Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**SENGUNTHAR ENGINEERING COLLEGE**
Name of the head of the Institution	**Dr.C.VENKATESH**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04288255716**
Mobile no.	**9842755552**
Registered Email	**info@scteng.co.in**
Alternate Email	**principal@scteng.co.in**
Address	**Kosavampalayam, Kumaramangalam Post,**
City/Town	**Tiruchengode**
State/UT	**Tamil Nadu**
Pincode	**637205**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr.M.S.R.MARIYAPPAN**
Phone no/Alternate Phone no.	**04288255716**
Mobile no.	**9366652429**
Registered Email	**iqac@scteng.co.in**
Alternate Email	**msrmariyappan@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://old.scteng.co.in/iqac/aqar2017-2018.PDF

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://scteng.co.in/CoE/AcademicSchedule

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.06**	**2015**	**15-Nov-2015**	**14-Nov-2020**

6. Date of Establishment of IQAC	**31-Dec-2014**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Book Review & Discussion	**19-Jul-2018** **1**	**36**

Faculty Corporate Training	29-Oct-2018 1	2
Industrial Institute Partnership	09-Jul-2018 12	8
Employability Enhance Programme	11-Feb-2019 15	10
Studentpreneur Activities	04-Jul-2018 18	80
Placement Training Activities	11-Sep-2018 12	180
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8. Provide the list of Special Status conferred 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	IMPRESS	ICSSR	2019 1	200000
Mechanical	Students Project	TNSCST	2019 90	7500
EEE	Students Project	TNSCST	2019 90	7500
Institution	EAC	EDII	2018 3	20000
CSE	National Seminar	IEI	2018 2	30000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**3**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

? Sengunthar Engineering College A) Received 103rd rank in All Over India Best Engineering College Ranking by India Today – 04.06.2018, B) Retained 6th Position in Ranking of Promising Engineering Colleges in India and obtained 21st Rank at Top Engineering Colleges in Tamilnadu by GHRDC – CSR Survey 2018, C) Obtained GOLD Rating at AICTECII Survey of Industry Linked Technical Institutes 2018, D) Ranked as "AAA" in Top Engineering Colleges in India by CAREER360° May 2019, E) Awarded as "Most Innovative Engineering College of the Year 2019" at National Educational Excellence Awards and Conferences, 2019. ? Funds Received from A) IEI – Erode Local Center (Sponsored – Rs.30,000/) Department of Computer Science and Engineering Organized National Level Seminar on "Data Analytics using R Language", B) Entrepreneurship Development Institute of India, (EDII) Ahmadabad sponsored Rs.0.20 Lakhs to conduct "Entrepreneurship Awareness Camp", C) TNSCST Sanctioned Rs. 15000/ for two projects, D) ICSSR – IMPRESS Sponsored Rs.2 Lakhs for National Seminar on "High Level Thinking using Artificial Intelligence" along with this SEC was Sanctioned Rs. 19,18,750/ for CSE, ECE, EEE Mechanical Departments under the Skills Training Scheme from Pradhan Mantri Kaushal Vikas Yojana (PMKVYTI) and also Two proposals (ECE CSE) submitted for DSTFIST (Fund for Improvement of ST Infrastructure) for the worth of Rs.2,03,71,490/ (ECE Rs.1,00,47,100/ CSE Rs.1,03,24,390/) on 14.06.18. ? EDC of SEC, Organized Sengunthar Entrepreneur Exhibition 3rd Edition, MHRDIIC (Institution's Innovation Council) selected our Institution for establishing MIC and Star Certification. Texas Instruments India has contributed 6 RSLK Robotics Basic Kit for the worth of Rs. 48,000. ? Sengunthar Engineering College has granted Conferment of Autonomous Status from UGC, New Delhi on 24th June 2019. ? Others supports offered by IQAC A) Obtained ISO 9001:2015 Certification from BSCIC on 13th February 2019, B) Organized Second International Conference on "NexGen Technologies", C) Top officials of SEC received various awards for their excellence from International Association of Research and Developed Organization, Ghaziabad.

[View File](#)

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

Plan of Action	Achivements/Outcomes
Admission, Placement, Result, Cocurricular Activities, MSME, Research Promotion, Funding Proposals	IQAC focusing on each factor which provides the Quality Enhancement for the Institution in a wider concept. out of various verticals, IQAC choose seven areas which shown a exponential growth in all aspects.
[View File](#)	

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
IQAC Board Meeting	23-Sep-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**06-Sep-2018**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2019**
Date of Submission	**07-Jan-2019**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**IQAC leads the total control of MIS Section of our institution. A System of Operation and Documentation is executed in the Institution and which has a frequent monitoring system to track the process.**

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

Sengunthar Engineering College (SEC), followed the curriculum offered by the Anna University, Chennai. SEC prepares an academic calendar for each semester based on the University Calendar. Which contains the duration of the semester, internal assessment schedules, End Semester examination, Practical Sessions, Leave and Holidays, Meeting announcements. Based the the internal academic schedule, HoD has to allocate the subjects and time table for the faculty members. Then the faculty members prepare the teaching materials and delivery content for their concerned subject. Our faculty members are using the following methodologies to deliver the curriculum for their students, that is Lectures, Class Presentation, Tutorials, Simulation, Case Study, Seminar, Webinar, E-learning Sources, LMS, etc. And for documentation each course faculty must maintain a separate Course Work File (CWF) which contains a details information about the course taught, lesson plan, lecture schedule, log book, internal assessment QP & Key, Seminar Documents, Lecture Note and Handouts, E-Notes, etc.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepene urship	Skill Development
Communicatio n Skills		**13/08/2018**	**30**	**Communicatio n Skill Development**	**Effective Speaking and Communicatin**

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		

No file uploaded.

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
No Data Entered/Not Applicable !!!		

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

	Certificate	Diploma Course
Number of Students	200	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
AUTOCAD	11/07/2018	60
CATIA, ANSYS	11/07/2018	60
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MBA	Marketing, Finance, HR	18
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
We have a separate system for the Feedback Collection from the stakeholders. The collected feedback will be analysed by using a separate tool and evaluate it to know the suggestions and recommendations from the stakeholders. The key recommendations and suggestion were put into action after the consultation with the high officials during the Governing Council Meeting and IQAC Meeting. The approved suggestion can be implemented and monitored by a adhoc committee and they bring out the real control system, if requires the content of

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Civil Engineering	120	8	8
BE	Computer Science and Engineering	90	49	49
BE	ECE	120	37	37
BE	EEE	90	29	29
BE	Mechanical Engineering	60	50	50
ME	CSE	18	1	1
ME	VLSI	18	1	1
ME	Structural Engineeering	18	5	5
MBA	Master of Business Administartion	60	19	19
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	173	26	97	17	0

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 Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
116	116	5	12	3	15

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

Our Institution has an effective Mentor Ward System, which shows a gradual development among the students performance in all aspects. Each faculty is assigned with 15 students as their ward and they give personal attention and care among the students for their career and personal development in all aspects. A regular review meeting would give them benefit in educational, personal, professional and other improvements. Apart from the Mentor Ward System, DeanStudents Affairs is taking care of the Critical issues among the students to overcome

out of it. Regular Counselling session is organized by batch wise for their upliftment.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
965	104	1:10

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
102	94	8	10	1

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr.C.Venkatesh	Principal	"Academic Leadership 2018" Award from International Association of Research and Developed Organization, Ghaziabad
2018	Dr.B.Sujatha	Dean	"Distinguished Educators 2018" Award from International Association of Research and Developed Organization, Ghaziabad
2018	Dr.M.Selvakumar	Associate Professor	"Distinguished Educators 2018" Award from International Association of Research and Developed Organization, Ghaziabad
2018	Mrs.C.Aarthi	Associate Professor	"Best Engineer 2018" Award from International Association of Research and Developed Organization, Ghaziabad
2018	Mr.P.Jagadeeswaran	Assistant Professor	"Best Teacher of the Year 2018"

			Award from International Association of Research and Developed Organization, Ghaziabad
2019	Mrs.C.Aarthi	Associate Professor	Appreciation Award for Fostering an Eco System Bridging Government, Industry and Academia from Texas Instruments
2019	Mr.A.Rahul	Assistant Professor	Appreciation Award for Fostering an Eco System Bridging Government, Industry and Academia from Texas Instruments
2019	Mr.M.Jayakumar	Assistant Professor	Appreciation Award for Fostering an Eco System Bridging Government, Industry and Academia from Texas Instruments
2019	Mrs.D.Mehala	Assistant Professor	Appreciation Award for Fostering an Eco System Bridging Government, Industry and Academia from Texas Instruments
2019	Mr.P.Gopinath	Assistant Professor	Appreciation Award for Fostering an Eco System Bridging Government, Industry and Academia from Texas Instruments
2019	Mr.P.Sivasankar	Assistant Professor	Appreciation Award for Fostering an Eco System Bridging Government, Industry and Academia from Texas Instruments
2018	Dr.K.Umadevi	Professor	Outstanding Faculty from IRCA, 2018
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester- end/ year- end examination
BE	103	2	18/05/2019	27/06/2019
BE	103	4	22/05/2019	27/06/2019
BE	103	6	29/04/2019	27/06/2019
BE	103	8	13/04/2019	21/05/2019
BE	104	2	18/05/2019	27/06/2019
BE	104	4	22/05/2019	27/06/2019
BE	104	6	04/05/2019	27/06/2019
BE	104	8	29/04/2019	21/05/2019
BE	105	2	18/05/2019	27/06/2019
BE	105	4	22/05/2019	27/06/2019
BE	105	6	29/04/2019	27/06/2019
BE	105	8	29/04/2019	21/05/2019
BE	106	2	21/05/2019	27/06/2019
BE	106	4	22/05/2019	27/06/2019
BE	106	6	02/05/2019	27/06/2019
BE	106	8	29/04/2019	21/05/2019
BE	114	2	18/05/2019	27/06/2019
BE	114	4	22/05/2019	27/06/2019
BE	114	6	04/05/2019	27/06/2019
BE	114	8	16/04/2019	21/05/2019
ME	405	2	25/05/2019	27/06/2019
ME	405	4	21/06/2019	27/06/2019
ME	419	2	25/05/2019	27/06/2019
ME	419	4	21/06/2019	27/06/2019
ME	413	2	24/05/2019	27/06/2019
ME	413	4	21/06/2019	27/06/2019
MBA	631	2	21/05/2019	27/06/2019
MBA	631	4	21/06/2019	27/06/2019

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

Our institution has a separate Internal Exam Cell which controls and coordinate the overall internal exams and evaluation system and operation of the examinations under the headship of experienced coordinator. The mode of examinations are like board examinations with full of systematic oriented and function oriented. This system speaks the genuinity and credibility of the internal exam cell i.e. separate schedule, allotment of students and halls, students shuffling, internal monitoring system, internal squad observation,

separate internal record book, question paper scrutiny team, key preparation, answer sheet evaluation, marks sheet preparation, internal exam evaluation formats preparation, internal result analysis and feedback system, these are the methods used for the effective function of the internal exam cell, which strengthen the Confidentiality in the Continuous Internal Evaluation (CIE).

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

In continuation with the Academic calendar issued by the Anna University, Chennai, DeanAcademic s and the Head of the Institution prepares the Academic Calendar of the Institution for each semester based on the recommendations made by the University. This calendar contains the internal exam schedule, programme schedules, leave information, Meeting Dates, and other activities pertaining to the semester. This brings a preplan report for each semester which supports for the stake holders in large.

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://scteng.co.in/documents/IQAC/SPLO.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
103	BE	Civil Engineering	57	38	66.66
104	BE	Computer Science and Engineering	40	31	777.50
105	BE	Electrical and Electronics Engineering	55	48	87.27
106	BE	Electronics and Communication Engineering	68	59	86.76
114	BE	Mechanical Engineering	60	36	60
631	MBA	Master of Business Administration	17	10	58.83
419	ME	VLSI Design	1	0	0
413	ME	Structural Engineering	5	0	0
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2.7 – Student Satisfaction Survey

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

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Students Research Projects (Other than compulsory by the University)	365	TNSCST	7500	7500
Students Research Projects (Other than compulsory by the University)	365	TNSCST	7500	7500
Any Other (Specify)	1	IEI, Kolkata	30000	30000
Any Other (Specify)	1	ICSSR	200000	200000
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
A Two Day Workshop on Intellectual Property Rights	All Departments	08/01/2019
A Two Day Workshop on Intellectual Property Rights	All Departments	10/01/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Borewell Trapped People Rescue System	S.Ganesh Ranjith, P.Ranjith Kumar, R.Sampath	Entrepreneurship Development and Innovation Institute, Tamilnadu	04/02/2019	Students Innovation
Harvesting of Electricity from Handloom Weaving Machine coupled with Power Generator Dynamo	D.K.Thanmodharan, T.Kiranraj, S.Nandha Kumar	Entrepreneurship Development and Innovation Institute, Tamilnadu	04/02/2019	Students Innovation
Vehicle Clutch	S.Kathiresan,	TNSCST	12/07/2019	Students

Using Eddy Current Coupling	R.Ranjith Kumar, N.Subramani				Category

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
CoE	Texas Innovation Lab	STEPS Knowledge Services Private Limited, Coimbatore	Texas Innovation	Robotics Lab	15/03/2019

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
1	10	1

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

Name of the Department	Number of PhD's Awarded
Computer Science and Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	All Departments	76	.76

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

Department	Number of Publication
CSE	8
ECE	28
EEE	16
Mechanical	18
Civil	2

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Analysis of Ground Water	Dr.P.Subramanian	IJSRRInternational Journal of	2018	1	0	8

Title	Author	Journal	Year			
Quality using GIST iruchengode Area		Scientific Research and Review				
Experimental Investigation on Strengthening of Pre Damaged Reinforced Concrete Beam using Cement Laminates	Dr.P.Subramanian	IJARSE International Journal of Advanced Technology in Engineering and Science	2018	0	0	8
Improvement of Productivity in Construction Projects Using A Lean Driven Scheduling Method	Dr.P.Subramanian	IJARSE International Journal of Advanced Technology in Engineering and Science	2018	0	0	8
Challenges of Construction Industries in Developing Countries: Lessons from Various Countries	Dr.P.Subramanian	IJARSE International Journal of Advanced Technology in Engineering and Science	2018	0	0	8
Factors Affecting the Productivity and Improvement of the construction industry	Dr.P.Subramanian	IJARSE International Journal of Advanced Technology in Engineering and Science	2018	0	0	8
Computerization in construction management using radio frequency detection (RFD)	Dr.P.Subramanian	IJARSE International Journal of Advanced Technology in Engineering and Science	2018	0	0	8

Manipulate of natural loading rate and hydraulic retention time on the competence of a JUASB bioreactor treating vegetable and fruit waste	Dr.P.Subramanian	International Journal of Advanced Science and Engineering Research	2018	0	0	8
Authority of organic leading rate and hydraulic retention time on the efficiency of a HUASB Bioreactor treating vegetable plus fruit waste	Dr.P.Subramanian	Internatinal Journal of Latest Transactions in Engineering and Science (IJLTES)	2018	0	0	8
Optimizing chemical fertilizer application for onion crop under drip fertigation in sandy loam soil through solute transport modelling	Dr.P.Subramanian	Eco. Env. Cons. Copyright @ EM International	2018	0	0	8
Seasonal variation of physico chemical parameters of tamirabarani river and estuary water Thoothukudi district, Tamilnadu,	Dr.P.Subramanian	Ecology, Environmental Conservation	2018	0	0	8

India						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
East or West ! The Cultural Impetus on Learning in SMEs: An Empirical Study	Dr.M.S.R.Mariyappan	International Journal of Advanced Technology in Engineering and Science	2019	2	0	Vice Principal
A Study on Level of Stress faced by Kinder Garden School Women Teachers	Dr.M.S.R.Mariyappan	International Journal of Scientific Research and Review	2019	2	0	Vice Principal
A Study on Stress Level of Employees and its Impact on Productivity in Garment Export Company	Dr.M.S.R.Mariyappan	Intercontinental Journal of Human Resource Research Review	2019	2	0	Vice Principal
Calculation of Shielding Effectiveness of an Enclosure with Arbitrary Shaped Apertures using Hybrid Approach	Dr.C.Venkatesh	15th International Conference on Electro Magnetic Interference	2018	9	0	Professor
Synthesis and Characterization of Co doped ZnO	Dr.K.L.Palanisamy	International Journal of Advanced research	2018	3	0	Professor Head SH

Nanocrystalline Thin films		in Science and Engineering				
IoT based Smart Circular Automation	M.Arun Kumar	International Journal of Advance Research in Science and Engineering	2018	0	0	Assistant Professor
THERMAL STABILITY, ULTRAVIOLET AND ANTI BACTERIAL EFFECT OF MODAL FABRIC USING PLASMA MODIFICATION	Dr.K.Vignesh	International Journal of Creative Research Thoughts	2018	4	0	Assistant Professor
Plasma process for coated fabric materials with Zinc to prepare antibacterial modal fabric	Dr.K.Vignesh	Materials Technology Advanced Performance Materials	2018	4	0	Assistant Professor
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	23	14	3	7
Presented papers	70	6	0	5
Resource persons	0	3	0	7
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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
International Yoga Day	NSS Unit 1 2	50	350
Blood Donation Camp	YRC	6	75

Blood Identification Camp	YRC	6	100
Training Session	RRC	6	100
Interactive Session by Positive Speakers	RRC	6	100
Peer Education Training	RRC	6	100

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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Motivation Activity	Best Motivator Award	Makkal Padhai Sathya IAS Academy	140
Women Educator	Senior Women Educator and Scholar Award	National Foundation Entrepreneurship Development	75

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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
ARIIA	AICTE	ARIIA	2	0
IIC	MHRDC	IIC	2	0
EROINTEC	EEIDSSIA	Students Innovation	1	8

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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Industrial Need Innovation	Students	Self	3

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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Sharing of Research Facilities	IOT, Robotics, Advanced	Texas Instruments and STEPS	07/05/2019	23/07/2019	30

		Embedded Systems Laboratory	Knowledge Service Pvt. Ltd.,			
Sharing of Research Facilities	RSLK Basic Kit for Circuit and Design Laboratory	Texas Instruments and STEPS Knowledge Service Pvt. Ltd.,	16/03/2019	15/05/2019	30
Project Work	Flexible Picture for Terminal Bendjoint Feeding in Water Wall Panels	Bharat Heavy Electricals Limited (BHEL), Tiruchy	05/01/2019	28/02/2019	4

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Telecom Sector Skill Council	28/08/2018	1. For Internship Training 2. Faculty Development Programme by offering Train The Trainer(TTT) concept 3. Employment Opportunity through Recruitment Management System (RMS)	15

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
15000000	14972465

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Classrooms with Wi-Fi OR LAN	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added

Others	Existing

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 patially)	Version	Year of automation
Campus iLib Software ERP Palpap Software	Fully	Advancement	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	36434	8464647	169	61751	36603	8526398
Reference Books	1032	328692	5	4660	1037	333352
e-Books	4255	0	0	0	4255	0
Journals	42	66056	0	0	42	66056
e-Journals	150	0	0	0	150	0
Digital Database	2033	0	0	0	2033	0
CD & Video	1278	0	0	0	1278	0
Library Automation	65	0	0	0	65	0
Others(specify)	0	13570	0	0	0	13570

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

Name of the Teacher	Name of the Module	Platformon which module is developed	Date of launching e-content
Dr.M.Selvakumar	Engineering Metallurgy	Mechanical	05/12/2018
Mr.P.Jagadeeswaran	Strength of Materials	Mechanical	05/12/2018
Dr.P.Rameshkumar	Signals and Systems	Electronics and Communication	27/06/2018
Mr.P.Gopinath	Digital Communication	Electronics and Communication	27/06/2018
Mr.C.Kandasamy	Environmental Science and Engineering	Electronics and Communication	27/06/2018
Mrs.C.Aarthi	Microprocessor and Microcontroller	Electronics and Communication	27/06/2018
Dr.K.Umadevi	Micro Controller based System Design	Electrical and Electronics	27/06/2018

Mrs.T.Gohila	Digital Logic Circuits	Electrical and Electronics	27/06/2018
Mr.N.Sivakumar	Electrical Machines I	Electrical and Electronics	27/06/2018
Mr.D.Sathiyaraj	Protection and Switchgear	Electrical and Electronics	27/06/2018
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	680	12	680	1	1	2	7	60	0
Added	0	0	0	0	0	0	0	0	0
Total	680	12	680	1	1	2	7	60	0

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

60 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
Engineering Departments	http://103.207.4.156/SengUntharLibrary/Default.aspx

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
1500000	1136270	15000000	14972465

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

The infrastructure pertaining to physical, academic and support facilities in college are regularly maintained by DeanPlanning and Development to ensure that they are of maximum benefit to the students as well as teaching and nonteaching staff. Campus Supervisor and his team members deputed to ensure maintenance of the campus under DeanPlanning and Development. There are various committees like Library, Sports, Website Development, Gardening etc. to ensure proper maintenance and upkeep. Suitable budget is allocated every year for the maintenance of various facilities. The various committees meet regularly to monitor the optimum use of infrastructure which is accessible to the students and staff of the college. Most of the lectures take place in classrooms with latest teaching aids. This is to ensure usage of new audiovisual pedagogical techniques during the teaching process. The college has a Technical Assistant and Lab Assistants and Lab Attendants to ensure proper upkeep of the various

labs including computer center. The College has a Central Library with stateoftheart facilities with a Digital Library, Research Centre, Back Volume Centre, Knowledge Resource Centre and Board Room. A Computer Lab has been set up to be used by various departments. Students make extensive use of the facility for reading and research. The campus also offers facilities such as Cafeteria, Common Room and Gymnasium. A dispensary with doctor and nurse is available in the campus for first aid. Both the Library and administration section of the college have undergone computerization. The library is fully digitized and is open even after class hours. It has computer terminals with internet facility and large reading spaces. A regular update on new additions is provided by the library. A library committee works regularly to oversee the functioning of the library and various other committees' coordinate with each other to enable the students to get maximum exposure and participation and also to avail all the facilities provided by the college. Sports and Games is an internal part of the college and coach is available for the students - to train them in Table Tennis, Foot Ball, Volley Ball, Cricket and also indoor games. As a highlight of the institution, it has Solar panels and garbage segregation in the hostel to take care of the environmental needs. An eco friendly environment is of prime importance in the college.

http://scteng.co.in/documents/IQAC/Procedure%20and%20Policies.pdf

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
No Data Entered/Not Applicable !!!			
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Remedial Coaching for Slow Learners	22/04/2019	11	Faculty Members
Students Induction Programme	13/08/2018	150	A.Gowtham, HR, TCSChennai
Personal Counselling	27/09/2018	6	Senior Faculty Members
Mentoring System: Tutor Ward Meeting	08/10/2018	153	Assigned Faculty Members
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	Career Guidance Scheme	56	171	2	91

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
No Data Entered/Not Applicable !!!		

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
First Source, High Citizen Life Skill Company, Trimmed Solutions, NCR, Kavery Traders India Pvt. Ltd., VISME Instruments, Tevel Cyber Crops, TDS, Royal Enfield, Gokul Engineering Works, Venkateswara Millet, CAD Centre, New Tech Precision Products Pvt	**428**	**74**	**CTS, TCS**	**18**	**2**
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	**1**	**B.E.**	**Electronics and Communication Engineering**	**Sengunthar Engineering College**	**M.B.A**
2018	**1**	**B.E.**	**Electronics and Communication Engineering**	**Sengunthar Engineering College**	**M.E.**

2018	1	B.E.	Electrical and Electronics Engineering	Sona College of Technology	M.B.A.

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

Items	Number of students selected/ qualifying
Any Other	1

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

Activity	Level	Number of Participants
Annual Day Cultural Celebrations	Intra Institutional Level	44
Badminton	Four	16
Basket Ball	Four	48
Ball Badminton	Four	40
Cricket	Four	64
Foot Ball	Four	72
Hockey	Four	72
Hand Ball	Four	56
Kabadi	Four	48
Kho Kho	Four	48
Table Tennis	Four	24
Volley Ball	Four	48
Athletics	Four	84

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Gold Medal	National	1	0	0	M.Karthik
2019	Gold Medal	National	1	0	0	M.Seenu Balani
2019	Gold Medal	National	1	0	0	J.Arularasan

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

College creates a platform for the active participation of the students in the various academic administrative bodies. This empowers the students in gaining

various skills apart from leadership and Headship qualities. Out of 43 Committees/Cells/Groups etc in the institution, students are actively involved as a key representative in 20 Cells, like Women Empowerment Cell, Green Club, Entrepreneurship Development Cell, Creativity and Innovation Cell, Toastmasters Club, Center for Excellence, Texas Innovation Lab, Tamil Mandram, Povrnami Kavirangam, Womens Forum, Blood Donors Club, NSS, YRC, RRC, Eco Club, Class Committee, Activity Based Learning Cell etc. Each Cell has a separate mode of selection and function based on the need and importance of the Cell/Committee/Forum. Few key activities of the Students in the Committees are ? The student members bring forward the views and suggestions of the entire class with respect to the faculty, subjects, syllabus and other things related to the class. ? The composition of student members is of two topper, two average and two slow learner (the one who has more integrity with other students) of each section are nominated as class representatives, for all the sections from I Year to Final Year. ? The Class Committee helps students to share ideas, interests, and concerns with lecturers and principal. They often also help raise funds for wide activities, including social events, community projects, helping people in need and college reform. ? Various programs like paper presentations, workshops and seminars are organized by these bodies every year. Apart from that we had formed Library committee for improving the reading habits of the students, Cultural Committee for students Extra Curricular Skill Development, for Discipline, Anti Ragging Committee, for Physical Fitness, Sports Committee The funding for various activities of the internal college bodies is provided by the College Management.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

CERTIFICATE OF REGISTRATION OF SOCIETIES : Sl.No.: 119/2010

5.4.2 – No. of enrolled Alumni:

5674

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

409490

5.4.4 – Meetings/activities organized by Alumni Association :

Yearly a General Body Meeting is organized during the Graduation Day and nominate the Officer Bearers for the Association. Apart from this a regular visit by the Alumni for discussion with the Students about the present industrial scenario and also utilize them for the Placement opportunities of 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)

The leadership of the Institute believes in participative management and strives to bring in excellence by structured organizational system with the involvement of all the stakeholders. Various stakeholders of the institute are the members of the statutory bodies and their meetings are conducted regularly. The Institute collects feedback from all the students on teaching, curriculum and support services. The feedback is used to improve the overall performance of the institute. The Correspondent who works closely with administrative team comprising Principal, faculties, cocoordinator and senior teachers, offers

effective leadership by setting values and participative decision making process, coordinating the academic and administrative aspects. The Institute promotes culture of participative management at various levels. The Institute involves its stakeholders in important decision making and management process.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	• The Institution is an affiliated Engineering College under Anna University, Chennai, the curriculum and syllabi of the affiliated University has been adopted. The parent University revises the syllabi of the Programmes in a regular cycle. • Usage of "Open Source Software" – The awareness has been created and students are encouraged to utilize the open source software framework for solving the curricular exercises. Central Library of our Institution has various Learning Resources like DELNET, IEEE, NPTEL and NDL. • Signed MOU with Companies travelling in different platforms to improve the intellectual capacity of both students and faculty members. • Offered value added Programmes to fill the industry gap through the feedbacks from stakeholders.
Teaching and Learning	The following measures are adopted by the institution for the betterment of teaching and learning process. • Preparation of Institution Academic Calendar • Preparation of Department Academic Calendar • Creation of Course plan for each courses and observation of proper execution • Preparation of Lesson plan for each courses • Evaluation through Attendance, Assignments and Internal Assessment • Lecture notes preparation presentation to the students • Library updation and books available • Feedback from students • Additional classes for slow learners • Mentoring the students to motivate them thorough tutor ward system • Expert lectures from Industries and Academic • Encouraging students to do mini project at their concerned discipline • Inputs from stakeholders are process considered for improvising the teaching – learning process of the institution.

Examination and Evaluation	• The evaluation process is designed by Anna university, Chennai • Performance in each course of study is evaluated based on 3 continuous internal assessments throughout the semester and Anna University Examination at the end of the Semester • Answer scripts of IAES are maintained, accessible to students on request • Feedback on student performance is given after every IAE • Laboratory course marks are awarded to the students based on their Performance as per the instruction by Anna University, Chennai • Timely Assessment of Test is done and the result is displayed • Faculty Contribution in the University Examination are predominant and their services rendered by Question paper setting, Internal Invigilation duty, Script preparation, Exam Valuation and so. • Record work and Viva Voce Examination • For final year students, project marks are awarded based on their performance by both internal evaluation and external Viva voce examination.
Research and Development	• The college has a separate Research and Development Cell which take up the activities related to Research and Innovation. The committee is headed by the Principal with faculty members having Ph.D. qualification as its member with the coordination of DeanRD. • The institution has been recognized as Research Centre for the Department of Computer Science and Engineering and Department of Electronics and Communication Engineering by Anna University, Chennai. • Faculty members have been encouraged to apply Research Proposals to various funding agencies like AICTE, DST, UGC, CSIR, ICSSR, etc., • CoE (Centre of Excellence) in the Department of Electronics and Communication Engineering has been utilized by the companies to test various models. • TEXAS Instruments has established the Innovation Lab • National Cyber Defense Research Centre has approved our institution as a National Resource Center • Publications of Research findings in Conference and Journals are mandatory for PG students • Faculty member are encouraged and motivated for their Research Publication during the Annual day programme by offering Certificate,

	Shield and Cash Prize • Few innovative projects are furnished for R2M (Ready to Market) through Entrepreneurship Development Cell in association with EEDISSIA.
Library, ICT and Physical Infrastructure / Instrumentation	Library • Central Library Committee provide guidelines for improving the quality of library • resources and for effective usage • The college boasts a wellstocked and digitalized central library with college and Departmentwise division to ensure easy, quick and efficient access to desired data. • NPTEL (National Programme on Technology Enhanced Learning) web courses and video courses are being used by staff and students to enhance their skills • Joined as an institutional member of DELNET for sharing resources with other libraries to enhance teaching – learning process. It connects all libraries of the technical institution approved by AICTE, New Delhi • The College library offers the below listed tools for the maximum access to the library collections: ? OPAC software fir library management ? Electronic Resource Management Package for Journals ? DSpace ? Library Website ? Inhouse/Remote Access to epublications ? Internet Facility ? Book Bank Scheme for SC / ST students ICT • LCD Projectors, Slide Projectors and Overhead Projectors are available in the departments to promote Computer aided Teaching Learning.
Human Resource Management	• The management assess adequate human power requirement • Recruitment and Selection of the faculty members are based on the guidelines provided by AICTE, New Delhi and Anna University, Chennai • Biometric Attendance system is practiced for all faculty members in the institution • Regular feedback and Counseling from the faculty members • Career guidance support by senior faculty member for junior faculty member • Enhancing the quality of the faculty members by deputing for Faculty Development Programmes, Conference / Seminar / Workshop participation, Presentation of research papers, Industrial visit through IIPC, etc., • Faculty members are recognized for their contributions and achievements during the Annual day programme • Welfare Schemes are available for the

	faculty member in the campus like EPF, Group Insurance, Concession rate food in college hostel, SIWEF, Festival Advances, Earned leave, Medical leave etc., • Free transportation for all faculty members • Effective system of Performance Appraisal through Annual Performance Evaluation Report.
Industry Interaction / Collaboration	Various MoU's are signed for the academic development and students' professional growth. • Industry Interaction is integrated for all Programmes • Membership with EEDISSIA (Erode District Small Industries Association) and CII • (Confederation of Indian Industry) • MoUs are signed with companies for mutual benefit with exchange of expertise and a proper monitoring system is evaluated to measure through IIPC • Guest lecturers are being conducted by the Industrial Experts • Effective function of Entrepreneurship Development Cell through organizing various Programmes and Exhibitions • Study tours are conducted for students to visit industries • Alumni placed in reputed companies and entrepreneurs are invited for informal discussion with the students. • A senior faculty member is taking care of the industrial associations integration and activities through various activities
Admission of Students	• The students are admitted according to the Anna University / Tamilnadu Government / AICTE Norms. • Admission of students to various Programmes is done through a Single Window System (SWS) and Management Quota System (MQS). Admission through SWS is done by the Tamilnadu State Government and MQS is also based on merit following the norms prescribed by Anna University and Government of Tamilnadu. • The college ensures wide publicity in admission process by advertising in local, regional and national newspapers, local and regional TV channels, participating in the educational fairs and providing updated information through the college website and SECAPPS mobile application.

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

E-governace area	Details
Planning and Development	An excellent system is followed in this area under a Dean (Planning and Development), who take cares of both

	academic and physical activities.
Administration	A common internal system is followed by the institution through intranet facilities for the effective administration of the institution.
Finance and Accounts	This section is focus on Cash less transaction and operates online system, digital payment modes etc
Student Admission and Support	Separate Android Application is available for the students to know their activities and performance towards the examination to avoid paper banks.
Examination	Online Centralized Examinations system is following in the campus for both Internal and University Examinations.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr.C.Venkatesh	NexGen Technologies	Sengunthar Charitable Trust	500
2018	Dr.C.Venkatesh	NexGen Technologies	Sengunthar Charitable Trust	500
2018	Dr.C.Venkatesh	NexGen Technologies	Sengunthar Charitable Trust	500
2019	Dr.C.Venkatesh	IMPRESS	ICSSR	0
2018	Mrs.C.Aarthi	NexGen Technologies	Sengunthar Charitable Trust	500
2018	Mrs.C.Aarthi	NexGen Technologies	Sengunthar Charitable Trust	500
2018	Mrs.C.Aarthi	NexGen Technologies	Sengunthar Charitable Trust	500
2018	Mrs.C.Aarthi	NexGen Technologies	Sengunthar Charitable Trust	500
2018	Mrs.C.Aarthi	NexGen Technologies	Sengunthar Charitable Trust	500
2019	Mrs.C.Aarthi	IMPRESS	ICSSR	0
2018	Dr.P.Ramesh	NexGen	Sengunthar	500

Year	Name	Title	Funding Agency	Amount
	Kumar	Technologies	Charitable Trust	
2019	Dr.P.Rameshkumar	IMPRESS	ICSSR	0
2018	Mr.A.Rahul	NexGen Technologies	Sengunthar Charitable Trust	500
2019	Mr.A.Rahul	IMPRESS	ICSSR	0
2018	Mr.M.Jayakumar	NexGen Technologies	Sengunthar Charitable Trust	500
2018	Mr.M.Jayakumar	NexGen Technologies	Sengunthar Charitable Trust	500
2019	Mr.M.Jayakumar	IMPRESS	ICSSR	0
2018	Mrs.D.Mekala	Protocol Implementation for Wireless Sensor Networks for anti smuggling for trees with animal detection	Sengunthar Charitable Trust	500
2019	Mrs.D.Mekala	Exoskeleton ARM using Arduino	Sengunthar Charitable Trust	500
2018	Mr.A.Suresh	NexGen Technologies	Sengunthar Charitable Trust	500
2018	Mr.A.Suresh	NexGen Technologies	Sengunthar Charitable Trust	500
2019	Mr.A.Suresh	IMPRESS	ICSSR	0
2018	Mr.P.Gopinath	NexGen Technologies	Sengunthar Charitable Trust	500
2018	Mr.P.Gopinath	NexGen Technologies	Sengunthar Charitable Trust	500
2019	Mr.P.Gopinath	IMPRESS	ICSSR	0
2018	Mr.P.Sivasankaran	NexGen Technologies	Sengunthar Charitable Trust	500
2018	Mr.P.Sivasankaran	NexGen Technologies	Sengunthar Charitable Trust	500
2018	Mr.P.Sivasankaran	NexGen Technologies	Sengunthar Charitable Trust	500

2019	Mr.P.Sivasankaran	IMPRESS	ICSSR	0
2018	Mr.M.Arunkumar	NexGen Technologies	Sengunthar Charitable Trust	500
2018	Mr.M.Arunkumar	NexGen Technologies	Sengunthar Charitable Trust	500
2018	Mr.M.Arunkumar	NexGen Technologies	Sengunthar Charitable Trust	500
2019	Mr.M.Arunkumar	IMPRESS	ICSSR	0
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Campus Connect Programme	Campus Connect Programme	25/07/2018	12/02/2019	3	1
2019	SCI Lab Workshop	Nil	04/05/2019	04/05/2019	7	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
SCI Lab Workshop	1	04/05/2019	04/05/2019	1
Learn MAT Lab with Image Processing	1	28/01/2019	28/01/2019	1
FDP on Reference Management and Knowledge Organization for Journal Writing	1	10/12/2018	14/12/2018	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching	Non-teaching

Permanent	Full Time	Permanent	Full Time
116	116	25	25

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Maternity leave with salary for the female faculty members • Free medical facility in the campus • Free transport facility for the faculty members • Foods for subsidized prices in the college hostel • Financial support to the faculty members for participation in Conference / Seminar / Workshop in National and International Level Programmes. • Teaching faculty members pursuing Ph.D. and research activities are encouraged with Onduty and usage of infrastructural facilities in the campus for their research activity • Loan at very low interest through SIEWF Scheme for the faculty members • Facilities to enhance the earned leave if not availed • Cash Awards and certificate for the faculty members publication in Anna University Referred Journals • Cash Award during the Annual day celebration to the teaching faculty members for those who produce Cent Percent result at their subjects.	• Free medical facility in the campus • Free transport facility for the faculty members • Foods for subsidized prices in the college hostel • Loan at very low interest through SIEWF Scheme for the faculty members • Facilities to enhance the earned leave if not availed	• Wifi Enabled Campus • Dispensary in college campus to look after the medical needs • College has a tie up with Sumathi Child Care Centre, Tiruchengode for emergency medical treatment • One Sovereign Gold Coin and "VIT Chancellor Award" for the best outgoing students • Sengunthar Charitable Trust Scholarship for poor students • Sports Scholarship by SCT • Free transport for all students • Ramps for Physically disabled students • Medical Insurance for all students • Fee waiver schemes • Separate Gym and recreation centre for Girls and Boys • Cash incentive for best performers during Annual day Sports day Programmes.

6.4 – Financial Management and Resource Mobilization

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

Yes. Internal financial audit is with the support of Account Section Incharges under the supervision of Management Representatives and the external financial audit is don by the Institution Charted Accountant. annually for each financial year.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Indian Council for Social Science Research (ICSSR), Institution of Engineers, TNSCST	245000	For Organizing Seminar, Workshop and Students Projects

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6.4.3 – Total corpus fund generated

10000000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	BSCIC, Haryana	Yes	Internal Audit Committee
Administrative	Yes	Management Nominee	Yes	Management Representative

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

The college does not have a Parent – Teacher Association at present. College has MentorWard system in which a group of students is allotted to a faculty member in to care of all the issues related to the allotted students. A Mentor acts as a surrogate parent to the students. The communication with the parents regarding the attendance and other issues is taken care by the Mentor through Class Adviser. The meeting with the parents are also scheduled if requires. Dean Student Affair is the chief Mentor to coordinate the activities of MentorWard system.

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

Various technical training programs in the domain are arranged by departments for their technical support staff to improve their competency levels. ? The few staff members are also sent outside for the training ? Expenses incurred to attend the external programmes are sponsored by the Management

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

Our Institution has introduced various systems for the effective functions and result oriented concepts for the institutions upliftment and development. Few are 1. Learning Management System (LMS) 2. Finlands Education System (FES) 3. Communication Sill Improvement (CSI) 4. Analytical Application and Design Development (AADD)

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants

2019	NexGen	08/03/2019	08/03/2019	09/03/2019	965
2019	Technical Discussion	02/03/2019	02/03/2019	02/03/2019	947
2019	Idea to IPR	10/01/2019	10/01/2019	11/01/2019	150
2018	Energy Conservation	14/12/2018	14/12/2018	15/12/2018	336
2018	Conversation of Student as Studentpreneur	25/09/2018	25/09/2018	27/09/2018	80

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
International Womens Day	08/03/2019	08/03/2019	229	0
Breast Feeding and Child Health Care Awareness Programme	09/08/2018	09/08/2018	229	0

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

Percentage of power requirement of the University met by the renewable energy sources
1. "SOLAR INVERTER" is designed and installed at the department of Electrical and Electronics by our final year B.E. – EEE students. 2. "WIND MILL SYSTEM " is also designed and installed at our college to harness the renewable energy source by our final year B.E. – EEE students. 3. Renewable Energy (Solar Energy) Utilization 4. Four 10W LED Solar Street Lights in Sengunthar Engineering College Campus Total Cost: Rs. 10,8000/ (Date of installation: 03.11.2010) 5. Vermi composting Plant is established to decompose the biodegradable wastes generated at our college campus and also demonstrated to the students about the construction of plant. Solid waste such as fallen leaves and kitchen wastes are collected from the various point of sources and segregated according to their nature. Nutrient rich manure is produced from the biodegradable wastes by Vermi Composting Process. The vermi compost is used in the College garden. 6. Water Conservation • Rain Water Harvesting facilities are available in every building that helps to promote the ground water level. • Instruction board was displayed to reduce the consumption and wastages of water. 7. Current – two 100 KW Transformers are available in the Campus for Electric Consumption apart from 200 KW available at Hostel Campus. 8. Generator Capacity 15 KVA , 125 KVA, 62.5 KVA Cummins 125 KVA

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	965

Ramp/Rails	Yes	965
Rest Rooms	Yes	965
Scribes for examination	Yes	965
Special skill development for differently abled students	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	15	15	09/03/2019	14	Village Development	Swatch Bharat	200
2019	1	1	05/02/2019	1	Blood Identification and Donation Camp	Blood Sponsor for the Needy	70

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

Title	Date of publication	Follow up(max 100 words)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Effective Training on Values and Ethics	05/02/2019	05/02/2019	100

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

Formation of Green Club: Receiving Green Audit Certificate from Concern Authority every Year Vermi Composting Process Energy Conservation through Solar Lamps Use of renewable energy Water Harvesting Efforts for Carbon Neutrality Implementation of Swatch Bharat Abhiyan in College Campus Promoting Paperless Environment Plastic Cover Avoidance Campaigns Solar lights have been installed inside the campus Students made sprinkler system for Greenery and Lawn Plantation is made in major places by the Campus and maintained to make campus as eco friendly

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Our Institution implements various best practices for the development of Students and Faculty Members. Out of those, we can submit SCI and AADD Concept as the best practices for the current year.

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

7.3 – Institutional Distinctiveness

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

The Vision and Mission statement of our institution clearly pointed towards rural based education and development of the rural people at large. A value based education based on the curriculum of the University which combines with the core values attached for the improvement of the students. The institute which in the verge of completing 20 years, has a strong bonding with the local and rural people of Tamilnadu. The institute wishes to emerge as a Centre of Academic Excellence by providing students opportunities for teaching the subjects to earn the desired degree and also help them to gain knowledge and skills in subjects beyond the course to make the students ready for the present global job market and mould them to skilled professionals. The institute promotes innovation, research and development for the faculty and students. Some projects are identified and the institute promotes and sponsors them to encourage their zeal towards research. Often the students come up with innovative ideas for startup which are funded by the Management through various lab equipments. For upgrading faculty skills the institution encourages and sponsors them for Ph.D., research, seminars, conferences. Publication of articles and papers and membership of professional bodies are supported by the Management. This has resulted in good number of publications to direct the institute to achieve its goal to become a centre of excellence. The institute also creates an enabling environment to foster research culture. The college makes information related to research and innovation available by circulating related notices. The institute organizes different activities to enhance the students' personality. Students are trained and groomed to enhance their Employability skills by imparting technical training, Soft skill, GD and Aptitude classes etc. to make the student, industry ready to face the current job market successfully. To upgrade their knowledge and enlighten them on the present trends of the technological advancements regular lectures by eminent professors and industrialists, seminars, workshops, quizcontests are conducted. Students who wish to pursue higher studies are given free GATE and competitive examination classes. Majority of students have emerged as a professionals of high level and they are pursuing successful career in various MNCs and corporate houses. Apart from the above activities our institute offers a best in class of Entrepreneurship Activities in different dimension to bring out the entrepreneurial talents among the students through frequent organizing of Entrepreneurship Awareness Camp with the support of Entrepreneurship Development Institute of India, Ahmadabad and Sengunthar Entrepreneur Expo twice in a year. Some students have become entrepreneurs and established their own companies with the support of this cell. Also our institution gives priority to Co curricular and Extra Curricular activities and physical activities, such as Sports, Cultural, Yoga, and Meditation etc.

Provide the weblink of the institution
http://scteng.co.in/documents/IQAC/Institutional%20Distinctiveness.pdf

8.Future Plans of Actions for Next Academic Year

1. Autonomous Status form UGC, New Delhi. 2. NBA for few Programmes