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)
2018-19

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

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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.C.RAMESHKUMAR
- Designation: PRINCIPAL
- Does the institution function from own campus: Yes
- Phone no./Alternate phone no.:   04212313335 / 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 : Mrs.A.Gokilavani
- Phone no. : 0421-2313335

   Alternate phone no.: 0421-2313336
- Mobile: 8248219410
- 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/pdf/IQAC_AQAR_2017-18.PDF

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
1st	B	2.24	2016	from:2016 to: 2020
2nd				from: to:
3rd				from: to:
4th				from: to:
5th				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	16.07.2018 28.07.2018 18.09.2018	29 27 28
Academic Administrative Audit conducted	12.07.2019	All Departments

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> ***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*

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

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Institution	Unnath Bharat Abhiyan	Government of India	2019	Rs.50,000/-
School of Management	Project	TNSCST	2018	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: 03
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)
- Faculty training in industries
- Peer group activities
- Supporting Students in Extra-curricular and Co-curricular activities
- Research contribution
- Student inplant and internship

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
More number of student participation in co-curricular and extracurricular activities	Students are motivated by respective mentors to participate in workshops, seminars, conferences and symposium to exhibit their talents and improve their skills..
Modern tool based Learning	Faculties are motivated to use ICT tools for effective learning and make the students to involve in interaction. E resources like NPTEL, SWAYAM and MOOC are utilized

Mentoring system	Faculties are allocated as Mentor to every student with the ratio of 1:13 Mentor assist and motivate the students in their academics and all activities by periodical counseling.

14. Whether the AQAR was placed before statutory body?   Yes /No: Yes
    Name of the Statutory body: Governing Council   Date of meeting(s): 30.11.2019

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: 11.01.2019

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 and 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.

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

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:

- The academic calendar serves as a source of information and planning document for faculty and students of the department. The academic calendar of the institution is prepared at the beginning of each semester with a clear schedule of reopening dates, examinations, co-curricular and extracurricular activities, other events including a list of holidays. Institution level academic calendar is distributed to each and every department.
- Each department includes its plan of activities such as association activities (Seminars, Workshops, Special lectures, alumni interaction), activities of professional societies and industrial visits in the academic calendar of the institution and prepare department wise academic calendar. All the activities of the department are executed by adherence to the academic calendar.
- Faculty prepares Lesson plan and Laboratory plan as per the syllabus prescribed by the university and academic calendar issued by the department.
- Faculty prepares extensive lecture notes by using university prescribed reference books and other materials like NPTEL. Laboratory manuals are prepared as per the syllabus and also prepared the experiments beyond the syllabus 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.
- Internal 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 academic improvement.

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
Special Concrete And NDT	-	01.02.2019 & 1 day	Employability	Civil testing
Ethical Hacking	--	28.05.2018 & 2 days	Employability	Security awareness
Workshop on Raspberry Pi	--	15.09.2018 & 2 days	Employability	Embedded product development

Android mobile phone troubleshooting and servicing	--	20.09.2018 & 2 days	Entrepreneurship	Troubleshooting mobile problems
Geometric Dimension and Tolerance	--	27.08.2019 & 1 day	Employability	Design engineering
Multivariate analysis using SPSS	--	03.09-2019 & 2 days	Entrepreneurship	Research analysis managerial

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

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS/ Elective Course System	UG	PG
B.E, M.E & MBA	Civil CSE ECE EEE Mech	AE CSE SE 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	-	-

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
E-Tab	21.09.2018	49
Revit Structures	04.10.2018	49
Revit Structures	03.12.2018	28
Google Sketch Up	10.10.2018	45
C# and Dot Net Programming	24.09.2018	52
Optimization Techniques	02.01.2019	36
Hands on Training on MATLAB	02.01.2019	14
PCB Designing	02.01.2019	94
Android mobile phone troubleshooting and servicing	19.08.2018	33
Solid Works	27.05.2019	14

1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
AR based assistive system for detecting driver phone in a moving vehicle	4

Digitalization of attendant enrollment mode	3
Corroborating unique tie by provoking over key using three way accredit etiquette	3
Design of IoT for fire detection in industry using raspberry pi	4
Smart home automation using IoT	3
Progressive developmental approach of collaborative neural network and OCR based operative system for visually impaired persons4	4
Implementation of wireless based Real time transformer health monitoring	4
Filter press automation for Dewatering	4
Gait recognition using neural networks	4
Design of transfer unit in hydraulic machine	4
Design of automatic 70T oil quenching hydraulic press	4
Wheel chair controller using intellect rule detector and its application	4
Design and analysis of 70 TON Automatic hydraulic riveting press machine	4
Implementation of Traffic engineering in MPLS networks by creating TE Tunnels using resource reservation protocol and load balancing the traffic	4
Implementation of PLC Control Panel For 2000 Ton Hydraulic Hot Forming Press(Barani Hydraulics India Private Limited)	4
Implementation of PLC Control Panel For Valve Hole Piercing 100 Ton Hydraulic Press (Barani Hydraulics India Private Limited)	3
Implementation of Single Phase Induction Motor For Two Stage Centrifugal Jet Pump(Bindu Engineering Industries)	4
Implementation of Control Panel Using Plc For 750 Ton Expander Hydraulic Press (Barani Hydraulics India Private Limited)	4
Development of Smart Cities To Control Illumination And Fault Monitoring System	4
Transformer Status Monitoring And Diagnosis Using IoT	4
Study of Time Management on Panel Board Manufacturing	3
Design and Assembly of 70t Oil Quenching Press Machine	4
Design and Assembly of 2000t Servo Press for Hot Forming Applications	4
Design and Assembly of 100 Ton Hydraulic Cure Press	4
Productivity Improvement in A Disc Pad Manufacturing Industry By Using Man Machine Chart	4
Managerial skill Training for management studies	47

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)

- Feedback collection regarding teaching and learning process through printed form is done during the middle of the semester.

- In student's feedback, student's opinion about course handling faculty on various aspects of teaching learning process is obtained. The percentage of feedback received is calculated for each item given in the feedback form. If the feedback value falls below 60%, corrective actions are taken like counseling the concerned faculty member and deputing the faculty to attend training programs. If feedback related togeneral nature, the same is submitted to the principal for necessary action.

- The HOD is responsible to check for the effectiveness of the action taken on student's feedback.

- Three class committee meetings are conducted for all classes at regular intervals during every semester.

- The meeting is chaired by a senior faculty member who is not handling any course for that particular class. All the faculty members who are handling courses for that particular class along with selected student representatives (combination of bright students, average students and weak students) attend the meeting.

- The consolidated feedback is submitted to HOD / Principal for taking necessary action.

- Feedback from parents is collected in every parents meeting and suggestions are taken for consideration immediately.

- Feedbacks from alumni are 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	254	201
Master of Engineering	90	41	28
Master of Business Administration	60	68	51

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	Number of teachers teaching both UG and PG courses
2018-19	201	79	90	6	09

2.3 Teaching - Learning Process

2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of teachers on roll	Number of teachers using ICT *(LMS, e-Resources)*	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
105	98	LCD Projectors, Wi-Fi Facility, NPTEL materials	16	06	NPTEL Lectures Video Presentation in recent topics, MOOC, E-journals, E-Library, Google Classroom app & Kahoot app

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

- Student mentoring scheme is available in the institution. Based on the student strength in the class around 10-13 mentees are allotted to every faculty. The following parameters are monitored by mentor.
    - ❖ Attendance
    - ❖ Academics
    - ❖ Extra and Co-curricular
    - ❖ Participation for placement
    - ❖ Discipline Issues
- An hour per week is allotted for mentoring the students. During mentoring, mentors meet the mentees to discuss academics as well as other activities. Mentees are allowed to discuss their personal problems and mentor counsel them to get rid of their problems and make the mentees to concentrate their studies. Parents are also called for counseling if necessary.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio

1304	105	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
105	105	--	15	--

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
October 2018	Dr. K.Sampathkumar	Associate Professor/ECE	Innovative Research Technologist from Innovative Scientific Research Professional Malaysia
October 2018	Dr. M Ramesh	Professor/MECH	Innovative Research Technologist (Mechanical Engineering) from Innovative Scientific Research Professional Malaysia

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/
B.E. – CIVIL, CSE, EEE, ECE, MECH	103 104 105 106 114	01 / I	10.12.2018	13.02.2019
		03,05,07 / II,III,IV	17.10.2019	18.01.2019
		02 / I	22.04.2019	24.06.2019
		04,06 / II,III	22.03.2019	24.06.2019
		08 / IV	22.03.2019	22.05.2019
M.E. – AE, CSE, SE, MBA	401 405 413 631	01 / I	15.12.2018	13.02.2019
		03 / II	17.10.2018	18.01.2019
		02 / I	22.04.2019	24.06.2019
		04 / II	22.03.2019	24.06.2019

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

- Three Periodical Tests per semester are conducted by the college through centralized examination cell.
- The question paper is prepared well in advance by the course co-coordinator and it is verified and approved by the HOD. The first and second units are planned to cover Periodical Test 1, third and fourth unit are planned to cover the Periodical Tests 2, fifth unit cover the periodical test 3. There by addressing the attainment of Course Outcomes 1 and 2 in the first Periodical Test, Course Outcomes 3 and 4 in the second Periodical Test and 5th Course Outcome in the third Periodical Test.
- The approved question papers are submitted to the examination cell through department examination cell co-coordinator.
- The examination cell takes care of hall allocation schedule and allotment of invigilation duty schedule.
- The Periodical Test answer scripts are evaluated by the concerned course handling faculty members within next three working days.
- The Periodical Test answer scripts are evaluated as per the answer key prepared by the course handler and approved by HOD.

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, internal test, model exam, inauguration of department associations activities and cells/clubs activities.
- The calendar is circulated 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

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 web link)

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-

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
10	B.E Civil	49	36	73 %

10	BE CSE	54	33	61 %
10	B.E EEE	53	34	64 %
10	B.E ECE	101	43	42 %
11	B.E MECH	128	59	46 %
40	M.E AE	3	2	66 %
40	M.E CSE	3	3	100 %
41	M.E SE	10	10	100 %
63	MBA	47	47	100 %

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
Major projects	-	-	-	-
Minor Projects	1 year	Private funding	Rs.35,000/-	Rs.35,000/-
Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects	1 year	Bharani hydraulics (Foundry sand)	Rs.20,000	Rs.20,000
	1 year 8 months	Surfine Tools Coimbatore	Rs.93,000	0
	1 year 4 months	Super Pressings Kerala	Rs.79,000	0
Projects sponsored by the University/ College	1 year	College	Rs.30,000	Rs.30,000
Students Research Projects *(other than compulsory by the College)*	1 year	TNSCST	Rs.10,000	Rs.10,000
International Projects	-	-	-	-
Any other(Specify)	1 year	Various company	Rs.1,42,000	Rs.1,42,000
Total			Rs.4,09,000	Rs.2,37,000

3.2 Innovation Ecosystem

3.2.1 Workshops/Seminars Conducted on Intellectual Property Rights **(IPR)** and Industry-Academia Innovative

Title of Workshop/Seminar	Name of the Dept.	Date(s)
Vastu	Civil Engineering	08.09.2018
Mix Design	Civil Engineering	31.12.2018
SPT Test Procedure	Civil Engineering	12.01.2019
Estimation And Quantity Surveying	Civil Engineering	19.01.2019
Ban Plastic	Civil Engineering	24.01.2019
Special Concrete And NDT	Civil Engineering	01.02.2019
Python Programming	Computer Science & Engineering	28.05.2018 - 02.06.2018
PHP	Computer Science & Engineering	05.06.2018 - 10.06.2018

Alumni Talk	Computer Science & Engineering	14.07.2018
Industry Readiness	Computer Science & Engineering	27.07.2018
HTML	Computer Science & Engineering	18.08.2018
Photoshop	Computer Science & Engineering	10.08.2018
Eclatzz'18	Computer Science & Engineering	31.08.2018
Agility and learning skills in IT industry	Computer Science & Engineering	31.08.2018
Computer Hardware and Assembling	Computer Science & Engineering	04.09.2018
Alumni Talk	Computer Science & Engineering	10.09.2018
Grid and Cloud Computing	Computer Science & Engineering	14.09.2018
Alumni Talk	Computer Science & Engineering	22.12.2018
Mini Projects & Hackathon	Computer Science & Engineering	25.12.2018
Entrepreneurship Opportunities in IT Sector	Computer Science & Engineering	12.01.2019
Orientation	Computer Science & Engineering	21.01.2019
Communication	Computer Science & Engineering	22.01.2019
Ethical Hacking	Computer Science & Engineering	28.01.2019
Strategies to Drive 100% Placement	Computer Science & Engineering	31.01.2019
Alumni Talk	Computer Science & Engineering	06.02.2019
Strategies in software engineering	Computer Science & Engineering	07.02.2019
Placement Training & opportunities	Computer Science & Engineering	09.02.2019
International conference on Advances in Science, Engineering and Management	Computer Science & Engineering	07.03.2019
Workshop on Embedded system Design	Electronics & Communication Engineering	04.07.2018 - 07.07.2018
Seminar on Basic Electronics	Electronics & Communication Engineering	18.07.2018
Seminar on Motivate the students for learning technical skills	Electronics & Communication Engineering	18.07.2018
Workshop on Labview and its Applications	Electronics & Communication Engineering	20.08.2018
Workshop on CCNA & Basic Networking	Electronics & Communication Engineering	22.08.2018 - 22.09.2018
Workshop on Raspberry Pi	Electronics & Communication Engineering	15.09.2018 - 16.09.2018
Seminar on Future Scope in Bio-medical Field	Electronics & Communication Engineering	17.09.2018
Workshop- Real time product development using Ardunio	Electronics & Communication Engineering	04.10.2018
Seminar on Embedded based industry requirements	Electronics & Communication Engineering	02.01.2019

Seminar on Entrepreneur Development Program	Electronics & Communication Engineering	23.01.2019
Guest Lecture on Automotive Electronics	Electrical & Electronics Engineering	27.07.2018
Guest Lecture on Embedded system and its Applications	Electrical & Electronics Engineering	11.08.2018
FDP in Art of Writing Research Work	Electrical & Electronics Engineering	14.08.2018
Energy Awareness - Grid Care Management	Electrical & Electronics Engineering	15.08.2018
Technical Seminar on Scope of Electrical CAD	Electrical & Electronics Engineering	21.08.2018
Technical Symposium	Electrical & Electronics Engineering	30.08.2018
Technical Seminar on Recent Trends in Smart Electronics	Electrical & Electronics Engineering	30.08.2018
Workshop on Android mobile phone troubleshooting and servicing	Electrical & Electronics Engineering	19.09.2018 & 20.09.2018
Guest Lecture on Civil Service Examinations	Electrical & Electronics Engineering	31.12.2018
Technical Seminar on Industrial Automation	Electrical & Electronics Engineering	25.09.2018
Hands on training on Industrial Requirements	Electrical & Electronics Engineering	01.02.2019
Seminar on Energy Revolution – Movement for Change	Electrical & Electronics Engineering	08.02.2019
Workshop on Recent Trends in Solar Energy Systems	Electrical & Electronics Engineering	09.02.2019
Technical Seminar on Industrial Automation	Electrical & Electronics Engineering	25.09.2018
Guest Lecture on Automotive Electronics	Electrical & Electronics Engineering	27.07.2018
Design And Development of Special Purpose Machine	Mechanical Engineering	28.07.2018
Geometric Dimension and Tolerancing	Mechanical Engineering	25.08.2018
Ansys Work Bench	Mechanical Engineering	12.09.2018
Cad Modelling	Mechanical Engineering	15.09.2018
5s Concept	Mechanical Engineering	05.01.2019
Smart, Sustainable And Safe Automobiles	Mechanical Engineering	08.01.2019
Advanced Design Softwares	Mechanical Engineering	12.01.2019
Gas Dynamics and Jet Propulsion	Mechanical Engineering	04.02.2019
Geometric Dimension and Tolerance	Mechanical Engineering	27.08.2019
Employability Skills for Engineers	Mechanical Engineering	06.09.2019
Lean Manufacturing	Mechanical Engineering	30.09.2019

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
48 hours Coding Contest	Akash Matto Vishnu Priya	KGISL	02.02.2019 – 03.02.2019	Education
Best Faculty - Civil	Mr.V.Vijayan.	JSREC	16.03.2019	Teaching
Best Faculty - CSE	Mrs.A.Gokilavani	JSREC	16.03.2019	Teaching
Best Faculty - ECE	Mr.A.Stephen Sagayaraj	JSREC	16.03.2019	Teaching
Best Faculty - EEE	Mr.S.Ayyappan	JSREC	16.03.2019	Teaching
Best Faculty – Mech	Dr.A.Peramanan	JSREC	16.03.2019	Teaching
Best Faculty – S&H	Mr.R.Kumaresan	JSREC	16.03.2019	Teaching
Best Faculty – MBA	Dr.S.Kothai.	JSREC	16.03.2019	Teaching
Road Safety Awareness	Lokesh Elanchezhiyan Praveenkumar Muthuraj	Transport Department, Tirupur	Feb 2019	Social awareness

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

Name of the Department	No. of Ph. Ds Awarded
Not	

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	MBA	1	6.58
International	CIVIL	31	0.96
	CSE	21	-
	ECE	34	-
	EEE	13	-
	MECH	2	4
	English	1	-

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	26
CSE	13
ECE	21
EEE	13
MECHANICAL	2
MBA	6
English	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
Investigation of Flexural Behaviour of Beam With Bamboo as Main Rebars	S.Karthik	International Journal of Recent Technology and Engineering	2018	-	Assistant Professor	-
Durability Studies and Structural Behavior of Corroded Deep Bean on S.C.C with Hybrid Fibers	D.Ashok Kumar	Journal of Ceramics and Concrete Technology	2018	-	Assistant Professor	-
Durability Studies and Structural Behavior of Corroded Deep Bean on S.C.C with Hybrid Fibers	D.Chandrasekar	Journal of Ceramics And Concrete Technology	2018	-	Assistant Professor	-
Experimental Investigation of Spilt Tensive Behavior of Basalt Grid Wrapping Concrete	K.Sathiskumar	Journal of Ceramics and Concrete Technology	2018	-	Assistant Professor	-
Experimental Investigation of Spilt Tensive Behavior of Basalt Grid Wrapping Concrete	T.Sathanandham	Journal of Ceramics and Concrete Technology	2018	-	Assistant Professor	-
Experimental Investigation of Spilt Tensile Behavior of Basalt Grid Wrapping Concrete	V.Vijayan	Journal of Ceramics and Concrete Technology	2018	-	Assistant Professor	-

Experimental Investigation on Recycled Coarse Aggregate in Concrete	S.Karthik	Journal of Advanced Cement & Concrete Technology	2019	-	Assistant Professor	-
Experimental Investigation on Recycled Coarse Aggregate in Concrete	D.Chandrasekar	Journal of Advanced Cement & Concrete Technology	2019	-	Assistant Professor	-
Experimental Investigation on Recycled Coarse Aggregate in Concrete	D.Ashok Kumar	Journal of Advanced Cement & Concrete Technology	2019	-	Assistant Professor	-
A Structural Behavior of Concrete by Using Recycled Aggregate	R.Aarthy	Journal of Structural Engineering, Its Application & Analysis	2019	-	Assistant Professor	-
A Structural Behavior of Concrete by Using Recycled Aggregate	M.Sasi Regha	Journal of Structural Engineering, Its Application & Analysis	2019	-	Assistant Professor	-
A Structural Behavior of Concrete by Using Recycled Aggregate	M.Dharshna Devi	Journal of Structural Engineering	2019	-	Assistant Professor	-
A Behavior of Spilt Tensive Behavior of Basalt Grid Wrapping Concrete	K.Sathiskumar	Journal of Structural Engineering	2019	-	Assistant Professor	-
A Behavior of Spilt Tensive Behavior of Basalt Grid Wrapping Concrete	T.Sathanandham	Journal of Structural Engineering	2019	-	Assistant Professor	-
A Behavior of Spilt Tensive Behavior of Basalt Grid Wrapping Concrete	V.Vijayan	Journal of Engineering Analysis & C Design	2019	-	Assistant Professor	-
A Behavior of Structural Concrete by Using Externally Wrapped Basalt Geogrid	T.Sathanandham	Journal of Engineering Analysis & C Design	2018	-	Assistant Professor	-
Comparative Study of Flexural Members with Steel Reinforcement and Partial Bamboo	S.Karthik	Journal of Advanced Research in Dynamical and Control Systems	2018	-	Assistant Professor	-
Investigation of Flexural Behaviour of Beam with Bamboo as Main Rebars	S.Karthik	International Journal of Recent Technology and Engineering	2018	-	Assistant Professor	-

Impact Resistance of High Strength Chopped Basalt Fibre Reinorced C	K.Sathiskumar	Journal of Ceramics and Concrete Technology	2018	-	Assistant Profess	-
Adsorption Studies on Treatment of Textile Wastewater	T.Sathanandham	Journal of Ceramics and Concrete Technology	2019	-	Assistant Profess	-
Adsorption Studies on Treatment of Textile Wastewater	D.Chandrasekar	Journal of Ceramics and Concrete Technology	2019	-	Assistant Profess	-
Adsorption Studies on Treatment of Textile Wastewater	K.Sathish Kumar	Journal of Ceramics and Concrete Technology	2019	-	Assistant Profess	-
Smart Bin by Using IoT	Dr.K.Sampath kumar	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	-	Assistant Professor	-
Monitoring and Controlling of Dc Motor Using IoT	Ms..N.Lakshmipriya	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	-	Assistant Professor	-
Implementation of PLC Control Panel for Valve Hole Piercing 100 Ton Hydraulic Press	Ms..N.Lakshmipriya	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	-	Assistant Professor	-
Fruit Quality Analysis by Image Processing	Mr.S.Ayyappan	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	-	Assistant Professor	-
GSM Based Environmental Condition Monitoring System in Home Applications	Mr.S.Ayyappan	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	-	Assistant Professor	-
Design and Implementation of Two Stage Centrifugal Pump	Mr.E.Babu	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	-	Assistant Professor	-
Implementation of Control Panel Using PLC for 750 Ton Expander Hydraulic Press	Ms.K.Dhivya	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	-	Assistant Professor	-

Title	Author	Journal	Year		Designation	
Mulitipurpose Safety Device for Women and Child Using IoT	Mr.S.Ragupathi	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	-	Assistant Professor	-
Development of Smart Cities to Control Illumination and Fault Monitoring System	Mr.V.Saravana Moorthy	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	-	Assistant Professor	-
Simulation of Digital Current Sensor less Control for Dual-Boost Half-Bridge PFC Converter	Mr.S.Ragupathi	International Journal of Science and Research	2019	-	Assistant Professor	-
A Survival Study on Classification and Target Detection for Data Hiding in Hyper Spectral	Ms.G.Kalaiarasi Ms.A.S.Narmadha Ms.J.Nandhini	Journal Of Emerging Technologies And Innovative Research, Vol. 5, No. 10, 2018	2018	-	Assistant Professor	-
Hand Gesture Recognition for Home Automation	Ms.J.Nandhini Ms.G.Kalaiarasi Ms.A.S.Narmadha	International Journal of Research in Engineering, Science and Management, Vol. 2, No. 2, 2019	2019	-	Assistant Professor	-
EEG-Based Brain Controlled Home Automation System	Ms. S.Menaga	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 8, No. 2, 2019	2019	-	Assistant Professor	-
Design of Automatic 70T Oil Quenching Hydraulic Machine	Ms.S.Menaga	International Journal of Innovative Research in science Engineering and Technology, Vol. 8, No. 3, 2019	2019	-	Assistant Professor	-
Implementation of Traffic Engineering in MPLS Networks by creating TE Tunnels using Resource Reservation Protocol and	Ms.A.S.Narmadha	International Journal of Innovative Research in science Engineering and Technology, Vol. 8, No. 2, 2019	2019	-	Assistant Professor	-
Design and Analysis of 70Ton Automatic Hydraulic Riveting Press Machine	Ms.A.S.Narmadha	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 8, No. 2, 2019	2019	-	Assistant Professor	-

Smart Home Automation using IoT	Mr.K.Dinakaran	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 8, No. 3, 2019	2019	-	Assistant Professor	-
Smart Electronic voting Machine using Raspberry Pi	Mr.K.Dinakaran	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 8, No. 3, 2019	2019	-	Assistant Professor	-
A Wireless surveillance for theft detection in home using 3G and GSM Technology	Mr.S.Haribabu Ms.T.Mani Mr.A.Anandkumar	International Journal of modern Trends in Engineering and Science, Vol. 6, No. 12, 2019	2019	-	Assistant Professor	-
Detection and Classification of oral Cancer using Neural Networks	Mr.A.Anandkumar	International Journal of Advanced Research in Electrical,Electronics and Instrumentation Engineering, Vol. 8, No. 2, 2019	2019	-	Assistant Professor	-
MATLAB to measure the Diameter of an object within an Image	Mr.A.Anandkumar	International Journal of Innovative Research in Computer and Communication Engineering, Vol. 7, No. 2,2019	2019	-	Assistant Professor	-
Smart Grid Meter using Zigbee WSN	Ms.S.Menaga	HBRP Publicaion,Vol-1,Issue-2, 2018	2018	-	Assistant Profess	-
Security Issues in Mobile Adhoc Network	Mr.S.Haribabu	International Journal of Innovative Research in computer and Communication Engineering, Vol. 7, No. 2, 2019	2019	-	Assistant Professor	-
Segmentation of Disease in Betel leaf using Image Processing	Mr.A.Stephen Sagayaraj	International Journal of Innovative Research in computer and Communication Engineering, Vol. 7, No. 2, 2019	2019	-	Assistant Professor	-

Yield Disease Identification using Pattern Recognition and Image Processing –A Survey	Mr.S.Haribabu	International Journal of Innovative Research in computer and Communication Engineering, Vol. 7, No. 2, 2019	2019	-	Assistant Professor	-
Identification and Classification of Plant Leaf Diseases	Mr.S.Haribabu	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 8, No. 3, 2019	2019	-	Assistant Professor	-
Survival Study on Attack Detection and Isolation Techniques for Multipath and multicast Routing in MANET	Ms.A.S.Narmadha Ms.J.Nandhini Ms..G.Kalaiarasi	International Journal on Application in Electrical and Electronics Engineering, Vol. 4, No. 3, 2019	2019	-	Assistant Professor	-
Advanced fuel flow Measurement using INTEL 8051 in Airplane Motor	Mr.T.Mani	International Journal of Innovative Research in computer and Communication Engineering, Vol. 7, No. 2, 2019	2019	-	Assistant Professor	-
Recognition of leaf using Neural Network	Ms.G.Kalaiarasi	International Journal of Innovative Research in computer and Communication Engineering, Vol. 7, No. 2,2019	2019	-	Assistant Professor	-
Filter Press Automation for Dewatering	Ms.G.Kalaiarasi	International Journal of Innovative Research in science Engineering and Technology, Vol. 8, No. 3, 2019	2019	-	Assistant Professor	-
Intelligence IoT based Fishermen border Inspection System	Ms.D.Mohanapriya	SSRG-International Journal of Electronics and Communication Engineering, Special Issue-2019	2019	-	Assistant Professor	-
Air Quality Monitoring system using vehicles based on the IoT	Ms.S.Menaga Ms.J.Paruvatha Vardhini	International Research Journal of Engineering and Technology, Vol. 6, No. 3, 2019	2019	-	Assistant Professor	-

Title	Authors	Journal	Year		Designation	
Safer Vehicle Transport in Traffic through vehicle to vehicle Communication	Ms.J.Paruvatha Vardhini	International Journal of Innovative Research in science Engineering and Technology, Vol. 8, No. 3, 2019	2019	-	Assistant Professor	-
IoT based Vehicular Pollution Monitoring System	Mr.T.Mani	International Journal of Innovative Research in computer and Communication Engineering, Vol. 7, No. 2, 2019	2019	-	Assistant Professor	-
Vision based Features in Moisture Content Measurement-A Survey	Mr.A.Stephen Sagayaraj	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 8, No. 3, 2019	2019	-	Assistant Professor	-
Design and Implementation of Smart basket cart using Near field Communication	Ms.D.Mohanapriya	Indian Journal of Emerging Electronics in Computer Communications, Vol. 5, No. 1, 2018	2018	-	Assistant Professor	-
A Novel Approach on Tongue Images for early diagnosis of breast cancer and lung tumor	Ms.B.Saritha	International Journal of Scientific Engineering and Research,Vol.7,No.1, 2019	2019	-	Assistant Professor	-
Smart Drinking water Management Based on IoT	Ms.B.Saritha	International Journal of Innovative Research in computer and Communication Engineering, Vol. 7, No. 2, 2019	2019	-	Assistant Professor	-
Analysis of sulphur content in copra	A.StephenSagayaraj Mr.N.Dhanaraj Ms.G.Ramya	ICTACT Journal On Image And Video Processing, Vol. 9, No. 2, 2018	2018	-	Assistant Professor	-
Heat transfer enhancement in parallel flow and counter flow heat exchanger using	B.Saravanan L.Nirmalraj P.Rajkumar S.Saravanan	International Research journal of engineering and technology	2018	-	Assistant Professor	-
Comparative analysis of coated and non coated HSS tool with ZINC, NICEL, CHROMIUM	B.Saravanan L.Nirmalraj P.Rajkumar K.Saravanakumar	International Journal of engineering and Management research	2018	-	Assistant Professor	-

Title	Author	Journal	Year		Designation	
Design and analysis of helical compression spring for shock absorber	Dr.P.Peramanan	International Journal of Scientific research and Development	2018	-	Assistant Profess or	-
An experimental investigation of structural and electrochemical performance of AL5-MO thin film alloy for LI-ION micro batteries	Dr.P.Peramanan P.Rajkumar S.Saravanan R.Mahindran	International Journal of science and engineering development research	2018	-	Assistant Profess or	-
Entrepreneurship In India: Challenges And Prospects	K.Thezasvini Jyothi	National Conference On Entrepreneurship And Women Empowerment	2018	-	Assistant Profess or	-
A Study on The Impact of Liquidity Ratios on Profitability of Oil And Natural Gas Corporation Limited, India	Dr.P.Megaladevi	Asia Pacific Journal Of Research	2019	-	Assistant Profess or	-
A Study on the Work Life Balance of Women Entrepreneurs	Dr.P.Megaladevi	National Conference On Entrepreneurship And Women Empowerment	2018	-	Assistant Profess or	-
A Study on Women Entrepreneurs And Their Challenges	A.Karthikeyan	National Conference On Entrepreneurship And Women Empowerment	2018	-	Assistant Profess or	-
A Study on Women Entrepreneruship Development In India	M.Gnanasekar	National Conference On Entrepreneurship And Women Empowerment	2018	-	Assistant Profess or	-
A Study on Essential of Women Entrepreneur For Empowerment of Rural Area-The Role of Pacs	Dr.S.Kothai	National Conference On Entrepreneurship And Women Empowerment	2018	-	Assistant Profess or	-

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 publica tion	h-index	Number of citations excluding self citations	Institutio nal affiliatio n as mention ed in the
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	1	19	-

| Strength and Analysis of Basalt Fibre in concrete | K.Satheskumar | International Journal of Chemtech Research | 2018 | 1 | 5 | - |

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	20	20	5	-
Presented papers	85	23	-	-
Resource Persons	-	2	-	-

3.4 Extension Activities

3.4.1 Number of extension and outreach programmes conducted in collaboration with industry, community and

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated such activities	Number of students participated in such activities
Ban plastics	Thuilgal & Dream 20	01	300
Voter Id verification	Taluk office(South), Tirupur	02	28
Sabarimala First Aid	Akhila Bharatha Ayyappa Seva Sangham	01	31
Document Entry	Collector Office – Tirupur	01	23
Blood Camp	Tirupur GH	2	150
Eye Camp	Lotus eye care	21	350

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
CONCAST 360 (Concrete Cube test Contest)	Special Appreciation Prize	ACCI	6

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
Unnath Bharath Abhiyan	MHRD	Village Survey	03	48
Swachh Bharath	AICTE	Swachh Bharath Student Internship	2	20
Swachh Bharath	AICTE	Clean India Mission Awareness	03	21

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
Nil	Nil	Nil	Nil

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
Industry	Inplant Training	Annai Poongodi Construction	08.12.2018 - 17.12.2018	3
Industry	Inplant Training	Falcon Associates	08.12.2018 - 15.12.2018	1
Industry	Inplant Training	Hi-Tech Builders	10.12.2018 - 14.12.2018	1
Industry	Inplant Training	M.A.M Engineer & Valuer	10.12.2018 - 17.12.2018	2
Industry	Inplant Training	N.Sivakumar(Engineers&Contractors)	10.12.2018 - 14.12.2018	4
Industry	Inplant Training	Rvv Construction Private Limited	30.11.2018 - 10.12.2018	15
Industry	Inplant Training	Sdr Associates	09.12.2018 - 18.12.2018	1
Industry	Inplant Training	Sri Kalaimahal Builders	12.12.2018 - 17.12.2018	2
Industry	Inplant Training	Ascent Techno Soft	04.12.2018 - 08.12.2018	11
Industry	Inplant Training	Cloud Valley	28.11.2018 - 30.11.2018	8
Industry	Inplant Training	Code Bind	28.05.2018 - 01.06.2018	2
Industry	Inplant Training	Embuzz Technology, Tirupur.	11.12.2018 - 13.12.2018	4
Industry	Inplant Training	Embuzz Technology, Tirupur.	13.06.2018	1
Industry	Inplant Training	Embuzz Technology, Tirupur.	20.06.2018	6
Industry	Inplant Training	Embuzz Technology, Tirupur.	27.11.2018 - 29.11.2018	20
Industry	Inplant Training	Embuzz Technology, Tirupur.	04.12.2018- 06.12.2018	1
Industry	Inplant Training	Embuzz Technology, Tirupur.	07.06.2018 - 08.06.2018	25

Industry	In-plant Training	Iscolor	13.06.2018 - 15.06.2018	2
Industry	In-plant Training	MSN	20.06.2018 - 23.06.2018	1
Industry	In-plant Training	MSN	04.12.2018 - 06.12.2018	5
Industry	In-plant Training	Nandha	14.06.2018 - 15.06.018	2
Industry	In-plant Training	XIC	11.12.2018 - 13.12.2018	7
Industrial	Inplant Training	Mas Solar Systems Pvt Ltd, Coimbatore	07/12/2018 - 12/12/2018	8
Industrial	Internship	Amperevehicles Pvt Ltd,Coimbatore	01.06.2018 - 30.6.2018	1
Industrial	Internship	Mas Solar Systems Pvt Ltd, Coimbatore	10.12.2018 - 12.12.2018	4
Industrial	Inplant Training	Uniq Technologies, Coimbatore	03.12.2018 - 06.12.2018	5
Industrial	Inplant Training	Barani Hydraulics India Private Limited, Coimbatore	03.12.2018 - 08.12.2018	5
Industrial	Inplant Training	Barani Hydraulics India Private Limited, Coimbatore	03.12.2018 - 08.12.2018	6
Industrial	Inplant Training	Wheels India Ltd, Chennai.	3.12.2018- 8.12.2018	3
Industrial	Inplant Training	Brakes India Ltd, Chennai.	3.12.2018- 8.12.2018	3
Industrial	Industrial Project	Barani Hydraulics India Private Limited, Coimbatore	28.12.2018 - 16.03.2019	5
Industrial	Industrial Project	Barani Hydraulics India Private Limited, Coimbatore	07.01.2019 - 16.03.2019	3
Industrial	Industrial Project	Barani Hydraulics India Private Limited, Coimbatore	07/01/2019 - 16/03/2019	4
Industrial	Industrial Project & Internship	Bindu Engineering Industries, Coimbatore	07/01/2019 - 08/03/2019	4
Industrial	Internship	Tecchno Qualicon Solution Pvt Ltd	03.01.2019- 18.02.2019	1
Industrial	Internship	Pioneer Design Engineering Pvt Ltd	3.12.2018- 8.12.2018	5
Industrial	Internship	Pricol Pvt Ltd, Coimbatore	33.12.2018- 8.12.2018	6
Industrial	Internship	Aquasub Engineering, Coimbatore	3.12.2018- 8.12.2018	5
Industrial	Internship	Deccan Pumps, Coimbatore	3.12.2018- 8.12.2018	6
Industrial	Internship	Lakshmi Electrical Drives Ltd, Coimbatore	3.12.2018- 8.12.2018	5

Industrial	Inplant Training	Adroit Power Systems India Pvt. Ltd, Coimbatore	1 month	8
Industrial	Inplant Training	BSNL , Chennai	15 days	4
Industrial	Inplant Training	UNIQ Technologies, Coimbatore	1 Month	4
Industrial	Inplant Training	Jagadeeswari Motors,Tiruppur.	2.12.2018 - 8.12.2018	12
Industrial	Inplant Training	Best Engineering Pumps,Coimbatore	02/12/2018 - 8/12/2018	5
			06/12/2018- 08/12/2018	2
Industrial	Inplant Training	Tnstc	6/12/2018 - 11/12/2018	1
Industrial	Inplant Training	Surfine Tools,Coimbatore	10/12/2018 - 5/12/2018	4
Industrial	Inplant Training	Aqua Sub,Coimbatore	10/12/2018 - 5/12/2018	4
Industrial	Inplant Training	Madras Radiators And Pressing Limited	06.12.2018 - 0.12.2018	5
Industrial	Inplant Training	E-Soft It Solutions	03.12.2018- 07.12.2018	4
Industrial	Inplant Training	S&T	01.12.2018 - 05.12.2018	4
Industrial	Inplant Training	Unique Technology	01.12.2018- 05.12.2018	4
Industrial	Inplant Training	Klassic Engineering	05.12.2018 - 07.12.2018	4
Industrial	Inplant Training	Myco Industry	03.12.2018 - 7.12.2018	6
Industrial	Inplant Training	Gee Keyy Engineering	05.12.2018 - 2.12.2018	4
Industrial	Inplant Training	Axles India Limited	27.05.2019 - 08.06.2019	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
MARS ACADEMY	10.10.2018	Software Training (Students And Staff)	113
PR Automation India Private Limited,	2018-2019	Industrial exposure on latest technologies and trends	26/4
CADD Centre	24.08.2019	Design	250 /12

New Technology, Coimbatore	01.11.2018	Training and Research	140
Prime Biomedical Systems, Tirupur	07.12.2018	Training and Research	140
Mass Solar Systems Private Limited, Coimbatore	08.02.2019	Training and Research	140

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.35,00,000/-	Rs.16,94,025/-

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	13	10
Classrooms with Wi-Fi/ LAN	21	-
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.4,88,193/-	-
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
Campegi lib	**Fully**	**5.8.7**	**2009**

4.2.1 Library Services:

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

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	26333	8221795	1415	467622		
Reference Books	2176	709959	--	--	2176	709959
e-Books	488	--	50	--	538	---
Journals	793	1762531	--	--	793	1762531
e-Journals	6626	86922	950	13570	7576	100492
Digital Database	275	(NPTEL Videos 6.2 TB)	---	---	275	(NPTEL Videos 6.2 TB)
CD & Video	1329	---	---	---	1329	---
Library automation	Fully Automated		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 band width (MGBPS)	Others
Existing	555	9	yes	1	1	15	76	64	---
Added	---	---	---	---	---	---	---	---	---
Total	555	9	yes	1	1	15	76	64	---

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

64 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

Name of the teacher	Name of the module	Platform on	Date of

		which module is developed	launching e - content

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
Rs.2,00,00,000/-	Rs.1,55,34,366/-	Rs.50,00,000/-	Rs.37,71,845/-

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

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 college hours till 8 Pm. During holidays, students are permitted to utilize laboratory with prior request from their department with faculty support.

Maintenance:
The maintenance and the cleaning of the classrooms and the laboratories are done with the efforts of the non-teaching staff and in major cases the college goes for the maintenance contract to local experts.Service will be taken care by individual lab in charge and technician allocated by the individual department. Periodical maintenance is carried out by each department. If any equipment/component is break down, the supplier is 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:
Specific class room are allocated for students and class room details are mentioned in time table for easy identification. Sufficient class rooms are available and relocation are needed.

Computer:
Every department have computer lab apart from central computer facilities. Students can use the central computer Lab and also department lab after 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	Institutional scholarship	1326	Rs.82,30,835/-
Financial support from other sources			
a) National	Government Scholarship	730	Rs.1,42,54,110/-
	Pragathi Scholarship	02	Rs.1,00,000/-
	Minority Scholarship	02	Rs.50,000/-
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 Counseling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Eye camp	6.03.2019	496	Eye Foundation Tirupur
Personal Counseling	25.02.2019	160	Sukira Health Counseling Trust
Blood donation camp	8.2.2019	90	Government GH Tirupur
Yoga	12.01.2019	90	Manavalakkalai, Tirupur
Mentoring	19.12.2018	242	All Staffs Involved
Remedial Coaching	10.01.2019	Low Scoring Students	Subject Wise
Bridge Course	4.09.2018 5.09.2018	186	Amirtha University
Language Lab	6.09.2018	186	Time Institute
Soft skill development	7.09.2018	186	Roys English Club
Mentoring	Sep 2018 to June2019	186	S&H Department
Yoga	Jan 2019 to Apr 2019	186	Art Of Living
Yoga	26.02.2019	38	Manavalakalai Mandram

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

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counseling activities	Number of students who have passed in the competitive exam	Number of students placed

2018-2019	Career Guidance	85	280	NIL	257

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
20	350	244	3	150	13

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
2019	3	B.E	CIVIL	Jai Shriram Engineering College	M.E Structural Engineering
	3	B.E	ECE	Universita Degli Studi Di,Cassino Edel Lazio Meridionale	M.S. Telecommunications Engineering
				Kumaraguru College of Technology	M.E Embedded System
				PSG College of Techology	M.E Wireless Communication

5.2.3Students 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
NET	-	
SET	-	
SLET	-	
GATE	-	
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

Activit	Level	Participa
Essay writing, Poem Writing,	District level	150
Speech competition	District level	11
Video presentation	Institutional level	85
Speech and Poetry	Institutional level	30
Essay writing, Poetry, Speech	District level	3
Drawing	Institutional level	10
Essay writing, Poem Writing,	District level	129
Pongal Celebration	Institutional level	355
Short film Competition	State level	2 Batch
Poetry	Institutional level	20
Speech	Institutional level	40
Video presentation	Institutional level	25 team(85 students)
Essay Writing	Institutional level	65
Group Dance	Institutional level	23(150 students)
Solo dance	Institutional level	20
mimicry	Institutional level	5
Mime	Institutional level	10
Drawing	Institutional level	20
Singing	Institutional level	10
Speech	District level	25
Drawing	District level	45
Essay Writing	District level	60
Poem writing	District level	15
Short film	District level	2batch(20 members)
Slogan writing	District level	3
Sports Day	Intra College	34

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	Cultur al	Student ID number	Name of the student

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

The following council & bodies/committees is functioning in our institution for the improvement
- Students involve in all academic and administrative bodies of the institution.Students act as representative in all cells.
- Students are members in Internal Quality Assurance Cell. Before the conduction of meeting, agenda is circulated among the student members. Meetings are conducted periodically 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. Each student should have atleast one membership in any one of the cell.

- Anti-Ragging Committee and Anti Ragging Squad is formed to safeguard the students against Ragging.
    This committee is headed by Principal and Leaded 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.

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: 3288

5.3.3 Alumni contribution during the year (in Rupees) **:   --**

5.3.4 Meetings/activities organized by Alumni Association:

Jayshriram Alumni cell interacts with alumni by conducting alumni meet every year and alumni are invited for various activities through department.

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)

- Individual responsibility is taken by HoD to enhance the teaching learning process for improving student
  Quality. Value added course is arranged to improve technical domain. Industrial training is planned for faculty and students to upgrade their skills in advanced technology. Subjects are allocated based on the willingness given by Faculty.
- 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 feedback system and necessary action is taken for

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)**:**

❖ Curriculum Development
1. The Curriculum was framed by the Anna University. At the delivery point, our institution has implemented the practice of coverage of the syllabus within the stipulated time. Advanced teaching aids are used and proper evaluation is done .Log book is maintained properly.
2. Value adding courses are conducted on regular basis to rectify the gap between curriculum and industry needs.

❖ Teaching and
   Learning
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
17.Flipped class

❖ Examination and Evaluation
1. Centralized Examination conducted by Internal Examination Cell
2. Question papers are prepared per subject based on previous university question papers.
3. Answer key is discussed with the students while distributing evaluated paper.
4. Retest is conducted regularly for slow learners and the student failed in internal examinations.

❖ Research and Development
1. Faculty are motivated to send their research for various funding agencies,.
2. Faculty are encouraged to register for Doctoral Degree in their relevant domain
3. Faculty and students are motivated to fulfill the industrial requirements by doing projects.
4. Consultancy activities are carried out for the nearby industry requirements
5. Faculty members are motivated to send research proposals to various funding agencies for financial support
6. Orientation programs are organized on writing research funding proposals
7. On – Duty is provided for faculty and Registration fee is refunded for participating in conferences, FDP,

   7. Encouraging faculty to organize, attend and present papers at state/national/international conferences and

❖ Library, ICT and Physical Infrastructure / Instrumentation	

1. Communication laboratory is available to improve communication skills of students.
2. LCD projectors are available to enable power point presentation of the learning materials prepared by the faculty.
3. Placement cell conducts aptitude, group discussion and mock interview classes to improve the students skill.
4. NPTEL are used for self learning in addition to class room teaching.
5. Digital Library provides online access to e-journals and e-resources.
6. 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.
7. 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.
8. NPTEL videos are available for students and faculties for all the courses.

❖ Human Resource Management

1. A systematic HR policy is adopted and used by the institution.
2. Leaves, On-Duty for higher education, attending programs, seminars, FDPs, Conferences are provided as per the prevailing norms.
3. Special privileges such as marriage leave, maternity leave, sabbatical leave are provided.
4. The staff concerns are addressed then and there.
5. Recruitment of faculty is done as per norms.

❖ Industry Interaction / Collaboration

1. The institution is having MoUs with leading industries.
2. It is planned to include one industry / professional body every year per department
3. Industry experts are invited to interact with staff and students.
4. Doing industry projects for practical exposure.
5. Planning minimum one industrial visit per class per year
6. Arranging more internships in industries
7. Motivating students to do inplant training.

❖ 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 attended for which financial support provided	Name of the professional body for which membership fee is	Amount of support
2019	MS.R.Aarthy	Structural Health Monitoring of the Civil Engineering Structures	VIT Institute	1000

2019	MS.M.Dharshna Devi	Structural Health Monitoring of the Civil Engineering Structures	VIT Institute	1000
2019	Ms.M.Sasi Regha	Structural Health Monitoring of the Civil Engineering Structures	VIT Institute	1000
2018	Ms.M.Meenalochini AP/CSE Ms.K.Saranya AP/CSE	Interntional Conference on Communication and Electronics Systems	PPG	2800
2019	Mr.A.Stephen Sagayaraj	International conference on Recent Advancements in Engineering and Technology(ICRAET-19)	JSREC	2500
2019	Ms.G.Ramya	IEEE Conference on Intelligent Computing and Communication for Smart World	JSREC	3000
2018	D.Ranjith kumar R.Thirugnanasampanthan	Skill Upgradation Programme for Technicians	JSREC	1500

6.3.2 Number of professional development / administrative training programmes organized by the College for

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for	Dates (from-to)	No. of participants (Teaching
2018	Motivational programme for faculty and teachers	-	18/08/2018	100
2018	Motivational program on Industry Expectations	-	08/09/2018	300
2018	A Program on Intricacies of writing Research proposals	-	29/11/2018	100
2018	Importance of BEC for employability in Current Scenario.	-	18/12/2018	350
2018	Teaching and Research Practices followed in LIBA	-	27/12/2018	100

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)
Academic Leadership Development Programme	1	26.09.2018-28.09.2018
Faculty Development Program on "Introduction to R Programming" ICT Academy	2	27.11.2018-28.11.2018
Advanced Data Analytics	1	03.12.2018-08.12.2018
Computer Architecture	2	01.12.2018-14.12.2018
Faculty Development Program on "Introduction to Big Data Analytics" ICT Academy	3	15.05.2019-16.05.2019

IoT in Rashberry Pi 3 and texas instruments	2	23.03.2019
Cell phone radiation hazards to human health –myth or reality	2	31.08.2018
Introduction to R programming	1	30.08.2018 to 31.08.2018
Building and developing mobile Application using Madp	2	06.102018
Design of bio medical sensors for detection of cancer bio markers	2	03.11.2018
SPECTRUM 2019 Multi Disciplinary Intelligent Supply Chain Strategy for Business Growth	4	22.02.19 & 23.02.19 2 Days
FDP-Vehicle Dynamics	1	04.03.19 - 09.03.19 6 Days
FDP – Engineering Thermodynamics	1	20.05.19 - 25.05.19
FDP- Robotics	1	20.05.19 - 25.05.19
CFD in Heat Transfer	1	27.05.2019 - 28.05.2019
Workshop S&H	2	13.06.19-14.06.19
Workshop S&H	2	28.06.19-29.06.19
Research opportunities and Challenges in Power Converters for Electric Vehicle Applications	1	18.08.2018
Energy audit equipments its applications	1	22.02.2019
Emerging Trends in Wearable Sensors for Health Care Applications	2	27.05.2019 - 31.05.2019

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

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temp
15	Fulltime	1	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
(with in 100 words each) **Yes**

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
--	**--**	**--**

6.4.2 Total corpus fund generated

6.5 Internal Quality Assurance System

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

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)

- Letters sent to Parents (attendance and continuous internal assessment exams) about their wards.
- 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.
- Parents participation in Annual Day Function.

6.5.3 Development programmes for support staff (at least three)

Industrial training for faculty members
Orientation Program
Provision for part time job

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
2018	Faculty Development program on Arts of Writing Research Articles	14.09.2018	1 Day	97
2019	Faculty Orientation Programme	17.06.2019-18.06.2019	2 Day	105

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

Title of the programme	Period **(from-to)**	Par	
		Female	Male
Breast Cancer & Risks	16.08.2019	452	-
Women's Day celebration	08.03.2019	447	-

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	1
Provision for lift	Yes	2
Ramp/ Rails	Yes	1
Braille Software/facilities	No	-
Scribes for examination	Yes	1

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 studen
--	--	--	--	--	--	--

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100
NIL		

-

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-------to-------)	Number of
	-	

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

Energy Conservation
- The UPS batteries are maintained in good condition which reduces electric energy for charging of batteries.
- Energy conserving lights such as Compact Fluorescent Lamp (CFL) and LEDs are used in the Institution's campus and hostels.
- The solar water heaters are used in hostels.

Plant Saplings
- Saplings plantation as well as Environmental Awareness programs are conducted by NSS and ECO Club.
- Campus enriched with various types of plants.

Quality of drinking water
- In 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
- In the campus, various types of solid wastes are generated. These wastes are collected together and separated properly to an external recycling agency.

Waste water management
- Waste water produced from college and hostel are drained properly.

E- Waste management

The different types of e-waste generated in the Institution 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,

BEST PRACTICES 1

1. Title: Faculty and Students Industrial training

2. Objective:

1. Faculty and students are motivated to enhance their knowledge in industry technologies.
2. To fulfill the requirement of industries, students should aware about the industries.
3. Students have undergone inplant training.
4. Faculty involves in developing research activities among the students in various domain and latest technology to write journal papers and present their papers in various national and international conferences.

3. Context:

Students feel difficult to apply theoretical concepts in industries when they go for work. It is mandatory for every student to undergo in plant training and also for faculty members to improve their teaching, industrial training is mandatory.

4. Practice:

The Faculty and Students Industrial training method is having
following activities which have been practiced.

1. All faculties should visit industries twice in a year.
2. All faculties develop the industrial interaction.
3. Students should undergo in plant training during semester holidays.
4. Students have to prepare report and present PPT for what they have learned during in plant training.
5. Students do their final year projects in industries.

5. Evidence of Success:

More number of students has undergone in plant training

6. Problems Encountered and Resources Required:
   Problems Encountered:

1. It is felt difficult to make the students to go for inplant training.
2. Most of the core industries allow the students for payments.

   Resources Required:

1. Additional efforts and commitments required from the faculty members.
2. MOU signed industries.

BEST PRACTICES 2

1. **Title of the Practice:** Mentoring system

2. **Goal:**

Creating bond between faculty 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:**

An hour is allotted in all weeks for mentoring. The following activities had been carried out

1. Program on mentoring and peer group management.
2. Counseling the students to get rid of their personal problems.
3. Analysing the student capabilities.

5. **Evidence of success:**

1. Mentoring and counseling of students improved.
2. Improvement in results
3. Faculty involvement in student development.

6. **Problem Encountered and resources required:**

Problems Encountered:

1. It is felt difficult to make the students and faculties to understand the importance of mentoring system.
2. Initial snag in implementing mentoring system.

Resources Required:

Extra time to be spent by the faculty members 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
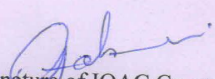Provide the web link of the institution in not more than 500 words

    The institution strengthened the industrial training for faculty and students to realize the vision of our institution. By implementing this, different areas like research and development, Industry Institute relationship, Internship, Project in Industries, receiving fund from funding agencies have been concentrated. Faculties from all departments has visited industries for industrial exposure and improved their way of teaching methodologies and consultancy activities. Faculties utilized the industrial training for their research activities. Students have undergone in-plant training twice a year and they have got practical knowledge. Students had gone for internship for practical knowledge.
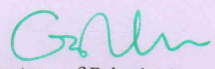
8. Future Plans of action for next academic year (500 words)

- The CSE and ECE departments are preparing for the NBA accreditation to the UG program.
- The Institution has planned to apply for B.Tech Fashion Technology for the academic year 2020-21.
- The Institution NAAC accreditation certificate will expire on June - 2021.So the Reaccreditation of NAAC has to be performed continuously.
- Continuous progress towards achieving Department Development Targets, which identified in the Department Development Plan (DDP).
- Alumni will be invited regularly for the alumni interaction with students and placement activities.
- Intensifying the Mentor –Mentee activities for the overall grooming of the Students.
- Indoor Games and Gym facilities have to be established in this academic year
- Two research Laboratories will be established for circuit and Non circuit branches.

Name:Mrs.A.Gokilavani

Name:Dr.C.Rameshkumar

Signature of IQAC Co-ordinator

Signature of Principal