heat transfer	1	29/07/2020	18/10/2020	6
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching	Non-teaching

Permanent	Full Time	Permanent	Full Time
187	187	39	39

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
PF, ESI, Group Insurance,Maternity Leave, MarriageLeave	PF, ESI, Group Insurance,Maternity Leave, MarriageLeave	Group Insurance

6.4 – Financial Management and Resource Mobilization

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

The Institution has both internal and external audit done by qualified chartered accountants for every financial year. Last audit was done for thefinancial year 2019-2020. There is no audit objections pointed out and hence compliance does not arise. The tuition and other fees paid by the students is the major source of receipts for the Institution. The Institution has adequate reserve funds and hence the question of deficit does not arise. The audited income and expenditure for the previous three years are enclosed.Institution has a robust Internal control system by conducting regular Internal Audits concurrently.As per the compliance the statutory audits are conducted regularly.

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
All India Council for Technical Education	366000	To conduct Short Term Training Programme on "Sustainable Transport for Smart Cities"

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6.4.3 – Total corpus fund generated

381000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO	Yes	other department
Administrative	Yes	ISO	Yes	Other department

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

1. Feedback on curriculum 2. Feedback on overall discipline 3. Support for Internships Placements.

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

1. Organizing communication skills training thrice a year. 2. Soft skills training programmes. 3. Technical staff to undergo training for new software and equipment.

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

* Recruitment of faculty with higher qualification Ph.D. • Conducting value added courses to strengthen the employability of students • To apply more research project

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	Intellectual Property Rights (IPR), Basics of Patent Practice in India and Tips for clearing Patent Agent Exam	02/12/2019	02/12/2019	03/12/2019	80
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Women Empowerment	21/10/2019	21/10/2019	227	0
Personal Hygiene	23/12/2019	23/12/2019	221	0

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

Percentage of power requirement of the University met by the renewable energy sources
The total capacity of solar PV plants in the campus is 1kW with seasonal tilt type, single axis oriented and polar tracking type. More than 10 of the power requirement of the college are met by these plants. No pollution, less maintenance and it is of grid connected type, where power can be fed to the grid when we don't use. Solar power is used for requirements in Boys and Girls hostel towards heating and lighting systems. Recycling of waste water for watering plants and landscape development are available

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0
Any other similar facility	Yes	0

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
2020	1	1	24/02/2020	7	school cleaning	Cleaning, Traffic rules to be followed	35
2020	1	1	20/01/2020	1	Awareness programme	Workshop on Awareness about latest technologies	100

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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)
System Procedure	29/11/2019	1. Faculty Leave Procedures 2. Placement Procedure

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International YOGA celebrations	21/06/2019	21/06/2019	90

E-DAY	10/03/2020	10/03/2020	100

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

Use of plastic banned in the campus • LED lamps partially fixed in the campus Solar panels installed and use solar energy • Tree saplings regularly •Awareness programme organised to students • Solid waste segregation •Sprinklers for landscape and lawns.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Research Forum To enrich the research ambiance further in the Institution, Research Forum as been formed. A fortnightly meeting of the forum is conducted to deliberate on research topics of interest manifested by various departments. Through this forum, the research activity is discussed and knowledge is exchanged to help existing and prospective research scholars, interested faculty members and students 2. Slip Test: Conducting surprise tests at the end of every period is practiced in our Institution. The duration of test will be 10 to 15 minutes at the end of the lecture. The Question pattern will be descriptive/objective/analytic from the topic taught in that hour and answerable within the stipulated time limit.

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

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

The continuous assessment system followed by this institute is very much distinctive. Methods followed for assessment system includes Slip tests, Unit tests, Model exams, assignments and retests. The slip test will be conducted at the end each of period for about 10 minutes. This slip tests will improve the students listening capacity. Unit tests will be conducted after the completion of each units and conducted on every Monday and Saturday for two hours.Finally, the model exam will be conducted for the entire syllabus for every subject. If the students' performance is not satisfactory in the unit tests/model exams conducted, then they will be provided opportunity to improve the performance by conducting retest with additional coaching. A thorough analysis has been carried out and the feedback is collected for betterment.Based on the feedback, necessary changes are made. The above process is being carried out under the guidance of the Principal and coordinated by the Dean Academics.

Provide the weblink of the institution

www.spcet.ac.in

8.Future Plans of Actions for Next Academic Year

• To get autonomous status for the Institution • To establish Permanent affiliation for the departments which are not yet received • To obtain NBA accreditation for all departments.