

Internal Quality Assurance Cell (IQAC)
**St. Peter's College of Engineering and
Technology**

(Affiliated to Anna University, Chennai)
(Approved by AICTE, New Delhi)
(An ISO 9001:2008 certified institution)

Annual Quality Assurance Report (AQAR)
(2016-2017)

Submitted to

National Assessment and Accreditation Council

Bangalore, India

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The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

1. Details of the Institution

1.1 Name of the Institution:

ST.PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

1.2 Address Line 1:

COLLEGE ROAD

Address Line 2:

AVADI

City/Town:

CHENNAI

State:

TAMIL NADU

Pin Code:

600054

Institution e-mail address:

principal@spcet.ac.in

Contact Nos.:

(044)2655-8089/ 26558091

Name of the Head of the Institution:

Dr. S. SELVAN

Tel. No. with STD Code:

(044)26558089/ 26558091

Mobile:

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID : NOT AVAILABLE.

1.4 NAAC EXECUTIVE COUNCIL NUMBER AND DATE: NOT AVAILABLE

1.5 Website address:

Web-link of the AQAR:

1.6 Accreditation Details:

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.01	2016	5 Years

1.7 Date of Establishment of IQAC: DD/MM/YYYY

1.8 AQAR for the year (for example 2010-11)

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011))

AQAR	SUBMITTED ON
2016-17	First submission – September 2017

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes (AICTE) No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid+ Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.12 Name of the Affiliating University (*for the Colleges*) ANNA UNIVERSITY

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University NO

University with Potential for Excellence NO

UGC-CPE NO

DST Star Scheme NO

UGC-CE NO

UGC-Special Assistance Programme NO

DST-FIST NO

UGC-Innovative PG programmes NO

Any other (*Specify*) NIL

UGC-COP Programmes NO

2. IQAC Composition and Activities

2.1 No. of Teachers 7

2.2 No. of Administrative/Technical staff 2

2.3 No. of students 1

2.4 No. of Management representatives 1

2.5 No. of Alumni 1

2.6 No. of any other stakeholder and
Community representatives -

2.7 No. of Employers/ Industrialists 2

2.8 No. of other External Experts 1

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders No. Faculty

Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

QUALITY IMPROVEMENT IN HIGHER EDUCATIONAL
INSTITUTION USING ICT AND MOBILE TECHNOLOGY
(Proposed to be organised during October 2017)

2.14 Significant Activities and contributions made by IQAC

1. Two departments are identified as having potential for creating centre of excellence namely Department of Civil Engineering and Department of Mechanical Engineering.

Sl. No.	Department	Proposed Name of Centre of Excellence
1.	Civil Engineering	Centre for Green Energy and Materials
2.	Mechanical Engineering	Centre for Sustainable Design and Manufacturing

2. Collected monthly activities of the departments to monitor and improve the performance.

3. Research projects proposals submitted to various funding agencies such as AICTE, DST, BRNS, MOEF, DRDO, TNSCST and ISRO for a total amount of 2 crores (List enclosed).

4. Motivated students encouraged to apply for projects through funding agency such as TNSCST and Institute of Engineers.

5. Organised 28 motivational lectures and skill and personality development programmes for the students in order to improve their employability.

6. Organised research forum meetings regularly to disseminate research work carried out by faculty members.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year

Plan of Action	Achievements
Enclosed as Annexure – A (Plan of Action by IQAC/Outcome)	

2.16 Whether the AQAR was placed in statutory body Yes No

Management

Syndicate

Any other body Governing Council

Provide the details of the action taken

Governing council approved the activities planned and appreciated the efforts taken by IQAC for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution. A copy of AQAR was placed on 9th September 2017 in the Governing Council meeting for consideration before submitting to NAAC.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	0	0	0	0
PG	5	0	5	0
UG	9	0	9	0
Others	-	-	-	4
Total	14	0	14	4

Interdisciplinary	Courses like Environmental Science (UG), Mathematics,(UG) and add on courses involve faculty members from different Departments of the College.
Innovative	Skill Development Programmes

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options: NA

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	14
Trimester	0
Annual	0

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

Enclosed an analysis of the feedback from stakeholders in the Annexure –B

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

YES

As the College follows the Syllabus and Curriculum of Anna University there is no scope of internal curricular designing, revision or up-gradation. For the students admitted in the academic year 2017-18, Anna University has introduced new regulations, curriculum and syllabus. This new regulation has many special features including choice based credit system.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

UG PROGRAMMES	NO
PG PROGRAMMES	NO
OTHER PROGRAMMES	NO

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

TOTAL	Asst. Professors	Associate Professors	Professors	GLI	CWTT	PTT
233	178	32	23	-	-	-

2.2 No. of permanent faculty with Ph.D.

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
1	0	6	0	1	0	4	0	12	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

2

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	3	57	48
Presented	2	15	28
Resource Persons	1	12	6

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- EDUSAT program of Anna University is made available to students. Through this system, live expert lectures are relayed to our classrooms and students can interact with the experts and the institute is aerially connected to Anna University through satellite.
- An online learning system of NMEICT called as Spoken Tutorial developed by IIT Bombay aids our students in online learning and usage of various open source software. Our students participate in software training workshops and the tests conducted by Spoken tutorial.
- Class rooms with state of the art resources like LCD Projectors, Wi-Fi connectivity, custom made desks for Lap Top/Desktop connections are provided in our Institute.
- Slip tests are conducted at the end of every lecture period to make the students to fathom the concepts taught as well as to weigh the level of understanding.

2.7 Total No. of actual teaching days during this academic year 180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Affiliated to Anna University, Chennai. All the reforms initiated by AU are being followed.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

Dr. K. Purushothaman Professor and Head, Department of Mechanical Engineering is acting as a member in syllabus committee for Mechanical Engineering Department in Anna University.

2.10 Average percentage of attendance of students

90% average. 75% of attendance in both Theoretical and Practical classes is mandatory to appear in the University Examinations.

2.11 Course/Programme wise distribution of pass percentage:

Name of the Course / Programme	Academic Year	Year	Semester	No. of Students Appeared	No. of students Passed	Pass %
B.E.AERONAUTICAL ENGINEERING	2016-2017	II	3	6	2	33.33
			4	6	1	16.67
		III	5	13	6	46.15
			6	12	3	25
		IV	7	39	24	61.55
			8	39	23	58.97
B.E CIVIL ENGINEERING	2016-2017	II	3	44	13	29.55
			4	44	7	15.91
		III	5	49	25	51.00
			6	48	19	39.58
		IV	7	49	10	20.40
			8	50	35	70.00
B.E COMPUTER SCIENCE AND ENGINEERING	2016-2017	II	3	42	6	14.29
			4	42	5	11.90
		III	5	75	43	57.40
			6	74	17	22.97
		IV	7	93	57	61.20
			8	93	80	86.02

B.E ELECTRONICS AND COMMUNICATION ENGINEERING	2016-2017	II	3	63	16	25.39
			4	63	5	7.94
		III	5	92	41	44.56
			6	92	21	22.83
		IV	7	146	61	41.78
8	147		104	70.75		
B.E –ELECTRICAL ENGINEERING	2016-2017	II	3	34	1	3.40
			4	34	3	8.82
		III	5	47	12	25.53
			6	47	11	23.40
		IV	7	56	16	28.57
8	56		39	69.64		
B.E –MECHANICAL ENGINEERING	2016-2017	II	3	151	50	33.11
			4	150	43	28.67
		III	5	171	42	24.56
			6	166	54	32.53
		IV	7	164	85	51.82
8	165		147	89.09		
B.TECH – INFORMATION TECHNOLOGY	2016-2017	II	3	17	2	11.76
			4	17	3	17.65
		III	5	20	9	45.00
			6	20	5	25.00
		IV	7	42	25	59.50
8	41		29	70.70		
B.TECH – BIOTECHNOLOGY ENGINEERING	2016-2017	II	3	32	16	50.00
			4	32	10	31.25
		III	5	40	24	60.00
			6	41	19	46.34
B.TECH – CHEMICAL ENGINEERING	2016-2017	II	3	47	13	27.65
			4	48	22	45.83
		III	5	48	16	33.33
			6	48	27	56.25
M.B.A	2016-2017	I	1	38	22	57.89
			2	38	22	57.89
		II	3	41	29	70.73
			4	41	40	97.56

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

IQAC is managed by senior faculty members under the coordination of Dean (Academics). Principal is the chairman of IQAC. The cell primarily has an advisory role in Academics, research, Training, Faculty development and Placements. The cell assesses the societal needs, Employer needs, Parental demands and student aspirations and accordingly guides the departments to conduct various certificate courses and value-added programmes. The feedback of such programmes are collected and analyzed by the cell and suitable recommendations are made for future improvements. Recommendations and Suggestions made are implemented and this has always resulted in qualitative improvement of Teaching-Learning process.)

1. Before beginning of the academic year, IQAC meeting is conducted with the following objectives:

- To discuss and monitor the Teaching – learning methodology including pedagogy to be used.
- To discuss/identify the Best Practices to be followed
- To discuss the Innovations to be introduced in the forthcoming years
- To decide the Strategic Plan of the Institution in teaching – learning methodology
- To discuss and record the various activities of Associations, Centres, Cells and Clubs and frame an Academic Calendar.
- To discuss the subject allotment, preparation of question banks, changes to be made in the website of the college, the internship opportunities and their improvement strategies, placement programmes, alumni meetings, admission improvement strategies and extension programmes.
- To discuss the identification strategy of slow learners and merit students.
- To discuss and finalise the certification courses to be conducted by various departments.

2. IQAC also records and reviews the patterns associated with the results when it is published by the Anna University and discuss the steps to be taken to improve the results.
3. To discuss and encourage the continuous improvement of faculty performance through self appraisal.
4. To recommend the support to be provided for Research and Development with the following objectives
 - Publications and Paper presentations
 - Deputing Faculty members for Seminars and Workshops
 - Organizing Guest Lectures
 - Organizing Workshops, Seminars & Conferences
 - Interdepartmental Presentations
5. To discuss the activities of the Student Guidance and Counseling cell.
6. To discuss and monitor the Student Feedback Mechanism and the placement related activities.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	4
UGC – Faculty Improvement Programme	0
HRD programmes	1
Orientation programmes	4
Faculty exchange programme	0
Staff training conducted by the university	4
Staff training conducted by other institutions	1
Summer / Winter schools, Workshops, etc.	5
Others	0

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	43	0	0	0
Technical Staff	38	0	0	2

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

1. IQAC regularly informs and encourages the faculty members to apply for research grants for projects to various funding agencies etc.
2. The college authorities provide all necessary infrastructural support including space and technical facilities for carrying out research work.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	0	-	2
Outlay in Rs. Lakhs	NIL	NIL	-	45 lakhs

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	7	NIL	-
Outlay in Rs. Lakhs	7 LAKHS	9LAKHS	NIL	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	7	3	10
Non-Peer Review Journals	3	3	7
e-Journals	2	-	-
Conference proceedings	7	7	8

3.5 Details on Impact factor of publications: NA

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned (LAKHS)	Received
Major projects	NIL	NIL	NIL	NIL
Minor Projects	1 YEAR	IIPM	0.1	0.1
Interdisciplinary Projects				
Industry sponsored	1 YEAR	Hi-Tech Concrete Solutions	0.15	0.15
Projects sponsored by the University/ College	1	SPCET R&D	5.0	1.0
Students research projects (other than compulsory by the University)	1 YEAR	SPCET R&D	9	9
OTHERS				
Total			9.25	9.25

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
INSPIRE CE

Any Other (specify)

Applied for DST, BRNS, Add on courses.

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	1	1	-	-	-
Sponsoring agencies	SPCET R&D,ICMR,CSIR	SPCET R&D	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	3
	Granted	-
International	Applied	NONE
	Granted	
Commercialised	Applied	NONE
	Granted	

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College
5	0	5	0	0	0	

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

6
22

3.19 No. of Ph.D. awarded by faculty from the Institution

0

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF	-	SRF	-	Project Fellows	-	Any other	-
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3.21 No. of students Participated in NSS events:

University level	50	State level	3
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National level	1	International level	0
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3.22 No. of students participated in YRC events:

University level	24	State level	4
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National level	2	International level	0
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3.23 No. of Awards won in NSS:

University level	0	State level	0
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National level	0	International level	0
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3.24 No. of Awards won in NCC:

University level	0	State level	0
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National level	0	International level	0
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3.25 No. of Extension activities organized

University forum		College forum	1
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NCC	0	NSS	1	Any other	1
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3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- NSS Unit of SPCET has organized 7 Days special Camp from 06.03.2017 to 12.03.2017 at Municipality High School, Konambedu, Avadi, Chennai-600 054. NSS Volunteers gained knowledge through community service.
- NSS and YRC Units of the college organised SADBHAVANA DIWAS on 20/08/2016.
- NSS and YRC Units also organized YOUTH AWAKENING DAY” on 15/10/2016.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	10 acre	-	UGC /MP Lad Fund, DST/DBT, Student Fees	
Class rooms	86	2		88
Laboratories	75	2		77
Seminar Halls	2	1		3
No. of important equipments purchased (≥ 10 lakh) during the current year.	10	3		13
Value of the equipment purchased during the year (Rs. in Lakhs)	95L	26L		121L
Others	-	-		-

Our institution is meticulously and continuously planning to improve the infrastructure in line with the academic growth as per the AICTE and Anna University norms. Prior to the commencement of the first academic year of the college, the management had thoroughly planned the infrastructure and had executed the same. The class rooms, furniture, basic laboratories and workshop were all kept ready for the beginning of the first academic year 2008-2009. Laboratories, computers, equipments, accessories and furniture were added as the years progressed for the smooth and efficient conduct of the institution.

4.2 Computerization of administration and library

OPAC	Online Public Accessing Catalogue is used to access to the Library Books and Periodicals. Through OPAC, details about Call Number, Subject, Department, Author and Publication can be retrieved.
Electronic Resource Management package for e-journals	Proquest and IEEE are the electronic resource management packages available in the library
Federated searching tools to search articles in multiple databases	GOOGLE, YAHOO, WIKIPEDIA and BING are searching tools most frequently used
Library Website	Intranet is provided for electronic resources like IEEE Journals, ASME, ASCE and NPTEL.
In-house/remote access to e-publications	OPAC, Through OPAC details about publications can be retrieved
Library automation	Auto lib Software -All the learning resources are installed in Auto lib Software.
Total number of computers for public access	20 Computers
Total numbers of printer for public access	2 Printers
Internet band width / speed 2mbps- 10 mbps - 1 gb (GB)	100 Mbps speed
Institutional Repository	Multiple resources like CD, DVD (DIGITAL LIBRARY) etc. are available in the library for all the students to gain knowledge
Content management system for e-learning	IEEE, ASME, ASCE and NPTEL
Participation in Resource sharing networks/consortia (like Inflibnet)	DELNET, British Council are helpful to locate the books which are unavailable in public bookshops.

4.3 Library services: **

	Existing (Approximate value)		Newly added		Total (Approximate value)	
	No.	Value	No.	Value	No.	Value
Text Books	27412	Approx 90 lakhs	1,174	4,14,648	28516	Approx 94 lakhs
Reference Books	290	Approx 3.46 lakhs	37	28,686	327	Approx 3.54 lakhs
Journals	2808	Approx 16 lakhs	90	1,76,310	2898	Approx 17.76 lakhs
e-resources CD's,e-books,e-Journal)	1805	Approx 30.15 lakhs	6	12,54,060	1811	Approx 42 lakhs
British council		12,200		1,100		Approx 0.13 lakhs
Delnet		28,000		11,500		Approx 0.39 lakhs
<p>SPCET Library is repository of information in all the branches of Engineering. NPTEL lecture series are available in the library in soft forms in Hard drives. In addition, learning materials of reputed universities like Caltech, Stanford, Cornell and MIT are used by the faculty members and students for effective teaching learning process. The Library subscribes to various Journals in print form and also e- journals of ASME, ASCE and IEEE.</p>						

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	982	6	Connected to 100Mbps speed	1	1	13	25	0
Added	0	0		0	0	1	0	3
Total	986	6		1	1	14	25	3

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

SPCET has excellent technological facilities required for effective teaching learning process. Class rooms with state of the art resources like LCD Projectors, Wi-Fi connectivity, custom made desks for Lap Top/Desktop top connections are provided in our Institute. These class rooms are also equipped with traditional white / Black boards and suitable for both Lectures and Group discussions. An online learning system of National Mission on Education Through ICT (NMEICT) called as Spoken Tutorial developed by IIT Bombay aids our students in online learning and usage of various open source software. Our students participate in software training workshops and the tests conducted by Spoken tutorial.

4.6 Amount spent on maintenance in lakhs :

i) ICT	4.0
ii) Campus Infrastructure and facilities	4.08
iii) Equipments	11.0
iv) Others	35.0
Total :	54.08

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- IQAC, in the beginning of every academic year discusses with all the heads of the departments and finalises the programmes to be conducted which would enhance the students' skill sets, knowledge and attitude.
- It also recommends the important topics on value addition for conducting guest lecturers in order to emphasize the importance of certain values for a successful career and life.
- After discussing with the placement coordinators, the skills to be possessed by the students as per the companies visiting the campus for recruitment are assessed and recommendations made to the department and the placement cell for giving necessary and adequate training.

5.2 Efforts made by the institution for tracking the progression

The college follows student counselor system in which a tutor is made in charge of 25-30 students and it is his/her responsibility to continuously monitor the students' progression in terms of attendance, development of skills, performance in examination, sports activities and their involvement in community services. Periodically, it is reported to the head of the department and the Principal. In case the progress is not satisfactory the student is given counseling and constant encouragement to improve him or herself. The institution is tracking the progression of students through their internal and external academic performances. The institution provides more opportunities to the student's development and evaluates them on monthly basis. The academic progression will be identified through the internal assessments and the progression status of the students is collected from the counselor who are interacting with the students to know about their academic performance. Any difficulties faced by the students in the subjects are identified either through the class committee meetings or feedback recorded by them with the principal, so that suitable tutorial classes are arranged for them through special attention. The institution also entertains the co-curricular activities like participation in various seminars, paper presentation and departmental activities and extra-curricular activities like cultural participation, sports performances etc., to analyze their overall performance. Outstanding performance of students will be identified and are rewarded for their achievements.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1906	59	0	0

(b) No. of students outside the state

40

(c) No. of international students

NIL

No	%
1365	69.4

Men

No	%
600	30.6

Women

Last Year (2015-16)						This Year (2016-17)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
153	382	7	1782	0	2329	183	295	4	1483	0	1965

Demand ratio 13:1

Dropout % 3%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Students are guided by the Higher Studies Cell (HSC) in terms of appearing for competitive examinations, special awareness sessions are organized to increase the interest of our students towards higher studies in India and Overseas.

No. of students beneficiaries 133

5.5 No. of students qualified in these examinations

NET - SET/SLET - GATE 1 CAT -

IAS/IPS etc 4 State PSC - UPSC - Others -

5.6 Details of student counselling and career guidance

Student Counselling:

The class advisor system is followed to handle academic related grievances and other issues. Every class advisor provides guidance to students periodically to improve academic performance and skills. The class advisor with constant counselling helps the students to cope with their personal problems too. Also they take steps to realize their long term career goals and short term learning objectives. This counselling helps the students to perform effectively and efficiently in all academic related activities.

Career Guidance:

The institution organizes various training programmes to enhance the placement of the students. The training programmes like Group discussion, online based model test, aptitude test, mock interviews are conducted to enrich students' knowledge and to improve self confidence and communication skills. Alumni share their knowledge and experience through healthy discussions about the patterns, the growth and the status of the companies they are working in.

No. of students benefitted 346

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
6	350	238	41

5.8 Details of gender sensitization programmes

S.No	DATE	ACTIVITY	ACHIEVEMENT		
1	16.8.17	Gender Champions	Gender Champions are envisaged leaders who will facilitate an enabling environment within the institutions where girls are treated with dignity and respect. The following students are identified as gender champions.		
			S.No	Name of the student	Year & Branch
			1	Mr.T.Balavignesh	IV Year Aero
			2	Ms.E.Jayashree	IV Year BIOTECH
			3	Ms.J.Judith	III Year Chemical
			4	Mr.U.Manoharan	IV Year Civil
			5	Mr.Jibin Joel	II Year CSE
			6	Ms.P.Saranya	III Year ECE
			7	Mr.M.Mudhassir Ahmed	III Year EEE
			8	Ms. T.Tharuna Pandeswari	II Year IT
9	Ms.S.Priya	II Year MECH			
2	8.3.17	International Women's day celebration	Girls gain knowledge about Tips and Tricks to become Women Entrepreneurs		

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	-	-
Financial support from government	1550	1,68,00,000
Financial support from other sources	26	78,000
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed

No major grievances have been recorded during the year.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision

To emerge as a centre of excellence by providing high quality education in Engineering, Technology and Management and to contribute for the economic as well as societal growth of our nation.

Mission

- To impart strong fundamental and value-based academic knowledge in various Engineering, Technology and Management discipline to nurture creativity.
- To promote innovative Research and Development activities collaborating with Industries, R & D organizations and other statutory bodies.
- To provide conducive learning environment and training so as to empower the students with dynamic skill development for employability.
- To foster entrepreneurial spirit amongst the students for making a positive impact on remarkable community development

6.2 Does the Institution has a management Information System

For financial and administrative management, Management Information System is available. For academic management, an integrated software is being developed.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

As the College follows the Syllabus and Curriculum of Anna University there is no scope of internal curricular designing, revision or up-gradation. For the students admitted in the academic year 2017-18, Anna University has introduced new regulations, curriculum and syllabus. This new regulation has many special features including choice based credit system.

6.3.2 Teaching and Learning

To facilitate the achievement of the intended learning outcomes the following strategies are adopted-

- Preparation of teaching plan at the beginning of the semester.
- Allotment of subjects based on skill sets of the faculty members.
- Preparation of the course plan by the Faculty members.
- Innovative teaching methodologies like Multimedia lectures, Assignments, quizzes, Group discussions and case studies etc.

6.3.3 Examination and Evaluation

The formative evaluation is done by three continuous assessment tests conducted by the Institution. The continuous assessment marks secured by the students are periodically submitted to the University through its web portal. The continuous assessment aids in identification of the slow learners. Further counselling and special training are imparted to the slow learners to enable them to perform better in the Anna University Examinations.

6.3.4 Research and Development

1. Teachers are kept updated about available scopes for applying for research grants.
2. Space and necessary infrastructural support is provided for research work.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Central computing facility with internet connectivity has been installed for the benefits of all the students and various faculties.

- A well equipped Language laboratory is available to improve communication skills of students using ICT resources.
- At least one of the class rooms of each department is fitted with LCD projectors to enable power point presentation of the learning materials prepared by the faculty or downloaded from the open source course materials of standard institutions like Massachusetts Institute of Technology.
- Placement cell conducts online tests as part of campus placement.
- Information is sent to parents and students through bulk SMS service.
- NPTEL, Spoken tutorial from IIT, Bombay are used for self learning in addition to class room teaching.
- The students are also given net-based seminars, assignments and mini projects.
- Digital Library provides online access to e-journals and e-resources.

6.3.6 Human Resource Management

The human resource management of SPCET provides adequate opportunities for the uplift of the students and the faculty members to undergo higher studies as well as to involve in research and development activities. Above all, there is a Governing Council that advises and monitors human resource management of the college. The college's aim is to make optimum use of the available human resource.

6.3.7 Faculty and Staff recruitment

Wide publicity is given in the leading dailies for the recruitment of staff required for the concerned department of the college. A panel constituted by the college will conduct interviews and based on the merits the staff are selected as per the norms prescribed by the Anna University.

6.3.8 Industry Interaction / Collaboration

1. All departments carry out Industrial visits as part of the curriculum.
2. The college has signed MoU with 3 industries for placement.
 - International Institute of Project Management, Chennai.
 - Aricent Chemical, Krishnagiri.
 - M/s Business Standard Reasons, Chennai.
3. Student internships are arranged for final year and pre-final year students.
4. Students undertake final year projects in industries.

6.3.9 Admission of Students

The institution follows AICTE norms and the rules of the Government of Tamil Nadu for admission of students. The seats of SPCET are filled only on merit basis through Anna University and through Consortium of Self Financing Engineering colleges. Immediately after the Publication of higher Secondary examination results, the students submit their Engineering Admission applications to the Anna University. The AU ranks the applicants based on merit. The seats are allotted to the students through a single window system of counselling, adhering to the quota for different communities and according to the ranks secured. For the management quota seats, the seats are allotted purely on merit basis to the students based on the ranking by (CSFPASTN) Consortium of self financing professional, Arts & Science College in Tamil Nadu

6.4 Welfare schemes for

Teaching	Group insurance, Staff Credit Co-Operative Society, Accidental Benefit Schemes, Provident Fund.
Non teaching	Group insurance, Staff Credit Co-Operative Society Accidental Benefit Schemes, Staff Welfare Fund, Provident Fund, EPF.
Students	Student's Medical centre, Accidental Benefit Schemes, Free Studentship, Government Scholarships and Awards, Prizes.

6.5 Total corpus fund generated

Apprx Rs. 15,00,000/-

6.6 Whether annual financial audit has been done

Yes No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	---	ISO surveillance Team	yes	ISO and NAAC Coordinators (NAAC and ISO committee members)
Administrative	Yes	ISO surveillance Team	Yes	ISO and NAAC Coordinators (NAAC and ISO committee members)

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

Anna University holds and declares results of Under Graduate courses, hence the college has no control over the date of publication of results.

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- A web portal connecting the affiliated colleges and their faculty members to the office of the COE, Anna University has been created with the facility to schedule and to appoint examiners for the practical examinations and also to schedule and appoint examiners for central valuation / re-evaluation.
- Initiative for the implementation of total e-governance for the successful conduct of examinations has been done. In this connection, online data acquisition pertaining to students profile, attendance and internal assessment marks and the registration for the end semester examinations was implemented from Oct 2012 onwards. Further implemented the following in the online format
 - Registration of elective subjects.
 - Examination absentee's statement.
 - Registration for re-evaluation.
 - Registration for review.
 - Generation of hall ticket, nominal roll and attendance for the end semester examinations.
- Appointment of University Representatives, internal and external examiners for practical examinations, and examiners for central valuation/re-evaluation.
- Electronic question bank is prepared for most of the common subjects and is utilized for electronically generating the question paper.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

As the institution is affiliated to Anna University, promotion of autonomy is as per the university norms.

6.11 Activities and support from the Alumni Association

- 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.

6.12 Activities and support from the Parent – Teacher Association

- Letters sent to Parents (attendance and continuous internal assessment exams) about their wards.
- Parents’ participation in Alumni Meet.
- Parents’ participation in Graduation Day Function.
- Parents in Offer of Appointment Letter Distribution.
- Parents’ Feedback recorded by the respective departments.
- Parent teacher meets at the commencement of the academic year in which all the developmental activities done in the college are explained.

6.13 Development programmes for support staff

The non-teaching and the supporting staff are given training programmes on various aspects like usage of computers, the accounting package known as tally in order to be ready to develop a culture of paperless office and also given guidance to maintain the student database, alumni database, hostel database and other records associated with the stakeholders. They are encouraged to enhance their qualification joining distance education program. In case they become eligible for appointment to a higher cadre or to a teaching position they are considered

S.No	Date	Programme	No of staff benefitted
1	10.1.17	Road safety Awareness programme for Bus drivers	33
2	15.2.17	Training on “How to use computer”	21
3	20.3.17	Training programme for Masons on “Modern Construction Methods”	24

6.14 Initiatives taken by the institution to make the campus eco-friendly

The institute has taken various steps to promote a green environment within the campus.

- The students plant sapling in and around the campus.
- Usage of plastic covers is strictly prohibited in and around the campus.
- A separate estate officer is appointed in the college to take care of all these campus related activities.
- Waste water is recycled and used for the plants and trees.
- Initiatives are taken to install solar system to meet a part of the power consumption.
- The class rooms are spacious with lot of ventilation and hence it has also minimized the power consumption.
- Students and Staff are requested to switch off the fans and lights when not in use.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- A Facebook page for the institution has been created with the idea of hosting details of the activities of the college
- The college has been the pioneer in establishing SMS gateway used to send intimation to parents about their ward's performance and attendance detail regularly
- A group in Whatsapp is created for faculty as well as the students department wise to have instant communication regarding placement activities.
- A college magazine is released annually containing student achievement, articles.
- College newsletter is published once in a year containing faculty achievements, students participation and events conducted
- ESLP (Empowering Slow Learners Program): To address the challenges faced by the academically weak students, ESLP has been introduced in which efforts are taken to make the students understand the need to go out of the institution with a degree and a career along with thorough knowledge of the core engineering subjects.
- The library is having systems which are active 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. Also NPTEL materials are made available to students.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

1. The college administration proposed the implementation of online admission to bring transparency and avoid any malpractice. The college implemented the programme.
2. Placement training programme has been planned to be conducted from I year onwards and this is implemented.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

Practice #1

Title . *Research Forum*

Objective To be aware of the current research interest and motivate the faculty members and students to pursue research activity effectively and efficiently on common and specific social issues.

Context – Research and Development is the fulcrum of any country's socio economic progress activities. Educational institutes take lion's share of this arena in any country. To support this with proper perspective for innovation Research Forum is established. This forum extends supports to all researchers to nurture their research in leading issues of society in Science, Engineering and Technology and Management.

Practice – It is an open forum for faculty members and students interested in research. A fortnightly meeting scheduled for the members, in which the members are allotted slots to present their research interests for debate and then opportunity is given to members to discuss issues in the presentation and suggestions are solicited. The deliberations on the topics will be a support for the researchers to complete their work by strengthening the existing one through incorporating modifications.

Evidence of Success – The research scholars find ample opportunities to get supports from experts of concerned area and students are adopting the ideas discussed for their final year projects and paper presentations in other conferences and symposiums.

CASE STUDY

Resources Required –No resources required except extra time involvement from our faculties.

Problems encountered – There are no serious problems evidenced, but active debates leading to constructive criticism of concepts envisaged. The management extends adequate support to conduct this forum effectively.

Practice #2

Title – *Sliptest*

Objective – Making the students to fathom the concepts taught as to weigh the level of understanding, these tests are conducted. This improves the students listening practice and facilitates them to concentrate on the subject thought.

Context – It will enable the students to get clarified of doubts on the topics discussed. The curriculum which ought to have given more thrust on practical applications lacks in that

respect. Hence, to make the students technically sound and be thorough in knowledge and latest technology, this initiative has been established.

Practice- It is the responsibility of the teacher to know the student's level of understanding on the concepts and techniques taught. The gist of the lecture can be reviewed by this slip test. Based on the performance, the varied level of understanding by the students can be categorized and the same can be used to adopt certain modification in teaching methodology to give personal care. Further students may have a better practice on recognition and recollecting memory skill

Evidence of Success – Better practice to memory exercise. It will reduce student's burden of accumulating the subjects to study at the time of examination. Increased understanding ability leads to perform better in the end semester examinations, technical interviews, group discussions, strengthens innovative ability through demonstration mini projects and assignments.

CASE STUDY

Resources Required -The management is happy to provide needed stationery items and additional working hours to complete the syllabus in time

Problems encountered- In implementing the above process, no serious problems are encountered other than allotting a meagre portion of lecture hour but it is used to strengthen the teaching and making strong technical foundation among students..

7.4 Contribution to environmental awareness / protection

- Environmental Studies is included in the curriculum as a separate paper with credits. Hence the students are aware of the ways of protecting the environment.
- Guest Lectures are arranged on environmental degradation and the measures to be taken for preventing the same and the role played by the students in such an action was held on 22.2.17.
- Awareness programs are conducted by the students in the nearby villages on the factors responsible for environmental degradation, need for protecting the environment and growing more trees was held on 7.3.17 and 11.3.17.
- The use of plastics is banned in the institution.
- Waste water is recycled and used for trees and plants.
- Plantation of saplings is done on 10.3.17 in the college campus itself as a tribute to Dr.APJ Abdul Kalam - Operation Green movement was conducted as an awareness program.
- In order to create environmental awareness the students are instructed to dispose the waste in the dustbins that are placed in the classrooms and frequently visited places.
- Usage of plastic covers is banned inside the campus.
- Various awareness programs are organized in the college by the NSS forum on 8th to 10th march 2017.
- Incinerators have been installed in the women's hostel.
- All student and staff of the college are given awareness about switching off the fans and other devices when not in use.

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOC Analysis)

SWOC analysis done. (Annexure IV)

NPTEL sessions

The main objective of this exercise is to enhance the communication and technical skills of the students in their respective mindset.

NPTEL Digital Video Library - Features & Benefits of LocalGuru Software installed in the college campus which provides

- Easy Access to High Quality Learning Materials
- No Bandwidth Constraints (Internet connection not required while accessing from College LAN)
- Improves Technical Skills and by that way improves Employability
- NPTEL material is indexed to GATE exam syllabus. Useful for GATE preparation (Entrance exam for IITs and eligibility test for all Public Sector companies) in India.
- Improves academic scores using high quality teaching.
- Easy access to videos using Advance search and Keyword search.

Class Committee meetings – scheduled by IQAC to record the views of various students in terms of teaching – learning methodology, about the environment sticking to any of the curricular, co-curricular and extra – curricular activities.

Career guidance and Counselling Guidance Cell – IT consists of 3 phases – personal guidance, educational guidance and career guidance.

Guidance & Counseling Cell has been established in the college to provide guidance to achieve following objectives:-

- To provide guidance to the students on various options available in the course of their study.
- To identify and develop students abilities and interests.
- To help the students to solve their personal, educational and psychological problems.
- To develop positive attitude and behaviour in order to meet challenges.
- To create awareness among the students for their future profession.
- To provide information to the students on the scope and relevance of any area irrespective of their field of interest.
- To recognize their strength and overcome weaknesses.

Career Development and Placement Cell ensures and takes care to provide the best arrangements for placing its students in premier institutions. It also conducts training programs for the students to enable them to face interviews. These programmes include workshops on self motivation, presentation skills, communication skills and mock personal interviews etc.,

Grievance Redressal Cell - To realise the primary needs of the students, a Grievance Redressal Cell has been constituted in the college. The Grievance Redressal Cell holds meetings periodically and takes steps to redress the grievances if any. The Principal is the chairperson of the cell. Dean Student Welfare and two teachers are other members of the cell. Anyone with a genuine grievance may approach the members in person, or the Principal. In case the student is unwilling to appear in person, grievances may be dropped in the grievance box earmarked for the purpose. Grievances may also be sent through e-mail to the Principal.

Entrepreneur Development Cell – This is started with the objective of promoting specialized knowledge in the field of entrepreneurship development. This cell strives to identify talented youth to entrepreneurial works. This cell plans to organize various programmes regarding entrepreneurship development.

IEEE student Branch - Student Branches provide an opportunity for IEEE Student Members to begin networking in their areas of interest and future profession. IEEE opens the door to opportunities that will help you develop your professional identity in IEEE's designated fields of interest: sciences, technology, engineering, and mathematics (STEM). In addition to accessing a range of membership benefits, you'll make global connections with people who can help you along your targeted career path through IEEE's international community of members and volunteers.

8. Plans of institution for next year

- To encourage more students to participate in inter-college and inter-university events.
- To strengthen R&D activities and consultancy services.
- To improve in campus and off campus placements by providing effective training programmes.
- To facilitate more students to be successful in competitive examinations.
- To increase the number of publications in peer reviewed journals.

NAME: Dr. P.PARTHEEBAN



Signature of the Coordinator, IQAC



NAME: Dr. S.SELVAN

PRINCIPAL, SPCET



Signature of the Chairperson, IQAC

PRINCIPAL

St. Peter's College of Engineering & Technology

ANNEXURE A: ACADEMIC CALENDAR

MONTH	EVENTS
JULY	Commencement of classes- II, III, IV Year First class committee meeting- II, III, IV Year Unit test I -II, III, IV Year
AUGUST	Second class committee meeting- II, III, IV Year, Unit test II -II, III, IV Year. First Year Classes Commencement. Unit test I –I Year. First class committee meeting- I Year First Assessment/ Attendance Report – II, III, IV Year
SEPTEMBER	Third class committee meeting- II, III, IV Year, Unit test III- II, III, IV Year. Second Assessment/ Attendance Report – II, III, IV Year First Assessment/ Attendance Report – I Year Second class committee meeting- I Year Unit test II -I Year
OCTOBER	Unit test III -I Year Third class committee meeting- I Year Second Assessment/ Attendance Report – I Year Unit test IV- II, III, IV Year MODEL EXAMINATION- II, III, IV Year Third Assessment/ Attendance Report – II, III, IV Year
NOVEMBER	Unit test IV- I Year MODEL EXAMINATION- I Year
DECEMBER	Third Assessment/ Attendance Report – I Year Vacation for staff
JANUARY	Commencement of classes- I,II, III, Year First class committee meeting-I, II, III, Year Unit test I -II, III, IV Year
FEBRUARY	Unit test I -I Year First Assessment/ Attendance Report –I, II, III, Year Second class committee meeting-I, II, III, Year
MARCH	Unit test II -I, IV Year Unit test III -II, IIIYear Third class committee meeting-I, II, III, Year Second Assessment/ Attendance Report – II, III, Year
APRIL	Second Assessment/ Attendance Report – II, III, Year MODEL EXAMINATION- II, III, IV Year Third Assessment/ Attendance Report – IV Year
MAY	MODEL EXAMINATION- I Year Third Assessment/ Attendance Report – I Year

ANNEXURE B

ANALYSIS OF THE FEEDBACK FROM STAKE HOLDERS

A few Alumni opted that there should be revision in the Syllabus. Since this is an Affiliated Institution, this can't be achieved. So in turn to the benefit of the students, various events/programmes have been organized by the departments/centres/cells/clubs of the organization for creating awareness about the latest trends and technology in their respective field.

Students felt that they need placement awareness programmes. So in this regards the members of IQAC along with the Trustee decided to have pre – placement awareness programmes for all four year students and the same has been implemented.

Students also felt that Teaching – Learning process with the use of Information Communication Technology tools should be more interactive in nature. So in this regard Team – Based Learning methodology, where students are given training on Spoken Tutorial to achieve the goal and the same has been implemented.

And also to have more effective way of learning Digital Video Library has been introduced in the form of NPTEL (National Programme on Technology Enhanced Learning) and the same has been set-up in the college campus through which students can browse the videos of quality standards given by IIT and IISc professors.

The students have also chalked out that they are still in need of more programmes in the near future and to have the same type of coaching as done by Placement cell by focusing on the latest trends, technologies and certificate courses.

During the NPTEL hours the students view the videos needed by them out of 600+ videos which have been installed in the NPTEL Digital Video Library of the college where the courses closely mimic the traditional classroom model with a series of long lectures followed by quizzes and a written examination for certification. After getting feedback from the students college established a NPTEL study centre for the NPTEL online certification courses as well.

The students and the stakeholders were very much grateful to the NSS Cell for the activities and camp organized by them as an Environment Awareness programme and as Social Responsibility programme.

Few of alumni have mentioned in their feedback the Pre awareness about the placement programme was a big boon for them. Still they insisted to improve the same in the near future and also to include Alumni interaction session as part of it, so that students will get more and more knowledge about the corporate world.

Few of them have appreciated the Higher Studies Cell training series which is organized to know about the higher education in India and abroad and has requested for the same in the near future.

As far as student support services are concerned both the students and alumni have expressed their fullest satisfaction and they were all in praise of the efforts taken by the management in making the students employable and getting them placement in reputed companies.

ANNEXURE C: SWOC ANALYSIS

Strengths:

- The institution has well established administrative structure to solve issues on facilities needed as and when required.
- The institution has sprawling Eco – Friendly campus, with adequate infrastructure.
- The college is TUV-SUV ISO 9001:2008 certified institution.
- The institution has competent, skilled and committed faculty members contributing through their efforts for the achievement of the vision of the institution.
- Weekly research forum meet is conducted to update inter departmental research activities.
- Faculty members are motivated to participate and organize Seminars, Workshops and Conferences to emphasize their research skills.
- Slip tests are conducted at the end of every lecture period to make the students to fathom the concepts taught as well as to weigh the level of understanding.
- Technical Programmes are conducted through Student Chapters of professional bodies like IEEE, IETE, ISTE, CSI, IE, AeSI and SAE. Our institution is a member of ICT Academy of Tamilnadu.
- Faculty development programmes and Training programmes for students and faculty are organized by ICT Academy of Tamilnadu. All departments train the students to appear for competitive exams.
- Enhanced learning (NPTEL) facility is provided for modern pedagogy and advanced learning. More expert lectures are arranged in all the subjects to further strengthen the learning standards of the students and to have a better approach for their future.
- To improve the industry institute interaction, MoUs are signed with leading organizations for knowledge development programmes.
- Working hours are extended to discuss problems and other related issues in the subjects with students.
- The institution focuses on mentoring and personality development of each student for developing positive attitude, leadership qualities, etc.
- Soft skill training programmes are outsourced for students to develop the life skills needed to perform well in interviews.
- The institution gives supports to students to participate in Co-Curricular and Extra Curricular activities as to exchange knowledge and to manifest their skills and talents.
- The college has a very good feedback system, which collects feedback from all the stakeholders and makes use of this feedback for implementing new systems whenever and wherever necessary for continuous improvement.
- The college implements Internal Quality Audit to improve the effectiveness of Teaching-Learning process.
- The college has adequate generator backup.

- The institution has well established and active Alumni Association which supports the college by motivating the students and providing placement assistance.
- The institution has an excellent library and the digital library helps the students to access e-books, e-journals and e-magazines.
- The college has well connected Transport facilities.
- Students are involved in social activities like conducting awareness programs, health camps through NSS, YRC and RRC ably guided by faculty.
- The presence of High Speed Internet and Wi-Fi connectivity help in improving the students' capability to excel in their career.

Weaknesses:

- Our institution is an affiliated institution and has to follow the curriculum designed and prescribed by the affiliating university and scope of academic flexibility is very limited.
- Funds are yet to be received from Government Funding Agencies for research projects.
- Success rates of our students in competitive exams like GATE, CAT, TANCET, UPSC, etc are less.
- There is a desperate need for more research publications in high impact factor journals.
- The processes of getting Patents and Consultancy are progressing in slow pace and need to be expedited.

Opportunities:

- Opportunities on collaborative research with Premier research institutions like IIT Madras, Anna University, CSIR, CLRI, etc., are more to our institution.
- There is more scope for training students to be successful in competitive Examinations.
- There is a wide scope for improving the Industry Institute interactions.
- The institution has amenable access to various firms/industries to impart hands-on-training to students.
- As Chennai is one of the major metropolitan cities, leading to plethora of commercial establishments, the chance to get more consultancy assignments are near reaching.
- Enriching the faculty's knowledge through FDPs, Conferences, Workshops and Seminars are more viable.

Challenges:

- Instilling self confidence among the students to face the current scenario is time consuming process.
- Getting placement in Core Companies needs more effort to make our students cater to the needs of industry.
- Periodical changes in the technology advancement pose constraints in coping up with the demands of the stakeholders.
- Arousing motivation among the students from rural background to improve their communication skill and adaptability with the trend is a hectic task before the faculty members.
- Endeavours on getting more funds for Research Projects from prominent funding agencies are becoming ground breaking processes.
- With addition of new colleges and increase in intake of the existing colleges, there exists a stiff competition among the colleges for student admission. In this competition recruiting and retaining the quality faculty is also a challenge.
- Fulfilling the expectation of the Societal needs due to rapid advancement in technologies mount more pressure on faculty to implement suitably modified teaching-learning system.

Plan of Action by IQAC

The IQAC co-ordinated the quality initiatives in the college involving faculty, non- teaching staff as well as students. These are

- Parameter/Benchmark for development activities
- Calendar of Events
- To create Research and Development cell for promoting research work.
- Continuous improvement of faculty performance through self appraisal
- Publication and Paper presentations.
- Deputing faculty members for conference, seminars and workshops.
- Organising Guest lectures
- Organising conferences, workshops and seminars.
- Interdepartmental presentations
- Student counselling and career guidance.
- Identifying and sharing of departmental best practices
- Students feedback system and analysis.
- Placement activities.
- IEEE, IEI, CSI, IETE, SAE, AERO Students chapter activities.
- ISTE Chapter activities.

- Club activities.
- Workshop for nonteaching staff members.

S.No	Activities	Schedule
1.	IQAC Committee Meeting (Twice in a year)	August and March
2.	HODs meeting	Weekly once
3.	Master Time Table	Submission by HOD – Before reopening of classes.
4	Teaching Plan	To be prepared before the commencement of the classes
5	Semester wise Faculty Handling Subjects and Classes	To be submitted on or before October 31 st and April 15 th
6	Department NEWSLETTER	To be submitted on or before April 30 th
7	Feedback From Alumini	During Alumini Meet
8.	Annual Academic Audit and Stock Taking	To be conducted in April
9	Staff Evaluation by student	Staff evaluation is collected from the students at the end of the semester during April and October.
10	Feedback from Parents	After publication of results parents will be called and feedback will be collected.
11	Confidential Report on staff	Submission through the HOD – May of every year.
12	Evaluation Report	From Cell/ Centre /Club annually as expected in NAAC
13	Details for IQAC Newsletter (Annual)	In the month of June every year
14	Annual Quality Assurance Report to be submitted to NAAC	In the month of September every year
15	Daily Teaching of Individual – Academic Interaction Record	Submitted through HOD to the Principal
16	Semester wise Faculty Handling	Submission by HOD to the Principal On or before 30 th June for ODD semester and 30 th November for EVEN semester.
17	Letter to parents	Every month after Internal Assesment
18	Alumni Meet	Once in a year
19	ISO Internal Audit	Once in six months
20	ISO External Audit	Once in six months
21	ISO Orientation Program	At the beginning of the academic year.
22	Question Bank by all faculty members handling subjects	Before the commencement of classes each semester
23	Monthly Report from the department	5 th of every month

24.	National Level Technical Symposium	Once in every year
25	First year orientation program	At the beginning of the academic year
26	Academic Schedule(Odd and Even)	Issued every semester before the commencement of the classes
27	Anna University Assesment Entry	As Per the notification given in AU web portal
28	Engineers Day celebration	September 15 th of ever year
29	Womens Day Celebration	March 8 th of every year
30	Academic plan of the department along with the budget proposal to be correlated with the IQAC activities	Before the commencement of academic activities(ie.May-June)

Academic Calendar (2016 – 2017)

Department of Bio Technology

S.NO	DATE	PLAN OF ACTION	ACHIEVEMENTS
1.	21.07.2016	Guest lecture on “Evaluation of the therapeutic potentials of an underutilized tropical plant – Syzygium samarangense” by Nivetha Thampi, ICMR-Ministry of Health and Family Welfare	Technical knowledge on effective utilization of tropical plant biomass for the various bioprocesses was guided by the students of biotechnology
2.	21.07.2016	Invited lecture on “Role of nitric oxide and hydrogen sulphide in OX-LDL treated endothelial cells”, by Mr. S. Ganeshbabu, Department of Biotech, Anna University, Chennai.	Importance of chemical agents which has specific effect on the animal cell propagation and endothelial cells was explained to the students of 2 nd and 3 rd year biotechnology
3.	26.08.2016	Industrial visit to Medox Biotech (Pvt.) Ltd.	32 members was attended the visit and learnt the molecular biology techniques in various aspects of biotechnology concerns
4.	18.03.2017	Guest lecture on “Spirulina production and Its marketing approach” by Mr. Dinesh Kumar, Aztek Triple (Pvt.) Ltd.	Entrepreneurial approach of spirulina cultivation with various market values was provided to the biotechnology students

Department of Management Studies (M.B.A)

S.NO	DATE	PLAN OF ACTION	ACHIEVEMENT
1.	18.08.2016	Industrial Visit for II year students	Organized an industrial visit for ECO Kitchen, Injambakkam, Chennai
2.	22.08.2016	Inauguration of I year MBA class	Inaugurated the programme by inviting the students alongwith their parents
3.	26.08.2016	Guest lecture on Stock Market	Mr.Valarmurugan, Technical Analyst, EQUISIS delivered a lecture on Stock Market
4.	09.09.2016	Guest lecture on Logistics	Mr.Venkatesh Hariharan, Co-Founder, Audex Solutions & Technology delivered a lecture on Logistics
5.	13.09.2016	Industrial visit for II year students	Organized an IV for United Breweris, Chennai
6.	20.09.2016	Industrial visit for I year students	Organized an IV for United Breweris, Chennai
7.	27.09.2016	Industrial visit for I & II year students	Organized an IV for Modern bakers, Madhavaram, Chennai
8.	05.10.2016	Guest lecture on Professional Skill Development	SkyProf.A.Raghupathy, Arivu Thirukkoil, Avadi delivered a lecture on Yoga & Meditation
9.	03.01.2017	Proposal for AICTE	Dr.R.Murali, AP, DOMS sent a proposal to AICTE in the topic "Teachers Leadership"
10.	21.02.2107 & 22.02.2017	Workshop for I year students	Mr.Valarmurugan, Technical Analyst, EQUISIS conducted a workshop on Stock Market for the I year students
11.	09.03.2017	Placement Drive	Mr.Vasanthkumar of II year MBA has been selected for ICICI Securities
12.	14.03.2017	Guest Lecture on Lean Construction Management	Mr.O.Arivalagan, CEO, IIPM, Chennai delivered a lecture on Lean Construction Management

Department of Civil Engineering

S.NO	DATE	PLAN OF ACTION	ACHIEVEMENT
1.	30.11.2016	Workshop On Environmental Sustainability Using Smart Materials And Technologies	Mr.S.Kavin Kumar Director, Engineering project management consultancy and research Pvt. Ltd Chennai delivered the inaugural address.
2.	12.12.2016	Proposal for ICSSR	Dr.P.Partheeban submitted as project proposal on Study on Socio-Economic Condition of Women Construction Workers Using System Dynamic Approach Rs. 11.08 Lakhs
3.	20.12.2016	Proposal for ICSSR	Dr.P.Partheeban submitted as project proposal on. Study on Safety and Security Issues of Women Two Wheeler Riders in Chennai City, Rs. 4.59 Lakhs.
4.	21.12.2017	Paper presented in International Workshop on Inclusive Cities	Dr.P.Partheeban presented a paper on Real time air pollution monitoring using sensing technology in the International Workshop on Inclusive Cities.
5.	15.12.2016	Seminar Grant proposal to TNSCST	Dr.P.Partheeban submitted as seminar grant proposal on Awareness Program on Eco-friendly Concrete Technology for Masons
6.	19.12.2016	Seminar Grant proposal to DST-SERB, DRDO	Dr.P.Partheeban submitted as seminar grant proposal on Workshop of Green Building Materials and Technology
7.	22.12.2016	Proposal for DST-SERB	Dr.P.Partheeban and Dr.P.Priya Rachel submitted as project proposal on Experimental Evaluation of wall panel using Geopolymer concrete”approached DST(24 Lakhs)

8.	28.12.2016	Proposal for DRDO	Dr.P.Partheeban and Dr.P.Priya Rachel submitted as project proposal on Experimental Investigation on Geopolymer Masonry Using Flyash, GGBFS and Metakaolin
9.	17.02.2017	Industrial visit for II year students	Organized an IV Ready mix plant, Chennai
10.	08.03.2017	Technovation2K17-competition for polytechnic students	Project Presentation and quiz competition for polytechnic students
11.	14.03.2017	Guest Lecture on Lean Construction Management	Mr.O.Arivalagan, CEO, IIPM, Chennai delivered a lecture on Lean Construction Management
12.	23.03.2017	Industrial visit for III year students	Organized an IV to Chennai Harbour
13.	24.03.2017	Placement drive	Students placed in ZEALOUS SEVICES 1. B. Mukesh 2. S. Sakthi Ramkumar 3. S. Saranya 4. J. Thamarai 5. S. Thirumalai @Arumugam Sutherland : 1.A.Praveen Kumar
14.	25.03.2017	Co curricular activities to the attended by students in other colleges.	The following students attended (and won prizes) in the paper presentation and quiz competition organised by Anand Institute of Higher Technology I. Paper Presentation 1.P.Sai Madhavi 2.T.Sevathambi 3.P.B.Lakshminarayanan 4.S.Pavithra (Won I st prize) 5.S.Pavendhan II Quiz Competition 1.T.Selavathambi 2.P.B.Lakshminarayanan 3.P.Saimadhavi (Won II nd Prize)
15.	01.07.2017	Paper presentation in Geospatial Public Health Symposium.	P.Partheeban, P. Priya Rachel, S.Bharathkumar presented as paper on Health Effects Due To Pumping Of Ground Water And Its Quality in Ayapakkam, Chennai.

Department of Aeronautical Engineering

S.No	DATE	PLAN OF ACTION	ACHIEVEMENT
1	27.07.2016	1 st Memorial day for Dr.A.P.J.AbdulKalam -former President of India and father of missile	100 students attended the tribute meeting and give a special speech about Dr.A.P.J.Abdul kalam and motivated the students.
2	09.09.2016	Visit to IIT Madras	II, III and IV year students visited to Department Aerospace laboratories like advance propulsion and aerodynamic at IIT Madras
3	30.09.2016	National level technical symposium ADLERZ' 16- Chief Guest appearance Air marshal S. Varthaman PVSM, AVSM, VM, VSM (Retd.)	100 students attended the symposium and participated in the events conducted
4	30.09.2016	Seminar on "Role of IAF" in Aeronautical by Air marshal S. Varthaman PVSM, AVSM, VM, VSM(Retd.)	100 students attended the seminar on role of IAF and it is very useful to them to know about Airforce job oppurtunities.
5.	28.03.2017	Guest lecture on Aero components of TEJAS by Mr.R.V.Raghupathy Scientist-E, CVRDE, Avadi Chennai.	70 students attended the guest lecture on Aero components of TEJAS and it is very useful to students to improve their interest in aero industries.

Department of Electrical and Electronics Engineering

S.No	DATE	PLAN OF ACTION	ACHIEVEMENT
1	23.10.2016	Mini Project Exhibition	54 Nos. of IV year EEE students was grouped to form 12 batches and they were present their Mini Projects.
2	31.01.2017	Guest Lecture on Electrical CAD by Mr.R. Senthil Kumar CADD School, Chennai	47 Nos. of III year EEE Students attended and benefitted.
3	22.02.2017	Industrial visit was arranged to North Chennai Thermal Power Plant	33 Nos. of II year EEE students visited the Power plant and gained technical knowledge with live view of Power station
4	23.02.2017	Industrial visit was arranged to	47 Nos. of III year EEE students

		North Chennai Thermal Power Plant	visited the Power plant and gained technical knowledge with live view of Power station
5	07.02.2017	National Level technical Symposium - Electro Amaze 2k17	160 Nos. of EEE Students attended and 20 Participants presented their papers and took part in various technical activities. Mr.S.Krishnakumar Former Senior Vice president LUCAS TVS, Chennai inaugurated the function.
6	24.02.2017	Guest Lecture on Emerging Trends on Industrial Automation by Mr. C. Ramkumar, Yogawana Pvt. Ltd., Chennai.	47 Nos. of III year EEE Students attended and benefitted.

Department of Electronics and Communication Engineering

S.No	DATE	PLAN OF ACTION	ACHIEVEMENT
1	11.08.2016	Invited talk on “Antenna design” by Dinesh Kumar and Angeline Flashy, SPU	Students are motivated to design reconfigurable antennas using HFSS
2	10.09.2016	Industrial Visit: Second Year students Visited All India Radio in Mylapore.	Students are exposed to the real time transmission of sound propagation
3	21.09.2016	Seminar on “RF System Design” by T.Jeyanandhan Waveguide Technologies Chennai.	Students are motivated to do project using RF system design and IOT
4	23.09.2016	Industrial Visit: Third Year students Visited All India Radio in Mylapore.	Students are exposed to the real time transmission of sound propagation
5	24.09.2016& 26.09.2016	Industrial Visit: Third Year students Visited GSVMicrotech in porur	Students are learned the application using microcontrollers
6	01.10.2016	Guest Lecture on “Preparing better for Placements “ R. Ruben Johnson, Placement officer, St. Joseph University, Tanzania	Students are motivated to prepare for aptitude tests and for group discussion
7	06.10.2016	Invited talk on “Processing of Biomedical Signals & Images” by Dr.S.Selvan,Principial	Students gained knowledge in real time applications of image processing

8	13.10.2016	Industrial Visit: Final Year students Visited NuclearPlant in Kalpakkam.	Students understood the generation of power from nuclear plants.
9	23.11.2016	IEEE student branch organized one day workshop on,” Computer Usage for Webservices” for house wives.	There are 40 entries registered and got trained. The workshop is inaugurated by principal Dr.S.Selvan and the certificate is distributed by Dean Academic Dr.P.Partheeban.
10	08.02.2017	Students symposium “Insipro Ecclesia’ 17”.Dr.R.Swarnaravidra Babu, Chairman, IETE Madras Section.	20 papers are received for paper presentation. Quiz and circuit debugging events were conducted and the prizes were distributed.
11	04.05.2017 & 05.05.2017	Third IEEE International Conference on Sensing, Signal processing and security (ICSSS 2017) Chief guest are : Dr. Ian Tan, Multimedia University, Malaysia	ICMR sponsored Rs. 50,000/-, CSIR sponsored Rs. 1,00,000/- and the technical sponsor is IEEE Madras section. There are 150 papers presented. Three key note addresses were organized.
12	08.07.2017	“How to prepare and present a paper in symposium” by Dr. V. Amudha on 08/07/2017	Inspired the students to present paper in symposium
13	03.08.2017	The impact of GST in India by Mr.Fredrick/ AP.MBA on 03/08/2017	Made an awareness to understand about the tax in India among the student.
14	12.08.2017	Placement Awareness by Mr.Rajkumar Trichrome Technologies.	100 students attended the programme. Placement opportunities by studying embedded system course

Department Of Chemical Engineering

S.No	DATE	PLAN OF ACTION	ACHIEVEMENT
1	16.07.2016	Guest lecture for II and III year students	<ul style="list-style-type: none"> A Technical guest lecture on “Empowering the Explored Knowledge in Chemical Engineering” was organized and the lecture was delivered by Mr.Vinoth Kumar, Assistant Manger from FLSmith, Chennai. 96 students were attended the guest

			lecture.
2	04.08.2016	MoU with industry	<ul style="list-style-type: none"> • MoU was signed with Aricent Chemical, Bargur, Krishnagiri District. • Initiated consultancy service
3	18.08.2016	Industrial visit for II year students	<ul style="list-style-type: none"> • Organized an Industrial Visit for the students of second year to PPG Asian Paints Pvt. Ltd. Mambakkam, Sriperumbudur. • Our students have benefitted by the practical exposure of the equipment. • Students were able to envisage theoretical concepts to practical industrial applications during this visit
4	19.08.2016	Industrial visit for III year Chemical Engineering students	<ul style="list-style-type: none"> • Organized an Industrial Visit to United Breweries Limited, Thiruvallur, Chennai. • Students were benefitted by the practical exposure of the equipment and process.
5	15.09.2016	Seminar for II and III year students	<ul style="list-style-type: none"> • A Technical seminar on “Supercritical Fluid Extraction/Processing” was organized and the seminar was delivered by Dr.Vedharaman, Senior Technical Officer, Chemical Engineering Division, Central Leather Research Institute (CLRI)-CSIR, Chennai. • 96 students were attended the seminar. • Students were motivated to do research and development in the supercritical fluid extraction process and in the Chemical Engineering field.
6	03.10.2016	Technical symposium	<ul style="list-style-type: none"> • A Technical symposium “Chemoles 2017” was organized on 08.01.2017. Mr.N.S.Venkataraman, Director, Nandini consultancy centre, Chennai was the chief guest. • Students from various colleges were presented technical papers. • For all technical events, winner got

			<p>cash prize and certificate</p> <ul style="list-style-type: none"> Students got an opportunity to look beyond their course and curriculum, to roll back their sleeves, with the technical wand in their hands and do some real magic.
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Department of Mechanical Engineering

S. No.	Date	Plan of Action	Achievements
1.	15.06.2016 - 18.06.2016	Inplant Training	Three III Year Students undergone training in SP Engineering Autotech Pvt. Ltd.,
2.	20.06.2016 - 24.06.2016		Five III Year Students undergone training in The KCP Limited
3.	23.06.2016 - 12.07.2016		One III Year Students undergone training in Tamil Nadu State Transport corporation (VPM) Ltd, Villupuram
4.	16.07.2016 - 20.07.2016		Three III Year Students undergone training in Ezenith – Empowering education
5.	23.07.2016 - 30.07.2016		Seven IV Year Students undergone training in Neyveli Lignite Corporation Ltd., Neyveli.
6.	June 2016	Faculty Participation in International Conference	Mr.P.Suresh, presented a paper in International Conference on Advances in Mechanical and Civil Engineering, organized by E.G.S Pillay Engineering College, Nagapattinam,.
	July 2016		Mrs.G. Ramya Devi, presented a paper in International Conference on Frontiers of Automobile and Mechanical Engineering, FAME 2016, Sathyabama University, Chennai. and won a best paper award
7.	27.07.2016	Guest Lecture on 'Advancement in Automotive Safety' by Mr.B.Kovarasan, Design Engineer, Quality Enhancement Team, i3 Design Technologies.	Attended by III and IV year Students and Faculties

8.	28.07.2016	One day workshop on “Advancement in Automotive safety technologies Pvt. Ltd. organized by i3 design technologies Pvt. Ltd.	Mr. D. Sathiyamoorthy, Mr. P. Suresh, Mr. A. Muthuram, Mr. M Kamal, Mr.S.Abilash and Mr. A.P Arun Pravin had participated and received certificate.
9.	July 2016	Research Activities	Dr. K. Purushothaman, Prof & Head, published a paper in International Journal Thermal Science
10.	03.09.2016	Guest Lecture on ‘Digital Proto Typing’, by Mr.Karthick, eStaar Max Technological Pvt, Ltd. Chennai.	Attended by II and III year Students and Faculties
11.	September 2016	Research publications	Mr. P. Suresh, AP, published a paper in the journal of Ecology, Environment and Conservation
			Dr. K. Purushothaman, Prof & Head, published a paper in International Journal of Chem Tech, Research
12.	12.10.2016 - 16.10.2016	Event ‘SAE Effi-Cycle’ at Lovely Professional University, Punjab organized by SAE India	Mr.A.P.Arunpravin, Faculty advisor and 10 SAE members participated in the Event
13.	18.11.2016 - 19.11.2016	Faculty Development Program	Faculties attended a workshop on “Research Methodology and Techniques”
14.	19.11.2016		Workshop on “Automation and Robotics in manufacturing industries”
15.	November 2016	Research Activities	Mr.A.Shadrach Jeyasekaran, AP published paper in referred journal “Sadhana”
16.	28.11.2016 - 05.12.2016	Faculty Training and Development Program organized by Anna University, at Jeppiar Institute of Technology	Faculties, Mr. S. Rangarajan and Mr. M. Kamal Attended the program
17.	22.12.2016 - 23.12.2016	Research Activities	Dr.K.Purushothaman, Prof & Head, presented a paper in International Conference (ICRIEAT 2016), Hyderabad
18.	26.01.2017 - 01.02.2017	Poster presentation in International Exhibition IMTEX 2017, IMTMA (i2 Acadamia Pavilion) Bangalore	Our Faculties Dr.G.Gopalarama Subraminian,Mr.A.Shadrach Jeyasekaran, Mr.A.P.Arun pravin, Mr.D.Sathyamurthy, Mr.M.Kamal, Mrs. M. Avadiammal attended and presented a poster on their research activities

			Our Students Madhan Kumar. M, Sudharshan. R, Shyam Sundar. B, J. Sam Austin, S. Samuel Rajkumar, R. Manish Kumar participated in the exhibition
19.	21.01.2017	Ruby Jubilee function of CVRDE, Chennai	Attended by Dr.K.Purushothaman, Prof & Head, & Mr.A.P.Arun pravin, Faculty Advisors of SAE Collegiate club and 16 SAE student members
20.	31.01.2017	Industrial visit to TI Automotive (Bundy) India Ltd	Visited by 3 SAE student members organised by SAE Collegiate club
21.	Jan 2017	Application for Science Festival 2017 submitted to The Register, Anna University, Chennai-25.	<p>Details of the Projects</p> <ul style="list-style-type: none"> • Design and Fabrication of Pedal Powered Coconut Grater • Design and Fabrication of Mini Flour Mill • Design and Fabrication of Sand Blasting Equipment • Human and Animal Life Saving System in Bore Well
22.	09.02.2017	Symposium IGNIS 2K17	Mr. Shanmugam, Managing Director, Design Desk, Chennai, was the chief guest. II, III and IV year Students and Faculties organised and participated in the various events
23.	09.02.2017	Special Lecture on Role of a Design Engineer in Industries delivered by Mr. Shanmugam, Managing Director, Design Desk	Attended by II, III and IV year Students and all mechanical department Faculties.
24.	09.02.2017	Chennai Science Festival 2017, Science City, organised by Department of Higher Education, Govt of Tamilnadu	<p>Name of the Project got selected and displayed</p> <p>“Design and Fabrication of mini Flour mill”</p> <p>Student members:</p> <p>Mr.P.T.Aravind raj</p> <p>Mr. K.J.Jayesh</p> <p>Mr. P.Jeffrey</p> <p>Faculty Guide: Mr. M. Kamal, AP</p>
25.	Feb 2017	Research Activity	Dr.K.Purushothaman, published a paper in International Journal Of Innovative

			Research in Science, Engineering and Technology.
26.	21.02.2017	Guest lecture on How to design a Value engineered product delivered by Mr.O.Arivazhagan, CEO, IIPM, Chennai	Attended by IV year Students and mechanical department Faculties.
27.	11.02.2017	Lecture meeting "Design and Application of High Contact Ratio Gears" at AIEMA (Ambattur Industrial Estate Manufacturer's Association Block), Ambattur Industrial Estate, Chennai	attended by 5 SAE members
28.	25.02.2017	Tier 3 SAE Convention 2017 events conducted at Kongu College of Engineering	Participated by II, III and IV year SAE members
29.	Feb 2017	Tier 2 SAE Convention events Conducted at Chennai Institute of Technology, Chennai.	Participated by II, III and IV year SAE members
30.	10.03.2017 & 11.03.2017	National Level Seminar on Recent Trends of Manufacturing Technology, organized by Anna University, CEG Campus, Guindy	Participated by R. Manish Kumar U. Prasanth B. Rakesh II YEAR MECH STUDENTS
31.	17.03.2017	One Day International Workshop on "Hybrid Vehicle" organized by MIT, Anna University, Chennai	S.Arun, R.Ganesh, M.Merwin, B.Kishore K.Perumal S.Vigesh III YEAR MECH STUDENTS
32.	17.03.2017	'Robo Track Wars' organized by Anand Institute of Higher Technology	M.Alaguvel J.Amrish Valan II YEAR MECH STUDENTS

		‘Sculp the steel’ organized by Anand Institute of Higher Technology	L. Dinesh II YEAR MECH STUDENTS
		‘Buzz the Fizz’ organized by Anand Institute of Higher Technology	M.Alaguvel J.Amrish Valan II YEAR MECH STUDENTS
33.	18.03.2107	‘Auto Meet 2017’ organized by MIT, Anna University, Chennai	S.Arun, R.Ganesh, M.Merwin B.Kishore, K.Perumal S.Vigesh, III YEAR MECH STUDENTS
34.	March 2017	Research Activities	Mr. P. Suresh, published a paper in Engineering Research and Application (AERA)
35.	30.03.2017 - 31.03.2017	Paper presentation in International Conferences	A. Shadrach Jeyasekaran presented a paper in International Conference on Advances in Materials, Manufacturing and Applied Sciences 2017. (ICAMMAS’17) organized by Sri Sairam Institute of Technology, Chennai
36.	23.03.2017	Paper presentation in National Conferences	A. Anna Mahesh & Mrs. K. Sunitha presented a paper in National Conference on Recent Advances in Mechanical Science and Technology, organized by St. Peter’s University M. V. Manivannan, AP, N. Ajay, E. Ajith Kumar, A. Antony Raj(IV Mech A) presented a paper in National Conference on Recent Advances in Mechanical Science and Technology organized by St. Peter’s University,
37.	03.04.2017 - 04.04.2017	Paper presentation in International Conferences	Mrs. A. Anna Mahesh & Mrs. K. Sunitha, presented a paper in International conference on green technologies for power generation and communication, organized by St.Peter’s University
38.	19.04.2017	Inaugural Function of PMKVY Skill development Program in CNC Programming and Plumbing	Mr. N. Balasubramaniam, Lead Trainer, Automotive Skill Development Council, was the Guest of Honour for the Inaugural function

39.	April 2017	Student Research Activities: Project Contest 2017 organized by St. Peter's College of Engineering and Technology, Avadi	M. Mohanraj, B.Logesh. D. Karthick, R.Muthu Kumar, K.S.Newjin James and M. Nirmal Kumar IV Mech B won a First Prize for their project titled, 'Design and Analysis of Hybrid Power Plant Using Solar and Wind Source'
			R. Saravanan, V.Thamotharan, B. Uthish Kumar and P. Vignesh IV Mech C won a Third Prize for their project titled, 'Design and Experimental Investigation of Oxy-hydrogen Generator and Performance of HHO using Petrol engine'
40.	May 2017	Research Activities	Mrs. G. Ramya Devi, AP/ Mech published a paper in IOP Conference Series: Materials Science and Engineering
41.	19.07.2017 - 21.07.2017	Research Activities: Participation in International Conference	Dr. K. Purushothaman Prof & Head / Mech participated in International Conference on Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility (ADMMS 2017) organized by SAEINDIA and B.S Abdul Rahman University
42.	22.07.2017	Guest Lecture on 'Mechanical Engineering – Current Scenario - Fulfilling the Industrial Expectations' by Mr. VASUDEVA RAO, Global Operations Manager, FLSmidth Pvt. Ltd	Attended by IV year Students and Mechanical Department Faculties.
43.	27.07.2017	Guest Lecture on 'Recent Trends in Aeronautical Engineering' by Wg. Cdr. P.S.Murthy (Retd.), Engineer Officer and Flight Engineer, Indian Air force.	Attended by II year Students and two faculties
44.	26.07.2017 - 28.07.2017	Industrial Visit	III year Mech A, B & C sections visited KCP Limited, Thiruvottriyur
45.	28.07.2017		IV year Mech B students visited Simpson Engines Ltd. Perambur

46.	29.07.2017		All Final Mech A, B & C Sections and five Faculties participated in DRDO Exhibition on Science for Soldier & Society at CVRDE, Avadi
47.	20.08.2017	Board member of Selection Committee	Dr.K.Purushothaman, Prof & Head, served as board member for the selection of research fellows at Combat Vehicle Research and Development Establishment (CVRDE), Ministry of Defense, Govt. of India, Avadi

DEPARTMENT OF INFORMATION TECHNOLOGY

S. No.	Date	Plan Of Action	Achievement
1.	19.08.2016	Guest Lecture on "Implementation of IOT"	Mr. Loganathan, CEO, GTS Technology Solutions. Chennai, gave lecture on implementation of IoT, All IT students participated in this programme.
2.	29.08.2016 30.08.2016 31.08.2016	Spoken Tutorial-Workshop on Python for Final Years, C++ for Third Years and C for II Years	Workshop helped students to understand the C, OOPS and Python concepts. For IV yr very useful in doing their Final Projects.
3.	20.09.2016	National Level Technical Symposium-IT Department	ThaThoSy '16 on 29 th Sept. 2016 - Shri. V. V. Subramaniam, CEO, Colossom IT Solutions (P) Ltd, Chennai was the Chief Guest. Students from various colleges participated in this Event.
4.	01.02.2017 02.02.2017 03.02.2017	Spoken Tutorial-Workshop on PHP for Final Years, Java for III Years and C++ for II Years	Workshop helped students to understand the OOPS, Java and PHP concepts. For IV yr very useful in doing their Final Projects.
5.	21.02.2017	Guest Lecture on Big Data Analytics and Hadoop	Guest Lecture on 'Big Data Analytics' was organized on 21 th Feb. 2017 by CSI Student Chapter for CSI members. Shri. S. Subramaniam, FOSS Training & Project Guidance, AU-KBC Research Centre, Chennai was the chief guest
6.	07.04.2017	Project Contest for Final Year Students	This contest encouraged students to present their talents. Giridhara Gopalan (IV IT) students batch got III prize in this Contest.
7.	04.05.2017 05.05.2017 06.05.2017	Third International Conference on Sensing, Signal Processing and	IEEE 3 rd International Conference on Sensing, Signal Processing & Security on 4 th / 5 th May 2017.Sponsored by CSIR and ICMR Organized

		Security (ICSSS '17)	by Depts. of ECE and IT, Students, Research Scholars and faculties from India and Abroad Participated. Dr. Ian Tan, Professor, Multimedia University, Malaysia was the Chief Guest
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Department of Computer Science and Engineering

S.No	DATE	PLAN OF ACTION	ACHIEVEMENT
1.	10.08.2016	Guest Lecture on Data Warehousing for final year students	100 students attended the guest lecture on Data warehousing and was proved useful for their curriculum
2.	28.09.2016	Guest Lecture on Internet of Things for final year students	100 students attended the guest lecture on Internet of Things and was proved useful for their Project Work
3.	10.02.2017	Guest Lecture on Internet of Things for all students	250 students attended the guest lecture on Network Security and was proved useful for their curriculum
4.	06.02.2017	Guest Lecture on Campus to Corporate for final year students	100 students attended the guest lecture on Internet of Things and was proved useful for their Placement
5.	04.08.2016 09.09.2016	Students participated in Various events to learn current technologies	<ul style="list-style-type: none"> • 17 students from CSE department have participated in various events conducted at Sairam Engineering College on 4th Aug, 2016. • 10 students from CSE department have participated in various events conducted at SSN Engineering college on 9th Sep, 2016.
6.	01.09.2016	Planning an Industrial Visit to create awareness on Software Development	51 students from IV Year CSE-A visited HCL Technologies
7.	24.08.2016	Planning an Industrial Visit to create awareness on Software Development	42 students from IV Year CSE-B visited Maxx Networking Technologies
8.	31.08.2016	Planning an Industrial Visit to create awareness on communication tools	78 students from III CSE A and B visited Doordarshan Kendra
9.	09.09.2016	Planning an Industrial Visit to create awareness on Software Development	42 students from II Year CSE visited Maxx Networking Technologies
10.	10.02.2017	To Conduct Technical	A National level Technical symposium

		Symposium on Current Trends	(KALAMISTS'2K17) was organized.
11.	05.12.2016 To 07.12.2016	Encourage students to undergo Inplant Training	P.M.Rujuvesh of III year CSE attended Inplant Training at UNIQ Technologies, Chennai
12.	20.12.2016 To 21.12.2016	Encourage students to undergo Inplant Training	P.M.Rujuvesh and S.Rajkumar of III year CSE attended Inplant training in Networking at HCL Technologies, Chennai.
13.	21.12.2016 To 29.12.2016	Encourage students to undergo Inplant Training	P.M.Rujuvesh of III year CSE attended inplant training in BIG DATA Application Development at UNIQ technologies.
14.	02.06.2016 03.06.2016	FDP on .NET	Mr.C.Shanmuganathan, AP-CSE and Mr.T.P.Anish, AP-CSE attended Faculty Development Programme on C# and ADO.NET Programming at Panimalar Institute of Technology, Chennai
15.	04.06.2016	FDP on Cloud Computing	Mr.C.Shanmuganathan, AP-CSE and Mr.T.P.Anish, AP-CSE attended Faculty Development Programme on Grid and Cloud Computing at Panimalar Institute of Technology, Chennai on 4th June 2016.
16.	29.06.2016 30.06.2016	FDP	Ms.S.Chitra, AP-CSE attended Faculty Development Programme on Cloud Infrastructure and Services at DMI College of Engineering, Chennai
17.	29.06.2016 30.06.2016	FDP on CS6711 Security Laboratory	Dr.S.Anbu attended Faculty Development Programme on CS6711 Security Laboratory at Saveetha Engineering College, Chennai
18.	04.11.2016 05.11.2016	FDP on Bigdata	Dr.S.Anbu, Prof-CSE attended Faculty Development Programme on Introduction to Big Data Analytics at Loyola Institute of Technology, Chennai.
19.	10.11.2016 11.11.2016	FDP on Time Management	Dr.K.T.Sikamani, Prof-CSE attended Faculty Development Programme on Time Management at RRASE College of Engineering, Chennai.

20.		To publish papers in Journals and conferences	<ol style="list-style-type: none"> 1. Thylashri S, Shanmuganathan C, Dr. Raviraj P, Energetic Wireless Sensor Networks Using Operative Key Managing with Certificate-Less Effective Key Management Protocol, International Journal of Future Innovative Science and Technology, ISSN: 2454- 194X, Volume-2, Issue-2, May – 2016. 2. Dr.K.T.Sikamani and Mr.Surend Raj Dharmapal has published a paper titled “Bigdata analytics using agile model” in International conference on Electrical Electronics and Optimization Techniques, 3-5th Mar, 2016. This paper is also added to the IEEE Explore on 24th Nov, 2016.
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National Service Scheme

S.No	Date	PLAN OF ACTION	ACHIEVEMENT
1.	09.08.2016	QUIT INDIA MOVEMENT	NSS Unit-SPCET organized “Quit India movement ”on 09/08/2016. Dr.S.Selvan, Principal presided over the programme. Mr.A.Mohamed Hidayathullah, HOD/Physics delivered special address. NSS Volunteers gained knowledge about Quit India Movement.
2.	23.08.2016	INDEPENDENCE 70	NSS Unit-SPCET organized “Independence 70 ”on 23/08/2016. Dr.S.Selvan, Principal presided over the programme. Dr.A.Bright Rathinam, Principal, V.M.Hr.Sec.School, delivered Chief Guest address. NSS Volunteers gained knowledge about Independence and Its Importance.
3.	15.09.2016	ENGINEERS DAY	NSS Unit-SPCET organized “ENGINEERS DAY” on 15/9/2016 at 2.30pm. Dr.S.Selvan, Principal presided over the programme. Dr.D.S.Ramachandra moorthy, (R&D) Director, St.Peter’s University delivered Chief Guest address. First year students were motivated about Engineers day.
4.	06.01.2017 to	CASHLESS TRANSACTION –	NSS Unit –SPCET – Around 50 NSS Volunteers Participated in “Cashless Transaction – Awareness

	10.01.2017	AWARENESS CREATE TO PUBLIC	created to Public” on 06.01.2017 10.01.2017 at Annanur, Konambedu, Avadi, Chennai.
5.	15.01.2017 19.02.2017	PULSE POLIO IMMUNIZATION	NSS Unit –SPCET – Around 50 NSS Volunteers Participated in “ Pulse Polio Immunization” on 15.01.2017 and 19.02.2017 at Tenampet, Chennai.
6.	06.03.2017 to 12.03.2017	NSS 7 DAYS SPECIAL CAMP	NSS Unit-SPCET organized NSS 7 Days special Camp from 06.03.2017 to 12.03.2017 at Municipality High School, Konambedu,Avadi,Chennai-600 054. NSS Volunteers gained knowledge through community service.

Youth Red Cross

S.No	Date	PLAN OF ACTION	ACHIEVEMENT
1.	09.08.2016	“ QUIT INDIA MOVEMENT ”	YRC Unit-SPCET organized “Quit India movement”on 09/08/2016. Dr.S.Selvan, Principal presided over the programme. Mr.A.Mohamed Hidayathullah, HOD/Physics delivered special address. YRC Volunteers gained knowledge about Quit India Movement.
2.	23.08.2016	INDEPENDENCE DAY 70	YRC Unit-SPCET organized “Independence 70 ”on 23/08/2016. Dr.S.Selvan, Principal presided over the programme. Dr.A.Bright Rathinam, Principal, V.M.Hr.Sec.School, delivered Chief Guest address. YRC Volunteers gained knowledge about Independence and Its Importance.
3.	15.09.2016	ENGINEERS DAY	YRC Unit-SPCET organized “ENGINEERS DAY” on 15/9/2016 at 2.30 pm. Dr.S.Selvan, Principal presided over the programme. Dr.D.S.Ramachandra moorthy, (R&D) Director, St.Peter’s University delivered Chief Guest address. First year students were motivated about Engineers day.
4.	06.01.2017 to 10.01.2017	CASHLESS TRANSACTION – AWARENESS PROGRAMME	Around 50 YRC Volunteers Participated in “Cashless Transaction Awareness Programme conducted by YRC Unit-SPCET. Volunteer’s created awareness to Public” on 06.01.2017 to10.01.2017 at Annanur, Konambedu, Avadi, Chennai.

5.	28.02.2017	SCIENCE DAY	YRC Unit-SPCET organized "SCIENCE DAY" on 28/2/2017 at 2.30pm. Dr.S.Selvan, Principal presided over the programme. Mr.Yaurapudi, Director, National Institute of visually disabled, Poonamallee. First year students were motivated about Science and Technology to help visually disabled.
6.	04..06.2017	VOTER ID ENROLEMENT	YRC Unit-SPCET & Avadi Election Commission jointly Organised Voter ID online Enrolement for students from 5.6.2017 to 30.06.2017 nearly 240 students were benefited.

Placement Training

S.NO	DATE	PLAN OF ACTION	ACHIEVEMENT
1.	20.02.2017	Smart Placement training is given for III year and final year student of mechanical, civil, aeronautical, EEE and biotech.	A total of 628 students attended the placement training programme
2.	21.02.2017	Smart Placement training is given for III year and final year student of ECE,CSE,IT ,EEE	A total of 572 students attended the placement training programme
3.	22.02.2017	Smart Placement training is given for III year and final year student of mechanical, civil, aeronautical	A total of 628 students attended the placement training programme
4.	23.02.2017	Smart Placement training is given for III year and final year student of ECE,CSE,IT ,EEE	A total of 572 students attended the placement training programme
5.	27.02.2017	Smart Placement training is given for III year and final year student of mechanical, civil, aeronautical, EEE and biotech.	A total of 628 students attended the placement training programme
6.	28.02.2017	Smart Placement training is given for III year and final year student of ECE,CSE,IT ,EEE	A total of 572 students attended the placement training programme
7.	01.03.2017	Smart Placement training is given for III year and final year student of mechanical, civil, aeronautical, EEE and biotech	A total of 628 students attended the placement training programme
8.	02.03.2017	Smart Placement training is given for III year and final year student of ECE,CSE,IT ,EEE	A total of 572 students attended the placement training programme
9.	06.03.2017	Smart Placement training is given	A total of 628 students attended the

		for III year and final year student of mechanical, civil, aeronautical, EEE and biotech	placement training programme
10.	07.03.2017	Smart Placement training is given for III year and final year student of ECE,CSE,IT ,EEE	A total of 572 students attended the placement training programme

Placement Cell

S. No	Date	Plan of Action	Achievement
1	15.09.2016	Placement conducted by RFTRONICS	3 students were placed from ECE
2	28.12.2016	Placement conducted by SANS PAREIL IT SERVICES	5 students were placed (CSE – 2, ECE – 2, IT – 1)
3	03.01.2017 & 05.01.2017	Placement conducted by CSS CORP	4 student from CSE and 3 students from ECE were placed
4	13.02.2017	Placement conducted by SUTHERLAND	AERO - 6, CIVIL – 5, CSE – 26, ECE – 37, EEE – 16, IT – 11, MECH – 35 were placed.
5	22.02.2017	Placement conducted by SURYA INFORMATICS SOLUTIONS PVT LTD	CSE – 3, ECE – 1, IT – 1 were placed
6	09.03.2017	Placement conducted by ICICI SECURITIES	MBA - 1
7	21.03.2017	Placement conducted by ZEALOUS SERVICES	AERO - 4, CIVIL – 5, CSE – 18, ECE – 11, EEE – 2, IT - 11, MECH – 16 were placed.
8	27.03.2017	Placement conducted by AMAZON	CSE – 1, ECE - 1 were placed.
9	03.04.2017	Placement conducted by FLEXTRONICS TECHNOLOGIES	ECE – 3, EEE – 1 were placed.
10	10.04.2017 & 11.04.2017	Placement conducted by PROTHIOUS ENGINEERING PVT LTD	CIVIL – 1 was placed.
11	21.04.2017	Placement conducted by QSPIDERS	AERO - 1, CIVIL – 2, CSE – 13, ECE – 14, EEE – 1, IT - 3 were placed
12	10.07.2017	Placement conducted by DRILL JIG BUSHING MADRA PVT LTD	CSE – 1, MECH – 7 were placed.

Entrepreneurship Development Cell

S.No.	Date & Month	Event	Achievement
1	03.08.2017	One Day workshop on Entrepreneurship Orientation Programme through National Small Industries Corporation Ltd.Guindy Industrial Estate, Ekkaduthangal, Chennai.	Motivating our students to become an Entrepreneur
2	September 2017	Seminar on Entrepreneurship current scenario through Anna University -EDI	
3	February 2018	Guest Lecture on Awareness about TBI	
4	March 2018	Entrepreneurship Development cell Programme competitions on E-DAY'18	

Higher Studies Cell

S.NO	DATE	PLAN OF ACTION	ACHIEVEMENT
1.	30.03.2017	Awareness on Higher Education	Participants: Third Year Civil and IT students
2.	31.03.2017	Awareness on Higher Education	Participants: Third Year CSE and ECE students
3.	04.04.2017	Awareness on Higher Education	Participants: Third Year Mechanical students
4.	05.04.2017	Awareness on Higher Education	Participants: Third Year Chemical, Aeronautical, Bio-Technology and EEE students