



JAI SHRIRAM ENGINEERING COLLEGE

(Approved by AICTE, Affiliated to Anna University – Chennai, Accredited by NAAC)

Dharapuram Road, Avinashipalayam

Tirupur – 638660

Annual Quality Assurance Report (AQAR) 2017-18

Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, **Bengaluru - 560 072**, India

INDEX

S. No.	Description	Page No.
1	Part – A	3
2	Part – B	
2.1	Criterion I - Curricular Aspects	7
2.2	Criterion II - Teaching – Learning and Evaluation	10
2.3	Criterion III – Research, Innovation and Extension	13
2.4	Criterion IV – Infrastructure and Learning Resources	28
2.5	Criterion V – Student Support and Progression	31
2.6	Criterion VI – Governance, Leadership and Management	35
2.7	Criterion VII – Institutional Values and Best Practices	42

The Annual Quality Assurance Report (AQAR) of the IQAC
(For Affiliated/Constituent Colleges)
Part – A

Data of the Institution

1. Name of the Institution: JAI SHRIRAM ENGINEERING COLLEGE

(Formerly Jay Shriram Group of Institutions – Name of the institution changed with effect from Academic year 2018-19)

- Name of the Head of the institution : Dr.S.NITHIYANANDAM
- Designation: PRINCIPAL
- Does the institution function from own campus: Yes
- Phone no./Alternate phone no.: 0421-2313335 / 0421-2313336
- Mobile no.: 9047098314
- Registered e-mail: principal@jayshriram.edu.in
- Alternate e-mail : admin@jayshriram.edu.in
- Address : Dharapuram Road, Avinashipalayam
- City/Town : Tirupur
- State/UT : Tamilnadu
- Pin Code : 638 660

2. Institutional status:

- Affiliated / Constituent: Affiliated
- Type of Institution: Co-education/~~Men/Women~~
- Location : Rural/~~Semi-urban/Urban~~
- Financial Status: ~~Grants-in-aid/UGC 2f and 12 (B)~~/ Self financing
- Name of the Affiliating University: Anna University, Chennai
- Name of the IQAC Co-ordinator : Dr.J.Nandhini
- Phone no. : 0421-2313335
Alternate phone no.: 0421-2313336
- Mobile: 9585591406
- IQAC e-mail address: iqac@jayshriram.edu.in
- Alternate Email address: principal@jayshriram.edu.in

3. Website address: www.jayshriram.edu.in

Web-link of the AQAR: (Previous Academic Year):

<http://www.jayshriram.edu.in/AQAR2016-17.doc>

4. Whether Academic Calendar prepared during the year?

Yes/No....., if yes, whether it is uploaded in the Institutional website: Yes

Weblink: <http://www.jayshriram.edu.in/academics/academic-calender>

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	B	2.24	2016	from:2016 to: 2020
2 nd				from: to:
3 rd				from: to:
4 th				from: to:
5 th				from: to:

6. Date of Establishment of IQAC: DD/MM/YYYY: 01.09.2016

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Regular Meeting of Internal Quality Assurance Cell	7.7.2017	28
	25.9.2017	29
	15.12.2017	27
	15.3.2018	28
Academic Administrative Audit conducted	20.04.2018	All Departments

Note: Some Quality Assurance initiatives of the institution are:

(Indicative list)

- *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements*
- *Academic Administrative Audit (AAA) conducted and its follow up action*
- *Participation in NIRF*
- *ISO Certification*
- *NBA etc.*
- *Any other Quality Audit*

8. Provide the list of funds by Central/ State Government-

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Department of ECE	Seminar	ICMR	2017 & 1 day	Rs. 40,000/-
School of Management Studies	Project	TNSTC	2017 & 3 months	Rs.10,000/-

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes

*upload latest notification of formation of IQAC

<http://www.jayshriram.edu.in/naac.html>

10. No. of IQAC meetings held during the year: 04

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website..... Yes

<http://www.jayshriram.edu.in/naac.html>

(Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? Yes No ✓

If yes, mention the amount: Not Applicable Year: --

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

- * Student involvement in key activities
- * Internal exam reforms
- * Faculty training in industries
- * Peer group activities
- * Supporting Students in Extra-curricular and Co-curricular activities

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

Plan of Action	Achievements/Outcomes
1. Peer group activities	i. Peer groups are formed among students with each group consisting of 4 to 6 members ii. Students assist themselves in all aspects among the group to have an improvement in their academics. Faculty also conduct peer group activity in their classes like seminar, quiz, group assignments, etc.,
2. More student participation in co-curricular and extra-curricular activities	i. Students are encouraged and motivated by faculty to participate in workshops, technical symposiums, seminars, conferences and other competitions to

3. Modern teaching methods	exhibit their talents and improving their skills Number of Students participated in Co-curricular and Extra-curricular events: 735
4. Mentoring system	i. Faculty are advised to use Audio – visual teaching for effective and better understanding. ii. E-resources like NPTEL lectures, MOOC and SWAYAM are utilised
5. Incorporation of SDWT in academics	i. Faculty are allocated as Mentor to every student with the ratio of 1:13 ii. Mentor assist and motivate the students in their academics and all activities by periodical counselling
	i. Self Directed Work Team (SDWT) is created in the institution for development of Academics, Research and development, Discipline and culture, Industry Institute Partnership and Extracurricular and Co-curricular activities. ii. These teams will be directed by student co-ordinators. They conduct periodic meetings and motivate other students for the improvements. Number of SDWT meetings conducted in a year: 10 Number of suggestions incorporated: 28

14. Whether the AQAR was placed before statutory body? Yes /No: Yes
Name of the Statutory body: Governing Council Date of meeting(s): 27.10.2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?
Yes/No: No Date: --

16. Whether institutional data submitted to AISHE: Yes/No: Yes
Year: 2017 Date of Submission: 16.02.2018

17. Does the Institution have Management Information System?
Yes No

If yes, give a brief description and a list of modules currently operational.
(Maximum 500 words)

All important activities like Academic calendar, Test schedule, performance of Internal exam, University exam performance, Performance of students in Extra-curricular and Co-curricular activities, placement, Trainings, Research and consultancy, Publication by faculty, Funding proposal by faculty, Minutes of HoD Meeting, Quality initiatives and Governing council meeting are communicated to Management on regular basis.

Part-B

CRITERION I – CURRICULAR ASPECTS				
1.1 Curriculum Planning and Implementation				
1.1.1 Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words				
<p>Institute is affiliated to Anna University, Chennai and adopts and delivers the curriculum provided by Anna University for various engineering programs. Institute ensures the effective delivery of curriculum within the framework in order to achieve institute mission. Institute has a structured academic plan, for effective curricular planning and implementation, as per following documented process:</p> <ul style="list-style-type: none">• At the beginning of every academic year, academic calendar of institute is prepared in accordance with academic calendar of Anna University, Chennai which include internal test schedule, university examination schedule, and department and institution level activities.• Head of each department allocates the theory and laboratory courses to faculty members according to area of expertise, skills and relevant experience. Time table for each semester is prepared which shows theory and laboratory class hours. The class timetables are displayed on respective notice boards.• Faculty prepares Lesson plan and Laboratory plan as per the syllabus prescribed by the university and academic calendar issued by the institution.• Faculty prepares extensive lecture notes using university prescribed reference books and other materials like NPTEL. Laboratory manuals are prepared and upgraded, so that students are able to perform experiments in order to understand theoretical concepts with practical applications. Course files are prepared and maintained by respective faculty members, which contain all the information necessary for the effective delivery of the curriculum. Student's attendance and academic progress for individual course is continuously monitored through teaching plan along with continuous monitoring.• Periodical tests are conducted for theory subjects and mock examination for practical / oral. The remedial classes are conducted for the students having poor performance in these evaluations.• The institute follows scheme of Mentoring System [MS]. A group of around 10-15 students are allotted to a teacher who work as mentor for them. The role of Mentor is to conduct a meeting every week, to discuss the students and provide guidance for poor performing students.• Faculty is encouraged to upgrade the curriculum through teaching methods such as workshops, seminars, industrial visits apart from regular/traditional teaching methods.• Views of experts from industry, academia and alumni on curriculum are taken for improving teaching learning process and academics.				
1.1.2 Certificate/ Diploma Courses introduced during the Academic year				
Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
Big Data Analytics	--	27/06/2017 & 48 hours	Employability	Programming and analysis of Data analytics
PLC	--	10/02/2018 & 64 hours	Employability	Programming in PLC
CATIA	--	26/02/2018 & 50	Employability	Analysis and Design of

		hours		machine components
Embedded systems & C programming	--	10/08/2017 & 25 hours	Employability	Programming in Embedded systems
Network Engineering, Routing & Switching	--	10/02/2018 & 56 hours	Employability	Design of Network systems, trouble shooting in routers and switches
Revit architecture	--	30/07/2017 & 30 hours	Employability	Design and Modelling of structures

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
--	--	--	--

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year.

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
B.E, M.E & MBA	Civil CSE ECE EEE Mech	AE, CSE CAD/CAM SE PED MBA	From the Academic year 2017-18	1.8.2017	10.9.2017

Already adopted (mention the year)

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

	Certificate	Diploma Courses
No of Students	203	--

1.3 Curriculum Enrichment

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

Value added courses	Date of introduction	Number of students enrolled
Aptitude training and soft skill training	02.07.2017	All Department placement willing students
Mobile phone assembling & Servicing	28.12.2017	50
Soft Skill Training	10.08.2017	112
Communication Skill Training	10.08.2017	60
Aptitude training	10.08.2017	112
Comsol multiphysics	05.07.2017	71
Revit Architecture	30.07.2017	49
Computer Aided Drawing and Drafting	16.09.2017	28
Ansys and Comsol	21.02.2018	43
Abaqus Training Program	14 .05.2018	29
Training on Staad pro	21.05.2018	32
Soft-skill course	06.01.2018	180

PCB Designing using Orcad	19.01.2018	59		
Introduction to HTML	05.02.2018	30		
Programming in PYTHON	08.05.2018	40		
Embedded systems & C programming	10.08.2017	45		
1.3.2 Field Projects / Internships under taken during the year				
Project/Programme Title		No. of students enrolled for Field Projects / Internships		
Implementation of Field Bus Remote PLC For Wheel Formation Press		4		
Integration of linear displacement encoder and servomotor for 180 ton powder compacting press		4		
Design and implementation of smart intelligence digitalized security system		4		
Battery Modelling and Internal Circuit Analysis of Lead Acid Battery		4		
Study of time management in production of panel boards.		3		
Design and selection of Hydraulic circuits in powder compact machine.		4		
Analysis of spring back effect in sheet metal		4		
Study of hydraulic circuit for Ten ton hydraulic press		4		
Office of the Assistant Executive Engineer, P.W.D., Uthamapalayam		2		
Engineering Project Management Consultancy & Research Pvt. Ltd., Chennai		6		
Improvement of productivity in thermo Plastics and injection moulding		4		
Marketing of Hindu paper (English & Tamil)		75		
Field Project for Civil Engineers – Build Mat Exhibition		18		
1.4 Feedback System				
1.4.1 Whether structured feedback received from all the stakeholders.				
1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	Yes	Yes	Yes
1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)				
<ul style="list-style-type: none">• The feedback is obtained from all stake holders. All the feedbacks are analysed by a committee and valuable suggestion is implemented for the development of the institution.• Feedback is collected from the students at the end of every semester , for every teacher and every subject• The feedback is consolidated and the average value of every parameter is calculated for the all the staff and for all the subjects• Based on the feedback necessary training for the faculty is identified and arranged• Feedback from parents is collected in every parents meeting and suggestions are taken for consideration immediately• Feedback from alumni collected during alumni meet and suggestions are taken for implementation• Employer feedback is collected in a prescribed format and suggestions are taken for improvement• Based on the feedback, various aspects such as workshops, seminars, parents teachers meeting, industrial visit, in plant training are arranged.				

CRITERION II -TEACHING-LEARNING AND EVALUATION					
2.1 Student Enrolment and Profile					
2.1. 1 Demand Ratio during the year					
Name of the Programme	Number of seats available	Number of applications received	Students Enrolled		
Bachelor of Engineering	420	580	339		
Master of Engineering	90	58	27		
Master of Business Administration	60	79	59		
2.2 Catering to Student Diversity					
2.2.1. Student - Full time teacher ratio (current year data)					
Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017-18	339	86	102	08	18
2.3 Teaching - Learning Process					
2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)					
Number of teachers on roll	Number of teachers using ICT (<i>LMS, e-Resources</i>)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
128	104	LCD Projectors, Wi-Fi Facility, NPTEL materials	16	06	NPTEL Lectures Video Presentation in recent topics, MOOC
2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)					
<ul style="list-style-type: none">Student mentoring scheme is available in the college. Based on the student strength in the class around 15-20 mentees are allotted to every faculty. They monitor the following parameter of every students<ul style="list-style-type: none">❖ Attendance❖ Academics❖ Extra and Co-curricular❖ Participation for placement❖ Discipline IssuesAn hour per week is allotted for mentoring the students. During mentoring, mentors meet the students to discuss academics as well as other activities. With the help of mentoring, mentees can get rid of their personal problems and they can concentrate on their studies. Parents also called for counselling if necessary.					

Number of students enrolled in the institution		Number of fulltime teachers		Mentor: Mentee Ratio
1523		128		1:13
2.4 Teacher Profile and Quality				
2.4.1 Number of full time teachers appointed during the year				
No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
128	128	--	21	3
2.4.2 Honours and recognitions received by teachers				
(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)				
Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies	
2018	Dr.K.Sampathkumar	Professor & Head /EEE	Innovative Technological Research and Dedicated Professor Award (International)	
2018	Prof.R.Gobinath	Associate Professor & Head / Civil	Best Researcher Award (International)	
2.5 Evaluation Process and Reforms				
2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year				
Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
B.E.				
CIVIL	103	03, 05,07/ II, III, IV	30/11/2017	30/12/2017
CSE	104			
EEE	105			
ECE	106	04,06,08 / II, III, IV	26/05/2018	29/06/2018
MECH	114			
M.E.				
AE	401	01/ I	01/08/2017	05/02/2018
CAD/CAM	402			
CSE	405	02/ I	3/05/2018	30/06/2018
PED	415			
SE	413			
MBA	631			

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

For each semester, two internals, three cycle tests and two model exams are conducted.

- Two sets of question papers are prepared by subject faculty
- Tough Questions are framed to test the understanding capability of students
- Centralized valuation is performed
- Answer key is prepared as per university standards
- Faculty should evaluate the answer paper by referring answer key and it is discussed with the students while distributing answer papers. Question paper preparation and answer paper evaluation is done by faculty other than subject in charge.
- Students are continuously tracked based on the marks scored in the individual subjects, participations in activities, active submission of assignments, class records and various documentation procedures.
- Students scoring lowest marks are suggested to attend extra classes and are given attention to enhance their knowledge and skills. Promotions regarding the corresponding subjects are given to the students who score high marks.
- Analysis based on individual subject is prepared and retest in case of any discrepancies is carried out. Analysis regarding the marks scored is highlighted and discussed with the head of the department for every internal assessment and ways to increase their performance is discussed.

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

Academic calendar:

- Before the beginning of each semester, the head of the department discusses and prepares the college academic calendar in concurrence with the University calendar and gets the approval from principal.
- The academic calendar contains the details of reopening and last working day of the semester, working days, holidays, unit completion dates, cycle test, periodical test, model exam, inauguration of department associations and cells/clubs activities.
- The calendar is made to known to all the faculty members before the commencement of the semester. Lesson plans are then prepared based on the academic calendar. Students are then informed about time table and academic calendar through displaying in class notice board.

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.jayshriram.edu.in/civil-peo.html>

<http://www.jayshriram.edu.in/cse-peo.html>

<http://www.jayshriram.edu.in/eee-peo.html>

<http://www.jayshriram.edu.in/ece-peo.html>

<http://www.jayshriram.edu.in/mech-peo.html>

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
103	B.E Civil	71	57	80
104	BE CSE	44	34	77

105	B.E EEE	58	48	83
106	B.E ECE	75	61	80
114	B.E MECH	136	95	70
401	M.E AE	4	3	75
402	M.E CAD/CAM	4	3	75
405	M.E CSE	-	-	-
415	M.E PED	4	3	75
413	M.E SE	13	13	100
631	MBA	44	41	93

2.7 Student Satisfaction Survey

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

- Student Satisfaction Survey is conducted at the end of every semester on the following parameters such as Syllabus completion and depth of coverage, Teaching Methodology, Ability to clear doubts, Language and Communication, Innovation in teaching, Teaching aids used, Application orientation and giving examples, Neutrality in evaluation, Punctuality, Approachability, Support for Co-curricular and Extracurricular activities
- Based on the feedback received from the students, Committee is formed to analyse the feed back, take necessary corrective actions and propose certain new modifications to the existing practice for further development of the institution.

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic year
Major projects	--	--	--	--
Minor Projects	2017-18	Private funding	60,000/-	60,000/-
Interdisciplinary Projects	--	--	--	--
Industry sponsored Projects	10 days	Mackryl Textile India Pvt.Ltd	5,000/-	5,000/-
	15 days	K.M Knit wear	5,000/-	5,000/-
	1 month	Karpagam Industries	10,000/-	10,000/-
	3 Months	Mahendira Aerospace Ltd	1,00,000/-	1,00,000/-
Projects sponsored by the University/ College	--	--	--	--
Students Research Projects (other than compulsory by the College)	1 year	TNSCST	10,000/-	10,000/-
International Projects	--	--	--	--

Any other (Specify)	--	--	--	--
Total			1,90,000/-	1,90,000/-

3.2 Innovation Ecosystem

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

Title of Workshop/Seminar	Name of the Dept.	Date(s)
Seminar on AAC Blocks	Civil Engineering	31.08.2017
Workshop on Estimation and Quantity Surveying	Civil Engineering	22.09.2017
Seminar on Vaastu	Civil Engineering	22.09.2017
Seminar on Concrete Technology	Civil Engineering	23.01.2018
Seminar on Machine Foundation	Civil Engineering	25.01.2018
Seminar on Foundation Design	Civil Engineering	13.02.2018
Workshop on MS Project	Civil Engineering	02.03.2018
Workshop on Data Science and big data analytics	Computer Science & Engineering	07.07.2017
Seminar on How to shine in carrier	Computer Science & Engineering	10.08.2017
Workshop on Python programming	Computer Science & Engineering	16.08.17-17.08.17
Seminar on Google scratch App	Computer Science & Engineering	19.08.2017
Seminar on How to crack MNC interviews	Computer Science & Engineering	12.09.2017
Seminar on Research on Ad-hoc network current activity and future direction	Computer Science & Engineering	28.09.2017
Seminar on An insight into industry needs	Computer Science & Engineering	30.12.2017
Seminar on Industry Readiness	Computer Science & Engineering	05.01.2018
Seminar on Open Source Technologies	Computer Science & Engineering	07.02.2018
Seminar on Bridging the gap between Academia & Industry	Computer Science & Engineering	16.12.2018
Seminar on Networking	Computer Science & Engineering	21.02.2018
Workshop on Mobile Application Development	Computer Science & Engineering	02.03.2018-03.03.2018
Seminar on Placement opportunities in the present scenario	Electrical & Electronics Engineering	7.08.2017
Seminar on Energy awareness	Electrical & Electronics Engineering	24.08.2017
Seminar on Robotics technology	Electrical & Electronics Engineering	27.12.2017
Seminar on Embedded system and its application	Electrical & Electronics Engineering	01.02.2018
Workshop on Industrial automation using PLC & SCADA	Electrical & Electronics Engineering	31.01.2018
Seminar on Energy conservation	Electrical & Electronics	12.02.2018

		Engineering		
Seminar on Electrical CAD		Electrical & Electronics Engineering	13.06.2017	
Workshop on MATLAB		Electronics & Communication Engineering	22.12.2017	
Workshop on PCB Designing using Orcad		Electronics & Communication Engineering	19.01.2018 20.01.2018	
Seminar on RF & MW Engineering		Electronics & Communication Engineering	3.10.2017	
Seminar on Current Technologies in ECE		Electronics & Communication Engineering	7.2.2018	
Seminar on Industry Ready Engineers		Electronics & Communication Engineering	13.2.2018	
Seminar on Robotics and Automation Engineering		Electronics & Communication Engineering	28.2.2018	
3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year				
Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Innovative technological research (Mechanical Engg) and dedicated academic award.	Dr.M.Ramesh	The society of innovative education and scientific research professional	25.03.2018	Mechanical
Best Practices-Self Directed Work Team	Jai Shriram Engineering College	ICT Academy, Chennai	28.03.2018	Institution
Best Paper Award	S.Hari Prasath S.Darffini M.Yogaraj	DST-SERB Sponsored Conference	30 & 31 st March 2018	International Conference
Best Paper Award	S.Gowri	DST-SERB Sponsored Conference	30 & 31 st March 2018	International Conference
3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year				
Incubation Centre	Name	Sponsored by		
--	--	--		
Name of the Start-up	Nature of Start-up	Date of commencement		
--	--	--		

3.3 Research Publications and Awards						
3.3.1 Incentive to the teachers who receive recognition/awards						
State	National		International			
--	--		--			
3.3.2 Ph. Ds awarded during the year (<i>applicable for PG College, Research Center</i>)						
Name of the Department		No. of Ph. Ds Awarded				
Not Applicable						
3.3.3 Research Publications in the Journals notified on UGC website during the year						
	Department	No. of Publication	Average Impact Factor, if any			
National	--	--	--			
International	Civil	9	0.96			
	CSE	1				
	EEE	2				
	Mechanical	6				
	MBA	2				
3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year						
Department		No. of publication				
Civil		2				
CSE		2				
EEE		2				
ECE		2				
MECH		2				
S & H		1				
3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index						
Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Effects of Heat treatment on structural, optical and magnetic properties of electrode posted Fe-Ni P thin films	C.Devi	Journal of Inorganic and organomettallic polymers and materials	2018	10	Asst Prof	2
Investigation of	C.Devi	Oriental journal of chemistry	2018	11	Asst Prof	1

different Ferrous concentration effect on characteristic of Ni-Fe – P nano alloy thin films						
Optimization techniques used in various field-a study	Dr.M.Muthulakshmi	International journal on application in basic and applied science	2018	12	Asst Prof	1
Internals combustion Engine Efficiency Improvements with Biodiesel Blend using CFD	Dr.S.Nithiyanandam	Perspectives em Cinencia da Informacao	2017		Prof & Principal	
Influence of various additives on the combustion analysis of karanja oil blends fuelled in a diesel engine at different injection pressure	Dr.S.Nithiyanandam	Journal of the Chinese society of Mechanical Engineers	2018		Prof & Principal	
An Overview of Hazardous Waste Management In India	Dr.M.Ramesh	International Journal Of Engineering And Management Research	2017		Prof & Head	
Influence of Ageing Behaviour on Hardness of Squeeze Cast Al-7075-2.5% Ti Cp Using Response Surface Methodology	Dr.M.Ramesh	Journal of Manufacturing Engineering	2017		Prof & Head	
Passive Visco elastic Constrained Layer Damping For Beams	G.Selva kumar	Global Research and Development Journal for Engineering	2017		Asst Prof	
Exploration of Mechanical, Physical & Chemical Properties of Terminalia Catappa Fruit	M Srinivasan	International Journal of Research In Aeronautical And Mechanical Engineering	2017		Asst Prof	
Exploration of Mechanical, Physical & Chemical Properties Of Terminalia Catappa Fruit	K Saravana Kumar	International Journal of Research In Aeronautical And Mechanical	2017		Asst Prof	

		Engineering				
A Study of Mechanical Properties Parameters of Friction Stir Welding Aa 6063 Aluminium Alloy In O & T6 Conditions	L Niramal raj B. Saravanan & N.Thangavel	International Journal of Applications In Mechanical and Production Engineering	2017		Asst Prof	
Investigation Of Mechanical Properties In Polymer Based Composites Materials	L Nirmal raj	International Journal For Scientific Research & Development	2018		Asst Prof	
IOT Based Smart Electric Load Curb And Superintendence System	Dr.K.Sampath kumar	International Journal of Engineering and Manufacturing Science.	2018		Prof & Head	
Innovative Intravenous Fluid Control And Emergency Monitoring System fluid Control And Emergency Monitoring System	Dr.K.Sampath kumar	International Journal of Engineering and Manufacturing Science.	2018		Prof & Head	
Electronic Trapping of Insect Pests & Moisture Control In Agriculture Fields	Dr.K.Sampath kumar	International Journal for Scientific Research & Development	2018		Prof & Head	
DC Link Capacitor Performance, Packing and Testing	Dr.K.Sampath kumar	International Journal on Applications In Electrical And Electronics Engineering	2018		Prof & Head	
Automatic Smart Ambulance System With Intelligent Traffic Control	N.Lakshmi priya	International Journal for Scientific Research & Development	2018		Asst Prof	
Design And Implementation of High Efficiency Asymmetric Forward Fly Back Converter	S.Ayyappan	International Journal of Intellectual Advancement and Research in Engineering Computations	2018		Asst Prof	
Solar Based Home	S.Ayyappan	International	2018		Asst	

Application Using Android Application		Journal on Applications In Electrical and Electronics Engineering			Prof	
Design and Implementation of Field Bus Remote Plc for Wheel Formation Press	S.Ayyappan	International Journal on Applications in Electrical and Electronics Engineering	2018		Asst Prof	
Smart Navigation System for Visually Impaired	P.Hema	International Journal for Scientific Research & Development	2018		Asst Prof	
A Novel Flying Capacitor Multilevel Inverter With Stable Output Voltage	E.Babu	International Journal of Advanced Research And Publications	2017		Asst Prof	
Effective Energy Consumption with Power Quality Improvement In Distribution	E.Babu	International Journal for Scientific Research & Development	2018		Asst Prof	
A Novel Flying Capacitor Multilevel Inverter With Stable Output Voltage	K.Dhivya	International Journal of Advanced Research And Publications	2017		Asst Prof	
Renewable Energy Based Land Ploughing Tractor With Wireless Control	K.Dhivya	International Journal For Innovative Research In Science And Technology	2018		Asst Prof	
Integration Of Linear Displacement Encoder And Servomotor For 180 Ton Powder Compaction Press	V.Maheskumar	International Journal of Engineering And Techniques	2018		Asst Prof	
Design And Implementation Of Solar PV Fed BLDC Motor Driven Water Pump Using MPPT	V.Maheskumar	International Journal of Scientific Engineering and Applied Science	2018		Asst Prof	
Utilization Of PV Solar Farm As A Statcom In A	T.Vignesh	International Journal for	2018		Asst Prof	

Distribution Networking		Innovative Research In Science and Technology				
Intelligent Energy Management Systems Using Ac Micro Grid For Renewable Energy Integration	T.Vignesh	Global Research and Development Journal for Engineering	2018		Asst Prof	
Strength and Analysis of Basalt Fibre in concrete	K.Satheskumar	International Journal of Chemtech Research	2017		Asst Prof	
Statistical Analysis of Self-Compacting Concrete Impregnated with coir fiber	M.Dharshna Devi	Journal of mines metals and fuels	2017		Asst Prof	
Assessment of ground water quality using spatial variation technique	R.Gobinath	Journal of Chemical and Pharmaceutical Sciences	2017		Prof & Head	
Leachate Characterization and Assessment of Ground water pollution near municipal solid waste dumpsite, Thanjavur	M.Maheswari	International Journal of Water Resource Engineering	2017		Asst Prof	
Physico-Characteristics of Ground water in Tirupur District	M.Maheswari	International Journal of Water Resource Engineering	2017		Asst Prof	
Water Quality Mapping of Tirupur District During Seasonal variation	M.Maheswari	International Journal of Water Resource Engineering	2017		Asst Prof	
Freeze-Thaw resistance of an Alluvial soil stabilized with Eco sand and Asbestos-free Fiber powder	R.Gobinath	International Journal of Geomatics and Geosciences	2017		Prof & Head	
Utilization of Flyash and Etp Sludge In Concrete With Addition Of Banana Fiber	T.Sathanandham	International Journal of Civil Engineering and Technology (IJCIET) / IAEME Publication	2018		Asst Prof	

Benificiated pozzolans as cement replacement in bamboo-Rinforced concrete	S.Karthik	Innovative Infrastructure Solutions / Springer	2018		Asst Prof	
Encryption and decryption of audio signal using LSB algorithm	Dr.J.Nandhini	International Journal of Advanced Research & Publications	2017		Asso Prof	
Data Adaptive Routing for IoT enabling underwater wireless senior networks	Dr.J.Nandhini	International Journal of Innovative Science & Applied Engineering Research	2017		Asso Prof	
Computer vision based disease detection and classification in apple fruit	Ms.G.Ramya	International Journal of Engineering Research of Technology	2017		Asst Prof	
Computer vision based disease detection and classification in apple fruit	Ms.S.Menaga	International Journal of Engineering Research of Technology	2017		Asst Prof	
Intelligence Waste Management For Smart Cities	Ms.S.Menaga	International Journal of Innovative Research Computer & Communication Engineering	2017		Asst Prof	
IoT Based ATM Secure Monitoring	Ms.S.Menaga	International Journal of Innovative Research Computer & Communication Engineering	2017		Asst Prof	
UAV Based Pesticide Spraying System In Agriculture	Mr.A.Anandkumar	International Journal of Research In Electronics	2017		Asst Prof	
Fabrication of intelligent Helmet to avoid road accident during peak hours	Mr.A.Anandkumar	International Journal of Innovative Research In	2017		Asst Prof	

		Scientific Engineering & Technology				
Computer Aided Screening of Tuberculosis Using Artificial Neural network	Mr.A.Anandkumar	International Modern Trends In Engineering & Science	2017		Asst Prof	
IOT based smart security and monitoring device in agriculture	Mr.S.HariBabu	International Modern Trends In Engineering & Science	2017		Asst Prof	
UAV Based Pesticide Spraying System In Agriculture	Mr.S.HariBabu	International Journal of Research In Electronics	2017		Asst Prof	
viterbi Algorithm optimization for storage transmit error	Mr.S.HariBabu	International Journal of Innovative Research Computer & Communication Engineering	2017		Asst Prof	
Multiple task of IoT based smart searching and monitoring device for agriculture	Mr.S.HariBabu	International Journal of Innovative Research Computer & Communication Engineering	2017		Asst Prof	
UAV Based Pesticide Spraying System In Agriculture	Mr.K.Dinakaran	International Journal of Research In Electronics	2017		Asst Prof	
Design An Antenna For Weather Forecasting By Using SDR And Gnuradio	Mr.K.Dinakaran	International Journal of Innovative Research Computer & Communication Engineering	2017		Asst Prof	
UAV Based Pesticide Spraying System In Agriculture	Mr.T.Mani	International Modern Trends In Engineering & Science	2017		Asst Prof	
Computer Aided Screening of Tuberculosis Using	Mr.T.Mani	International Journal of Innovative	2017		Asst Prof	

Artificial Neural network		Research Computer & Communication Engineering				
Automation design of Unmanned agriculture Realtime system Using PLC	Mr.T.Mani	International Journal of Research In Electronics	2017		Asst Prof	
IoT Based Smart Security and Monitoring Devices In Agriculture	Mr.T.Mani	International Journal of Research In Electronics	2017		Asst Prof	
Indoor location Mover Using AI For Aged People	Mr.T.Mani	International Journal of Research In Electronics			Asst Prof	
Controlling Static Power: Leakage In 7T SRAM Cell using Power Gating Technique	Mr.T.Mani	International Journal of Research In Electronics	2017		Asst Prof	
Encryption and decryption of audio signal using LSB algorithm	Mrs.G.Kalaiarasi	International Journal of Advanced Research & Publications	2017		Asst Prof	
Encryption and decryption of audio signal using LSB algorithm	Mrs.A.SNarmadha	International Journal of Advanced Research & Publications	2017		Asst Prof	
Fabrication of intelligent Helmet to avoid road accident during peak hours	Mr.N.Dhanaraj	International Journal of Innovative Research In Scientific Engineering & Technology	2017		Asst Prof	
Fabrication of intelligent Helmet to avoid road accident during peak hours	A.Stephen Sagayaraj	International Journal of Innovative Research In Scientific Engineering & Technology	2017		Asst Prof	
Segmentation of diseases in tomato using image processing	A.Stephen Sagayaraj	International Modern Trends In Engineering & Science	2017		Asst Prof	
Classification of Breast	A.Stephen Sagayaraj	International	2017		Asst	

cancer at different stages		Journal of Innovative Research Computer & Communication Engineering			Prof	
Unified water swirl algorithm for QoS multicast routing in MANETS	Dr.D.Kalaiselvi, K.Saranya, S.Indumathi	International Journal of Pure and Applied Mathematics	2017	-	Prof & Head, Asst Prof, Asst Prof	-

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

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Assessment of ground water quality using spatial variation technique	R.Gobinath	Journal of Chemical and Pharmaceutical Sciences	2017	11		Associate Professor
Strength and Analysis of Basalt Fibre in concrete	K.Satheskumar	International Journal of Chemtech Research	2017	13		Assistant Professor
Statistical Analysis of Self-Compacting Concrete Impregnated with coir fiber	M.Dharshna Devi	Journal of mines metals and fuels	2017	9		Assistant Professor
Utilization of Flyash and Etp Sludge In Concrete With Addition of Banana Fiber	T.Sathanandham	International Journal of Civil Engineering and Technology (IJCET) / IAEME Publication	2018	12		Assistant Professor

3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :				
No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	11	43	8	5
Presented papers	56	18	--	--
Resource Persons	--	2	2	4
3.4 Extension Activities				
3.4.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year				
Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated such activities	Number of students participated in such activities	
Road safety and Awareness program	YRC & Kalam Nanbargal, Coimbatore	2	248	
NSS Special camp	NSS & Ministry of youth affairs Govt. of India	1	42	
Eye Camp	NSS & Lotus Eye Care Hospital, Tirupur	1	250	
YRC Training program	YRC – Anna University Regional Campus	1	04	
Blood Donation Camp	Lions Club of Erode	1	50	
Distribution of seed balls and samples	YRC & Kalam Nanbargal	02	351	
3.4.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year				
Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited	
--				
3.4.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year				
Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated such activities	Number of students participated in such activities
Swachh Bharat	NSS & YRC / Government of India	Creative Awareness about avoiding open defecation and constructing toilets	12	128
3.5 Collaborations				

3.5.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year				
Nature of Activity	Participant	Source of financial support	Duration	
--				
3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year				
Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Participant
Training	Internship program	Ampere Vehicles Pvt. Ltd, Coimbatore	1month (23.5.2018 – 23.6.2018)	4
Training	Industrial training	Salzer Electronics Ltd, Coimbatore	7 days (29.5.2018 – 04.6.2018)	3
Training	Industrial training	Rotaro Engineers Private Ltd, Coimbatore	6 days (23.5.2018 - 29.5.2018)	4
Training	Internship	Ampere Vehicles Pvt. Ltd, Coimbatore	3 Months	4
Project	Project work	Barani Hydraulics India Private Ltd, Coimbatore	3 Months	4
Project	Project work	Barani Hydraulics India Private Ltd, Coimbatore	3 Months	4
Training	Industrial training	Barani Hydraulics India Private Ltd, Coimbatore	1-WEEK (22.06.2018- 29.06.2018)	3
Training	Industrial training	Barani Hydraulics India Private Ltd, Coimbatore	1Week	4
Training	Industrial training	Best Engineering Pumps, Coimbatore	1Week (7.12.2017 - 15.12.2017)	4
Training	Industrial Training	Barani Hydraulics India Private Ltd, Coimbatore	3 days (28.5.2018 – 30.5.2018)	6
Internship	Project	Barani Hydraulics India Private Limited	2 Months (2.1.2018 – 28.2.2018)	4
Internship	Project	Barani Hydraulics	2 Months	4

		India Private Limited	(2.1.2018 – 28.2.2018)	
Internship	Project	Barani Hydraulics India Private Limited	2 Months (2.1.2018 – 28.2.2018)	4
Training	Industrial Training	Barani Hydraulics India Private Ltd, Coimbatore	3 days (28.5.2018 – 30.5.2018)	6
Internship	Project	Embuzzo	2 days (07.06.2018- 08.06.2018)	18
Internship	Project	Code bind	8 days (05.12.2017- 12.12.2017)	8
Internship	Project	Appin Technology	8 days (05.12.2017- 12.12.2017)	8
Internship	Industrial training	Uniq Technology	8 days (05.12.2017- 12.12.2017)	8
Internship	Project	L &T	2 Months (2.1.2018 – 28.2.2018)	3
Internship	Project	Barani Hydraulics India Private Limited	2 Months (2.1.2018 – 28.2.2018)	4
Internship	Project	ECO – Advance Polytech Pvt. Ltd	2 Months (2.1.2018 – 28.2.2018)	4

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

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
FACEAT & P	09.01.2018	Internship/ Job Opportunities	151/15
CAD Centre	05.01.2018	Training and Placement	13/1
TCSion	21.06.2017	End to end infrastructural support	15

Signed Previous but still continuing

Ovieya Builders Pvt. Ltd	22.12.2015	Industrial Interaction Experts Seminar Internship Job Opportunities	188/15
New Eraa Construction	13.1.2016		188/15
Barani Ferrocast Pvt. Ltd, Coimbatore	13.02.2016		188/15
SRV & CO	03.02.2016		188/15

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
Rs.45,00,000/-	Rs.46,62,721/-

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	11.14 Acres	-
Class rooms	3240.89	-
Laboratories	4278.92	-
Seminar Halls	890.34	-
Classrooms with LCD facilities	10	5
Classrooms with Wi-Fi/ LAN	3	-
Seminar halls with ICT facilities	1(Conference Hall)	1
Video Centre		
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	Rs.3,51,001/-	Rs.1,37,192/-
Others	-	-

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System -ILMS }

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Campus I lib	Fully	5.8.7	2009

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	24918	7754173	1415	467622	26333	8221795
Reference Books	2176	709959	-	-	2176	709959
e-Books	402	-	86	-	488	-
Journals	726	1566531	67	196000	793	1762531
e-Journals	5676	75422	950	11500	6626	86922

Digital Database	275	NPTEL VIDEOS	-	-	275	NPTEL VIDEOS
CD & Video	1284	-	45	-	1329	-
Library automation	Fully Automated				Fully Automated	
Weeding (Hard & Soft)						
Others (specify)	-	-	-	-	-	-

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available bandwidth (MGBPS)	Others
Existing	566	10	48MBPS	3	-	15	7	48MBPS	-
Added	0	0	16 MBPS	0	-	0	0	16 MBPS	-
Total	566	10	64 MBPS	3	-	15	7	64 MBPS	-

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

60 (4 mbps broad band) MBPS /GBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility

4.3.4 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc
Developed and shared to the students of our institution only.

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e – content
A.Gokilavani	XSLT	PPT	31.07.2017
	BPEL	PPT	12.09.2017
N.Gomathi	Alpha Beta pruning	Video	26.12.2017
	Min-Max Algorithm	Video	26.12.2017
A.M.Ravishankar	Sliding window protocol	PPT	20.07.2017
T.Seenivasan	RSA algorithm	PPT	12.09.2017
	Cipher techniques	Video	01.08.2017
P.Mallika	OOPs Concepts	PPT	27.12.2017
	Multithreading	PPT	06.03.2018
K.Saranya	White box testing	Video	03.01.2018
	Static Vs Structural testing	PPT	04.01.2018
S.Indhumathi	Control Implementation scheme	PPT	08.01.2018
N Thangavel	Heat Treatment	PPT	16.8.2017
K Saravana Kumar	Bevel gear engagement & its nomenclature	PPT	12.1.2018

G Selva Kumar	Pumps & turbine	PPT	06.9.2017
S Karthikeyan	Supply demand theory	PPT	22.1.2018
A Peramanan	Abrasive jet machining	PPT	06.2.2018
L Nirmal Raj	Lathe	PPT	24.1.2018
R Mahendran	Vibration	PPT	08.9.2017
A Selvakumar	Classification of production	PPT	08.2.2018
M Srinivasan	Internal combustion engine	PPT	01.2.2018
B Saravanan	Entrepreneurship development opportunities	PPT	07.2.2018
G Selva Kumar	Solar Energy	PPT	23.1.2018
M Srinivasan	Three phase heat transfer	PPT	31.8.2017
C.Satheeshkumar	Stress and strain diagram	PPT	27.7.2017
S.Rajeshkumar	Types of welding	PPT	13.7.2017
S.Rajeshkumar	Reasonability,scheduling	PPT	17.7.2017
L Nirmal Raj	Types of joints	PPT	07.2.2018
S Haribabu	Cmos fabrication	PPT	31.1.2018
S Haribabu	TQM Tools	PPT	12.1.2018
S Haribabu	Viterbi Decoding	PPT	11.10.2017
Gokulnath	Dialysis and Pacemaker	Video	13.10.2017
D Mohanapriya	Transistor operation	PPT	02.02.2018
D Mohanapriya	Application of signal processing	Video	19.02.2018
G Ramya	Resonance and Frequency circuits	PPT	16.02.2018
G Ramya	Challenge case study	PPT	12.02.2018
A Anand Kumar	Generation of wireless Networks	PPT	09.02.2018
K Dhinakaran	Wave Propagation in space	PPT	31.01.2018
N Dhanaraj	FDMA CDMA TDMA	Video	19.02.2018
K Dhinakaran	Roles of organisation	PPT	04.01.2018
A S Narmadha	Architectures of 8085, 8086,8051	PPT	14.09.2017
S Menaga	Introduction and application of DSP	PPT	08.01.2018
S Menaga	Mobile Communication	Video	11.01.2018
B Saritha	Heart Lung Machine	Video	02.02.2018
B Saritha	Transient Analysis of AC Circuit	PPT	06.02.2018
T Mani	CMOS Process	PPT	09.01.2018
T Mani	Pn Junction Diode	Video	21.01.2018
A Stephen	Tools of TQM	PPT	05.01.2018
A Stephen	Pipelining	PPT	10.09.2018

4.4 Maintenance of Campus Infrastructure

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

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1,00,00,000/-	1,95,24,984/-	2,00,00,000/-	3,22,04,738/-

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

Library:

Students can use the library facilities between 8 Am to 7 Pm during all working days. Students can lend with six

books and they can renew it for every 15 days.

Laboratory:

Students can utilize their department laboratories during normal and after office hours till 8 Pm. During holidays students are permitted to use with prior request from their department with staff support.

Maintenance:

Cleanliness and other things are maintained by the concern departments. Service will be taken care by individual lab in charge and technician allocated by the individual department. Periodical maintenance will be done. If any equipment/component is break down ,the supplier will be called and rectified immediately

Sports:

Students can use the sports facilities during 6 Am to 8.30 Am and 5 Pm to 7 Pm. Students can use the facilities during holidays with prior intimation to Physical Director.

Class room:

Students are assigned with specific class room and class room details are mentioned in time table for easy identification. As sufficient number of class rooms are available, the students are not relocated.

Computer:

Every department is having computers apart from central computing facilities. Students can use the computer apart from lab hours with the prior request from the faculty.

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	Management Scholarship	662	Rs.1,01,16,000/-
Financial support from other sources			
a) National	Government Scholarship	430	2,77,35,000/-
b) International	--	--	--

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft Skill Training	10.08.2017	112	School of Management studies
International Yoga day celebration	21.6.2017	180	GMCKS Pranik Healing, Tamilnadu
Mentoring	2.7.2017	1024	Faculty of JSRGI
Remedial Coaching	15.7.2017	450	Faculty of JSRGI
Bridge Course	1.8.2017	339	Faculty of JSRGI
Aptitude Training	2.7.2017	645	Faculty of JSRGI

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

Year	Name of the	Number of benefited	Number of	Number of students	Number of
------	-------------	---------------------	-----------	--------------------	-----------

	scheme	students by Guidance for Competitive examination	benefited students by Career Counselling activities	who have passed in the competitive exam	students placed
2017-2018	IAS academy	87	345	--	--

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

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
---------------------------	-----------------------------	--

No grievances were received from students during the Academic year

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
UNIQ TECHNOLOGIES	87	2	TCS	5	1
MECHTON	66	11	INFOSYS	4	1
BLUEZ INFOMATIC	138	45	CALIBER INTERCONNECTED	8	1
JUST DIAL	128	20	M/S BIBOX LABS	6	0
SOFT SOLUTIONS	49	0	IVTL (INFOVIEW)	8	0
NEEL AUTO COMPONENTS	61	11	DECATHLON	15	0
RAJASRIYA AUTOMATION	45	10	BYJUS	41	1
VERNALIS	14	0	KGISL	13	0
SQUSH APPS	14	0	RA FAX SERVICES	3	1
IDBI FEEDERAL LIFE INSURANCE	112	28	UAPTL	5	3
INFINITI SOFTWARE SOLUTIONS	43	2			
AEE BEE ACADEMY	53	14			
SOLVERS INDIA	24	0			
ALPHA ASSOCIATES	35	28			
GALORE NETWORKS PRIVATE Ltd	35	8			
SAKTHI GEARS,COIMBATOR	48	22			

E					
KLR INFO TECH	67	24			
NEEDS GLOBAL SOLUTIONS	83	42			
FUTURE GENERALI	57	22			
SRI HOMES	25	4			
INDUS TOWER	20	7			
RMB & CO	22	3			
AHAD BUILDERS	11	1			
KR BUILDERS	15	4			
ECO ADVANCED POLY TECH	34	14			
SS TECHNOVATION	32	8			
SOFT DRIZZLE	69	3			

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2017-18	01	B.E	CSE	Jai Shriram Engineering College	ME CSE
2017-18	01	B.E	EEE	Kalaignar Karunanidhi Institute of Technology, Coimbatore	M.E Power Electronics and Drives
2017 - 18	01	B.E	ECE	Jai Shriram Engineering College	M.E Applied Electronics

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

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	-	
SET	-	
SLET	-	
GATE	1	EC18S57112077
GMAT	-	
CAT	-	
GRE	-	
TOFEL	-	
Civil Services	-	
State Government Services	-	
Any Other	-	

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year		
Activity	Level	Participants
Essay Writing	Institution	20
Speech	Institution	18
Drawing	Institution	36
Video Presentation	Institution	86
Poem Writing	Institution	5
Dance	Institution	80
MIME	Institution	50
Skit	Institution	30
Singing	Institution	10
Cricket	Institution	44
Volley ball	Institution	44
Basket ball	Institution	33
Throwball	Institution	24
Tennikot	Institution	20
Kho – Kho	Institution	24
Chess	Institution	10
Carrom	Institution	15
Shuttle	Institution	21
Shot put	Institution	26
Jawlin Throw	Institution	14
Discuss Throw	Institution	9
Athletics	Institution	89

5.3 Student Participation and Activities

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

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2018	Runners	International Level	Senior International Championship Mini foot ball	-	711214114040	S.Praveen
2018	Runners	National Level	Senior National 7A Side Football Championship	-	711214114040	S.Praveen
2017	1 st place	National (Hosur)	Kung-Fu (RGFI)		711215105052	M.Vishnu
2017	1 st place	National (Tirupur)	Kung-Fu		711215105052	M.Vishnu
2017	Participation	National (Goa)	7-A-Side Foot Ball		711214105040	V.Sivaprakas

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)
<p>The following council & bodies/committees is functioning in our institution for the improvement</p> <ul style="list-style-type: none"> • Students are members in Internal Quality Assurance Cell. Meetings are conducted between the members and any suggestions and feedback from the students are addressed then and there. • Students are members in various Associations, clubs and cells of the institution. A student can be added as a member in at least one of the cells/clubs. • Anti-Ragging Committee and Anti Ragging Squad is formed to safeguard the students against Ragging. This committee is headed by Principal and Led by HoDs and Faculty. • Students act as co-ordinators in Training and Placement cell to lead the training programs and placement activities. • Students form themselves as a Peer team headed by the student to help and motivate among themselves. • Self Directed Work Team (SDWT) is formed for the improvement of academic activities of students, this committee will meet twice in a semester to discuss the following issues <ul style="list-style-type: none"> ✓ Academic improvement activities ✓ Result improvements ✓ Placement activity & Training ✓ Student welfare activities ✓ Administrative issues ✓ Extracurricular & Co-curricular activities ✓ Discipline and Culture ✓ Other matters
5.3 Alumni Engagement
5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):
No
5.3.2 No. of registered enrolled Alumni: 2809
5.3.3 Alumni contribution during the year (in Rupees) : --
5.3.4 Meetings/activities organized by Alumni Association: Every department interacts with the Alumni through association and organize a session to create awareness and share their experience with the students.
CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT
6.1 Institutional Vision and Leadership
6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)
<ul style="list-style-type: none"> • HoDs are given individual responsibility to improve the student quality , enhancing the teaching – learning, arranging value added course, industrial training as well as industrial projects, subject allocation and faculty training. • Faculty are given responsibility to prepare effective lecture and lab plan, set question papers and do effective evaluation with proper answer key. • Students can express their views through SDWT and feedback system on Academic activities, Discipline,

placement training and activities, industrial training and other extra and co-curricular activities.
6.1.2 Does the institution have a Management Information System (MIS)? Yes/No/Partial:
Partial
6.2 Strategy Development and Deployment
6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):
<ul style="list-style-type: none"> ❖ Curriculum Development <ul style="list-style-type: none"> • The Curriculum was framed by the Anna University. At the delivery point, our institution has implemented the practice of keeping track of the coverage of the portions, time taken for completing the syllabus, teaching aids used and evaluation done, etc. in the form of log book and work diary inspected and signed by the stake holders. • Value adding courses are conducted on regular basis by identifying the gap in the curriculum and industry needs.
<ul style="list-style-type: none"> ❖ Teaching and Learning <ol style="list-style-type: none"> 1. Activity based teaching and learning 2. Peer group among students 3. Mentoring system 4. Role play 5. Teaching using Audio and Video tools 6. Discussion oriented theory classes 7. Student project work in real time industrial applications 8. Student seminar on advanced topics 9. Internships to students in leading industries 10. Workshops organized to improve the practical skills 11. Mind mapping technique for some subjects 12. NPTEL Video 13. Field training and industrial visits 14. Out bound training 15. Self-Directed Work Team (SDWT) 16. Subscription to E-books
<ul style="list-style-type: none"> ❖ Examination and Evaluation <ol style="list-style-type: none"> 1. Centralized Examination conducted by Internal Examination Cell 2. Two sets of question papers are prepared per subject and randomly selected for internal examination 3. Answer key is discussed with the students while distributing evaluated paper. 4. Question paper setting and evaluation by faculty other than the subject handling faculty. 5. Retest is conducted regularly for slow learners and the student failed in internal Eexaminations.
<ul style="list-style-type: none"> ❖ Research and Development <ol style="list-style-type: none"> 1. Faculty are encouraged to register for Doctoral Degree in their relevant domain 2. Faculty and students are encouraged to take up industrial problems as projects to extend as applied research 3. Consultancy activities are carried out for the nearby industry requirements 4. Faculty members are motivated to send research proposals to various funding agencies for financial support 5. Orientation programs are organized on writing research funding proposals 6. Faculty provided with On – Duty, Registration fee refunds for participating in conferences, FDP, Seminars etc.

7. Encouraging faculty to organize, attend and present papers at state/national/international conferences and seminars				
❖ Library, ICT and Physical Infrastructure / Instrumentation <ul style="list-style-type: none"> • Communication laboratory is available to improve communication skills of students. • LCD projectors are available to enable power point presentation of the learning materials prepared by the faculty. • Placement cell conducts aptitude, group discussion and mock interview classes to improve the students skill. • NPTEL are used for self learning in addition to class room teaching. • Digital Library provides online access to e-journals and e-resources. • Students can use the institution as well as department library for reference. The library functions from 8.00 am to 7.00 pm in the working days and from 8.00 am to 5.00 pm on Sunday. • The digital library is provided for the students through which they can refer journals and other available materials. Internet and language lab facility are extended to all students. • NPTEL videos are available for students and faculties for all the courses. 				
❖ Human Resource Management <ul style="list-style-type: none"> • A systematic HR policy is adopted and used by the institution. • Leaves, On-Duty, Sponsorship for higher education, attending programs, seminars, FDPs, Conferences are provided as per the prevailing norms. • Special privileges such as marriage leave, maternity leave are provided • The staff concerns are addressed then and there. • Recruitment is done as per a pre approval procedure. 				
❖ Industry Interaction / Collaboration <ul style="list-style-type: none"> • The institution is having MoUs with leading industries. • It is planned to add at least one new industry / professional body every year per department • Bringing experts from industry to interact with staff and students • Handling more projects from industry for practical exposure to the students • Planning minimum one industrial visit per class per year • Arranging more internships in industries 				
❖ Admission of Students Admissions are done as per the prevailing norms of Government of Tamilnadu. However the college takes initiatives to promote the institution among public through various programs and means.				
6.2.2 : Implementation of e-governance in areas of operations:				
❖ Planning and Development - Partial				
❖ Administration – Yes				
❖ Finance and Accounts – Yes				
❖ Student Admission and Support - Partial				
❖ Examination – As per University norms				
6.3 Faculty Empowerment Strategies				
6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year				
Year	Name of teacher	Name of conference/ workshop	Name of the	Amount of

		attended for which financial support provided	professional body for which membership fee is provided	support
2018	A.Gokilavani	Problem Solving and Python Programming	JSREC	500
2017	M.Dharshna Devi	One day Workshop on Cold form Steel Structures	JSREC	500
2017	R.Aarthy	One day Workshop on Cold form Steel Structures	JSREC	500
2017	P.Karthi	One Day National Seminar On Research Opportunities In Energy Management Of Buildings	JSREC	500
2017	M.Dharshna Devi	One Day National Seminar On Research Opportunities In Energy Management Of Buildings	JSREC	500
2018	K.Dhivya	National conference	JSREC	500
2018	Dr.K.Samathkumar	5 th International conference on knowledge collaboration in engineering IEKEC-2018	JSREC	500
2017	Dr.K.Samathkumar	National Level workshop on Hands on Training for Artificial neural Network and Fuzzy logic using matlab	JSREC	750
2017	Dr.K.Samathkumar	ICMR-Sponsored seminar on “Advancement in 3D Printing for Medical Imaging –Applications and Models”	JSREC	500
2017	Dr.K.Samathkumar	One day work shop on “Intellectual Property Rights Innovations”.	JSREC	500
2018	Dr.K.Samathkumar	7 th National Level conference Project Expo.	JSREC	300
2018	Dr.K.Samathkumar	International conference on “Interdisciplinary research innovations in Engineering and technology”	JSREC	800
2018	Dr.K.Samathkumar	ICMR sponsored three days national level workshop on “Major challenges of Medical Imaging and Big Data Analytics in Health care &clinical Applications”	JSREC	750

2018	N.Lakshmipriya	International conference on “Interdisciplinary research innovations in Engineering and technology”	JSREC	800
2018	S.Ayyappan	ICRTSEM-2018	JSREC	700
2017	A.Karthikeyan, R.Manikandan	IIMM Conference	JSREC	5,000
2018	M.Srinivasan	Bio degradable material	JSREC	300
2017	Ms.R.Aarthi	One day Workshop on Cold form Steel Structures	JSREC	500
2017	Mr.P.Karthi	One Day National Seminar On Research Opportunities In Energy Management Of Buildings	JSREC	500
2017	Ms.M.Dharshna Devi	One Day National Seminar On Research Opportunities In Energy Management Of Buildings	JSREC	500
2017	M.Srinivasan	Bio degradable material	JSREC	300
2017	N.Thangavel	Engineering material and metrology	JSREC	250
2017	K.Saravanakumar N.Sampathkumar C.Satheeshkumar	Bio instrumentation in human body	JSREC	600

6.3.2 Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2017	Advancement In 3-D Printing For Medical Imaging-Applications and Models	--	24.11.2017	25	2
2018	Yoga	--	21.06.2018	14	1
2017	Seminar on Emotional Intelligence and Human Resources	--	21.12.2017	18	-
2017	Placement Training	--	27.09.2017	36	-
2017	FDP on “Mobile Application Development” by ICT Academy	--	27.11.2017 - 28.11.2017	38	-
2017	FDP on “Emotional Intelligence”	--	21.12.2017 &	28	-

			22.12.2017		
6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year					
Title of the professional development programme		Number of teachers who attended		Date and Duration (from – to)	
Problem Solving and Python Programming		1		26.04.2018 to 27.04.2018	
Problem Solving and Python Programming		2		05.08.2017 to 12.08.2017	
Scratch and App Inventor		5		19.08.2017	
Virtual Computation in Cloud Services		2		12.04.2018 to 13.04.2018	
Seminar on Bio instrumentation in human body		1		6.12.17 to 7.12.17	
Advancement in 3D printing for medical imaging – application and models		14		24.11.2017	
Introduction to mobile APP development		4		27.11.2017 to 28.11.2017	
Faculty development program on LabView for Biomedical Applications		4		15.11.17 to 17.11.17	
Faculty development program on Electronic circuits I		2		05.06.17 to 11.06.17	
Faculty development program on Industrial Automation		1		20.11.17 to 3.12.17	
Faculty development program on digital image processing		2		15.6.17 to 21.6.17	
STC on Array signal processing in radar and wireless communications		1		4.12.17 to 10.12.17	
Faculty development program on digital signal processing		4		11.06.18 to 17.06.18	
6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):					
Teaching			Non-teaching		
Permanent		Fulltime	Permanent		Fulltime/temporary
20		Fulltime	4		Fulltime
6.3.5 Welfare schemes for					
Teaching		Group Insurance Policy PF Marriage leave Hostel accommodation Periodic revision of pay scales of the staff. Free bus facility Sanction of Maternity leave Casual leave / Medical leave. Sabbatical leave Duty leaves facility wherever applicable. Honorarium for publication of articles.			

	Annual Gift			
Non teaching	Periodic revision of pay scales of the staff. Free bus facility. Sanction of Maternity leave with salary Casual leave / Medical leave. Contribution to EPF. Group Insurance Policy Salary advance facilities are provided Free food			
Students	Training for placement On campus Interview Bank loan arrangement Management scholarship Sponsorship from industrialists Group insurance Fees waiver for poor student, single parent students Accidental Benefit Schemes, Government Scholarships			
6.4 Financial Management and Resource Mobilization				
6.4.1 Institution conducts internal and external financial audits regularly : Yes (with in 100 words each)				
6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)				
Name of the non government funding agencies/ individuals		Funds/ Grants received in Rs.	Purpose	
Tirupur North Rotary – Boopathy Nanbargal Arakatalai		80,000/-	Scholarship to the needy students	
6.4.2 Total corpus fund generated - NIL				
6.5 Internal Quality Assurance System				
6.5.1 Whether Academic and Administrative Audit (AAA) has been done?				
Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	--	Yes	By HoDs
Administrative	No	--	Yes	By HoDs
6.5.2 Activities and support from the Parent – Teacher Association (at least three)				
• Parents participation in Anti-Ragging, IQAC, industrial training				
6.5.3 Development programmes for support staff (at least three)				
Provision for part-time study for staff members Orientation Program Hands on training in industry				
6.5.4 Post Accreditation initiative(s) (mention at least three)				
6.5.5				
a. Submission of Data for AISHE portal : (Yes /No)				

b. Participation in NIRF : (Yes /No)				
c. ISO Certification : (Yes /No)				
d. NBA or any other quality audit : (Yes /No)				
6.5.6 Number of Quality Initiatives undertaken during the year				
Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-----)	Number of participants
2017	Academia Industry Meet	22.07.2017	22.07.2017	742
2017	Faculty training	21.12.2017	21.12.2017 to 22.12.2017	28
2017	SDWT	13.07.2017	12.07.2017 to 29.3.2018	1480
2017	Exam Reforms	3.07.2017	3.7.2017 to 19.4.2018	1480
2017	Student Mentoring by ACCE(I)	22.03.2018	22.03.2018	148

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Title of the programme	Period (from-to)	Participants	
		Female	Male
Health Awareness Program	10.1.2018	452	1071
Women's Day celebration	8.3.2018	452	-
Oath on Gender Equity	4.4.2018	452	1071

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:
Percentage of power requirement of the College met by the renewable energy sources

- LED Lights
- Solar Water heaters
- Using Bio-fuels

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	All
Provision for lift	Yes	All
Ramp/ Rails	Yes	All
Braille Software/facilities	No	-
Rest Rooms	Yes	Nil
Scribes for examination	Yes	01
Special skill development for differently abled students	No	-
Any other similar facility	-	-

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year						
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2017-18	04	04	09.07.2017 to 21.07.2017	Training for School Faculty		990
			17.1.2018 to 31.1.2018	Lab support for School students		2490
			17.8.2017 to 24.1.2018	Faculty deputed for teaching government School students		15
			9.4.2018 to 4.5.2018	NEET Coaching for School students		18
7.1.5 Human Values and Professional Ethics						
Code of conduct (handbooks) for various stakeholders						
Title		Date of Publication		Follow up (maximum 100 words each)		
-						
7.1.6 Activities conducted for promotion of universal Values and Ethics						
Activity		Duration (from-----to-----)			Number of participants	
		-				
7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)						
Energy Conservation <ul style="list-style-type: none">Both college and hostels have individual power control panels and energy meters installations, which help in separate and effective monitoring and control of energy consumption.The UPS batteries are maintained in good condition which reduces energy for charging of batteries.Energy conserving lights such as Compact Fluorescent Lamp (CFL), tube lights and LEDs are used in the Institution’s campus and hostels.The solar water heaters are used in hostels.						

Plant Saplings

- Periodic tree plantation as well as Environmental Awareness programs being conducted by NSS and ECO Club.
- Our campus enriched with various types of plants. In all over the area, 25% of area was covered by trees.

Quality of drinking water

- In our campus, Reverse Osmosis (RO) purified water plant supplies safe drinking water in the college campus and both hostels.
- 5000 litres of clean and healthy drinking water supply per day is provided through this treatment plant.

Rain water Harvesting

- Each block is provided with Rain water harvesting facility and the rain water is allowed to percolate underground through the structures in order to maintain and improve the groundwater table.

Solid Waste management

- From our institution, various types of solid wastes were generated. These wastes are collected together and separated properly to an external recycling agency.

Waste water management

- Waste water produced from college and hostel has been utilized to the trees and drained properly.

E- Waste management

- The different types of e-waste generated in the Institute like damaged electrical, electronic and computer hardware equipments are collected together and handed over to an external e- waste recycling agency.

7.2 Best Practices

Describe at least two institutional best practices

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

1. Title: Self-Directed Work Team (SDWT)**2. Objective:**

1. The students involve themselves in hiring industry experts from industry and enhance their knowledge and understanding about industry expectations.
2. Students are given suggestions to improve the academic activities and teaching learning process in campus which are implemented and significant improvements in result are seen.
3. The team involves in developing research activities among the students in various domain and latest technology and this team creates interest to the students to write journal papers and present their papers in various national and international conferences.
4. Dress code, Behavior, Punctuality, Personality, and Grooming has been improved. Absentees has dramatically reduced to less than 80%, late coming.
5. Student's involvement in participation of club, cell, association activities, sports activities and participation in workshops, seminar, and conference are increased with the implementation of suggestions by this team.

3. Context:

The students are not having the habit of studying regularly and Several students are facing difficulty in applying concepts they have studied. It becomes necessary to implement a methodology to address the above issues and hence the SDWT methodology is implemented.

4. Practice:

The SDWT method is having following activities which have been practiced.

1. Students in a class are grouped in to various team members among themselves considering the following criteria - their ability to observe fastly, performance during class delivery etc.,
2. In every team students with fast learning, slow learning, good performance and average performance will be members.
3. Each team member is given the task of ensuring proper learning of fellow members. The good performers are asked to coach the slow learners in the subject they need support, so that the slow learners also perform well in the subjects.
4. Assignments / problems are given team wise and each team is asked to develop solution by discussing among themselves.

5. Evidence of Success:

In the odd semester 2017-18, the SDWT helped us in increasing the results.

6. Problems Encountered and Resources Required:

Problems Encountered:

1. It is felt difficult to make the students and faculty members to understand the usefulness of SDWT.
2. Initial hitches in implementing and regular monitoring were there.
3. Documentation of the SDWT activities were found difficult.

Resources Required:

1. Additional efforts and commitments required from the faculty members
2. Extra time to be spent by the faculty in implementing the method

BEST PRACTICES 2

1. Title of the Practice: Mentoring system

2. Goal:

Bridging the gap between the teachers and students

3. Context:

To Create a better environment in college, where students can approach teachers for both educational and personal guidance. The teachers need to be inculcated with certain qualities to make them more effective in teaching, motivating the students and creating a conducive environment for learning. Several programs are organized for the above.

4. Practice:

Several programs were arranged to enlighten the faculty members in certain aspects and to mould them as better teachers. The following activities had been carried out

1. Pedagogical training
2. Yoga program – with a theme “Living value program through facilitation – A new approach to teaching”
3. Program on mentoring and peer group management

5. Evidence of success:

The training given to the faculty resulted in

1. Enhanced commitment towards lecture delivery
2. Mentoring and counseling of students improved

3. Improvement in results

4. Faculty involvement in student training

6. Problems Encountered and Resources Required

Problems Encountered:

1. It is felt difficult to make the students and faculty members to understand the usefulness of Mentoring system.
2. Initial hitches in implementing and regular monitoring were there.

Resources Required:

1. Additional efforts and commitments required from the faculty members
2. Extra time to be spent by the faculty in implementing the method

7.3 Institutional Distinctiveness

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

This year, Our institution has implemented a special kind of activity in our campus to realize the vision of our institute; Self directed Work Team (SDWT). This is a unique approach used in industries and is tried in the academic institution to enhance its overall performance. Through SDWT, 5 areas have been concentrated viz., Academic, Research and development, Industry Institute Partnership, Discipline & culture and Extracurricular & co-curricular activities. Student representatives from every class and every department are selected on voluntary basis for every Self Directed Work Team. A senior faculty member has been assigned the responsibility of coordinating the activities of every team. Each team met 3 times during the year and they have come out with several innovative ideas to improve the performance in their areas of scope. Several of them have been implemented and yielded fruitful results. As an example, the number of students participated in extracurricular and co-curricular activities were 725.

8. Future Plans of action for next academic year (500 words)

- Planned to encourage the student to work towards research.
- Student centric learning methodology will be deployed to improve the academic activities.
- Faculties are encouraged to do research and motivated to submit proposals and journal papers in their interested domain.
- Planned to get approval from university for research center in ICE.
- We are developing the alumni relationship in order to provide support for department programs.
- Planned to establish a industrial advisory board for our institution and department with the solicit contribution from alumni to strengthen the placement activities

Name Dr.J.Nandhini

Name Dr.S.Nithiyanandam


Signature of the Coordinator, IQAC
HEAD OF THE DEPARTMENT
Department of Electronics & Communication Engineering
Jai Shriram Engineering College
Dharapuram Road,
Avinashipalayam, Tirupur - 638 660.


Signature of the Principal, IQAC
Principal
Jai Shriram Engineering College
Dharapuram Road,
Avinashipalayam, Tirupur-638660. TN.

JAI SHRIRAM ENGINEERING COLLEGE, TIRUPUR, TAMILNADU - AQAR 2017-18

Page 46