Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**K.S.R. COLLEGE OF ENGINEERING**
Name of the head of the Institution	**Dr. P. SENTHILKUMAR**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04288274213**
Mobile no.	**9994595475**
Registered Email	**principal@ksrce.ac.in**
Alternate Email	**info@ksrce.ac.in**
Address	**K.S.R. Kalvi Nagar**
City/Town	**Tiruchengode**
State/UT	**Tamil Nadu**
Pincode	**637215**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**01-Mar-2012**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. R.V.M. RANGARAJAN**
Phone no/Alternate Phone no.	**04288274213**
Mobile no.	**9865541428**
Registered Email	**iqac@ksrce.ac.in**
Alternate Email	**rangarajan.rvm@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.ksrce.ac.in/admin/file_manager/source/IQAC/AQAR2017-18.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.ksrce.ac.in/admin/file_manager/source/IQAC/Academic%20Calender18-19.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.09**	**2017**	**09-Jun-2017**	**08-Jun-2022**

6. Date of Establishment of IQAC

10-Oct-2016

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Workshop on	01-Mar-2019 1	150
Guest Lecture Programme on	12-Oct-2018 1	200
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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
NIL	NIL	NIL	2019 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View 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)

Contribution in Extension of Autonomous Status and NBA Accreditation process. Institutional Policies and Academic standards. Timely submission of AQAR to NAAC. Participation in NIRF. Periodical Academic and Administrative Audits.

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

Plan of Action	Achivements/Outcomes
To implement the CBCS system in the Regulation 2016 onwards.	CBCS system was implemented for all the disciplines.

To conduct academic audit for all the programmes for each semester	The internal and external audit to all the programmes was conducted during the academic year 2018-19.
To encourage all the faculty to take up at least one NPTEL online course per year to enhance the technical knowledge.	114 faculty members were successfully completed the NPTEL Courses in all the programmes.
To organize more number of Workshops/Seminars/Symposium/Conferences/FDP/STTP programmes.	The various departments has organized 11 workshops, 8 symposiums, 5 Conferences and 5 Faculty Development Programmes.
To encouraged in faculty members in faculty contributions towards Publications, Consultancy Activities, Patents and Outside the world activities.	Faculty members were published 15 papers in National Journals, 112 papers in International Journals and 209 papers were presented in the National and International Conferences. Revenue was generated through the Consultancy works. Faculty members were also engaged in the outside the world activities.
To improve placements the various training initiative were taken.	In our Institute 103 drives were conducted in which 352 were placed in IT/ITES and among 45 cores companies drives, 265 students were well placed.
To inculcate the research culture, students are encouraged to Publish/Present papers and create innovative projects.	325 students presented papers in the various Conferences and 20 innovative project has been done in various departments.
To motivate students in internship programmes.	244 students in various programmes were participated in Internship Programmes in reputed companies and industries.
To enhance the knowledge in beyond the syllabus, supported to take up the online NPTEL Courses.	12 students in various departments has been successfully completed the online NPTEL courses.
To promote quality education through Outcome Based Education (OBE) system.	It has been attained and achieved the OBE system in our institution.
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14. Whether AQAR was placed before statutory body ?   Yes

Name of Statutory Body	Meeting Date
Academic Council	22-Jul-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?   Yes

Date of Visit	20-Sep-2019

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	31-Jan-2020
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)	• Upgradation of the college Website with special importance to Management Information System. • Communication of important events, news and notification are uploaded periodically to general public through college Website. • SMS gateway to send important notifications to different stakeholders of the college. • Sending attendance and results of the wards to the parents through SMS. • Biometric attendance for the faculty and staff members of the college. • Online attendance entry through MIS. (KSRCE attendance Management System). • Libman 1.1 smart library management software is designed to handle all type of functions such as updating of stock, Maintenance of circulation and OPAC system is used to facilitate for the better management of the library. • All type of internal communications form the Principal office to all the departments are send through ecirculars.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
MBA	BA	MBA	07/03/2019
MCA	mca	MCA	30/06/2018
BE	11	BE – AUTOMOBILE	13/07/2018
BE	12	BE – CIVIL	23/03/2019
BE	13	BE – CSE	04/08/2018
BE	15	BE – ECE	12/05/2018
BE	14	BE – EEE	07/07/2018
BE	16	BE – MECHANICAL	07/05/2018

BTech	21	B.Tech. – IT	14/07/2018
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	B.E – CIVIL / 12	09/07/2018	12CE3703-Quantity Surveying & Estimation 12CE3711-Design Project 12CE3810 - Project Work 16CE514 – Design of Reinforced Concrete 16CE523 – Survey Camp 16CE613 – Design of Steel , Timber and Masonry Structures 16CE622 - Structural Design and Detail	09/07/2018
BE	BE – CSE / 13	04/08/2018	18HR351 - Carrier skill Development-I 18HR432 - Carrier skill Development- II 18HR533 - Carrier skill Development- III 18HR634 - Carrier skill Development – IV 18CS111 - Problem Solving Techniques 18CS121 - Problem Solving Techniques Laboratory 18CS2	04/08/2018
BE	B.E ECE / 15	12/05/2018	Skill development Courses 18HR351 - Career Development Skill 18HR442 - Career	12/05/2018

				Development Skill II 18HR543 - Career Development Skill III 18HR644 - Career Development Skill IV EntrepreneurshipCourses 18HS001 - Principles of Management Employab	
BE	BE – EEE / 14	07/07/2018	18HR351 & Carrier skill Development-I 18HR452 & Carrier skill Development- II 16HR553 & Carrier skill Development-III 16HR654 & Carrier skill Development – IV 18CS041 - Programming for Problem Solving 18CS027 - Programming for Problem Solving labor	07/07/2018
BTech	B.Tech – IT / 21	14/07/2018	18HR351 - Carrier skill Development-I 18HR432 - Carrier skill Development- II 18HR533 - Carrier skill Development-III 18HR634 - Carrier skill Development – IV 18IT211 – Python Programming I8IT311 – Object Oriented Programming 18IT513 – Java Programm	14/07/2018
BE	B.E. – MECH / 16	05/07/2018	18HR351- Career Development	05/07/2018

			Skills-I 18HR472- Career Development Skills-II 18HR573- Career Development Skills-III 18HR674- Career Development Skills-IV	
MBA	MBA	07/03/2019	BA18121 HR18041 HR18042 HR18323 BA18411	07/03/2019
MCA	MCA	30/06/2018	MA18233 - Discrete Mathematics CA18315 - Information and Network Security CA18423 - Case Tools Lab MA16233 - Discrete Structures CA16315 - Information Security CA16423 - Mini Project	30/06/2018
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	B.E. – AUTO	15/03/2019
BE	B.E – CIVIL	18/06/2019
BE	B.E. – CSE	04/08/2018
BE	B.E. - ECE	12/05/2018
BE	B.E. – EEE	07/05/2018
BTech	B.Tech. - IT	14/07/2018
BE	B.E. – MECH	05/05/2018
MBA	MBA	05/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	B.E. – AUTO	13/07/2018
BE	BE – CIVIL	23/03/2019

BE	BE – CSE	04/08/2018
BE	BE – ECE	12/05/2018
BE	BE – EEE	07/07/2018
BE	BE – MECH	05/07/2018
BTech	B.Tech. – IT	14/07/2018
MBA	MBA	07/03/2019
MCA	MCA	30/06/2018

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
Primveara, STADD. Pro	11/10/2018	32
Matlab Simulation and Programming	20/05/2019	35
Digital Marketing	04/09/2019	52
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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
BE	B.E. - AUTO	36
BE	B.E. - CIVIL	11
BE	B.E. - CSE	9
BE	B.E. - ECE	73
BE	B.E. - EEE	16
BE	B.E. - MECH	40
BTech	B.Tech. - IT	2
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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

Curriculum Development: The autonomous status of the institution has academic flexibility in curriculum development in tune with the ever changing scenario and implementation process. Choice Based Credit system is offered in curriculum to provide freedom to the students to select courses on their own interests. The curriculum is made vibrant by the involvement of the stakeholders and experts in the concerned field of studies. The revision and redesign of

curriculum is based on recent developments and feedback from stakeholders. Our curriculum is enriched with research relevant contents and inbuilt with academic flexibility through periodic changes. In order to take timely corrective and improvement actions, a firm critical assessment system is also followed. Periodically received feedbacks from the various stake holders, our curriculum and syllabi has been upgraded on regular basis. Feedbacks received from industries have been accounted for the development of syllabi for specialized subjects like Bigdata and analytics, Cloud computing, Python Programming and software testing etc.,. Based on the faculty and BoS member's feedback, curriculum and syllabi is enriched with recent and innovative topics. Infrastructure development: The institution has excellent infrastructure with a built-up area of 64,423 sq.m in the shadow of green coconut trees and lawn. Infrastructure development of the college is improved as per modification in curriculum and placement requirements. Laboratories are equipped continually to meet the requirements of the curriculum and industry needs. Inside the campus, the facilities like, canteen, stationary shops with printing, bank with ATM, post office and health care centre with ambulance are available. A central library with 75000 volume of books, 400 journals, periodicals, audio and video resources, e-resources accessibility and the facilities are continuously updated and upgraded to meet the ever-changing demand of the industry and society. The infrastructure includes about 1419 computers with 100 Mbps Internet and Wi-Fi connectivity. Each programme of study with updated hi-tech laboratory, computer centers, department library and fully furnished seminar halls. Placement Opportunities: Based on feedback received from industries, special care has been taken while designing curriculum to improve placement opportunities. One credit courses are introduced to improve the skills of the student to meet the requirement of the industry. The outcomes of Infosys Campus Connect programme which is one of the industry institution partnership programme, industrial elective subjects have been added in to the curriculum. Teaching and Learning Based on feedback received from faculty, parents and students interactive teaching techniques, higher order thinking and investigation through class room practices like group discussion, debate, and internships are followed for students. Their technical skills and knowledge are updated by exposing them into various in-house programs, conferences, workshops, seminars, symposiums etc. Outcome Based Education (OBE) process is in practice, it probes into the adequate competence as well as continuous provision on development of the faculty. A transparent performance evaluation system has been adopted continuously and reviewed to provide enhancement in the Teaching -Learning process. The various elements considered for the feedback are • curriculum and syllabi, • Teaching and learning Process, • Content delivery,

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	AUTO	60	14	14
BE	CIVIL	120	18	18
BE	CSE	120	83	83
BE	ECE	120	32	32
BE	EEE	120	17	17
BE	IT	60	28	28
BE	MECH	180	29	29

MBA	MBA	60	59	59
MCA	MCA	60	3	3
ME	SE	18	18	18
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	218	125	174	57	33

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
231	181	4	15	5	4
[View File of ICT Tools and resources]()					
[View File of E-resources and techniques used]()					

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

The Mentoring system of our institution plays a vital role that experienced faculty members are involved in training students who are aspiring to enter the profession of engineering. Mentoring Program is an off shoot of counseling. We have introduced the mentoring programme for the all the students of the college as they are in their transitional period of life. Mentoring programme aims at strengthening the dynamics of caring, sharing and learning -knowledge, skills, attitudes, academic heights, personal growth and professionalism between the mentors and the students. The process of mentoring through the year commences with the nomination of the mentors from the respective departments, printing of the student record, getting acquainted with the student record Mentoring through the Year. Mentor are periodically conduct the meetings to improve the student performance. All the staff members are involved in the process of mentoring. The students are highly encouraged to meet their mentors during the course of the month. Nevertheless, students must meet their mentors once in a month during the allotted time given to them. The mentors are highly encouraged to refer the needy students for counseling and the counselor meets them and helps in their troubled areas of life. As a procedure, the counselor identifies the slow learners and takes extra care to that particular students in the form of special coaching. Mentors along with the mentees discuss the agenda and share their concerns that help them to have a positive understanding about the self and the other. At end of each semester the counselor collects the feedback from students, consolidated the feedbacks and submits a report the principal. Evidence of success is determined by the value outcome of the clients positive thinking, changing the maladaptive behaviors, developing selfhelp techniques, improvement in the academic results, developing healthy personalities and assuming family and social responsibilities. Thus, Counseling Centre is committed to nurture psychological healing and growth of the students, staff and the parents on campus.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
343	231	1:20

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
9	9	0	9	62

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.G.Singaravel	Professor	Distinguished Faculty, Venus International Foundation (VIFA -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	11,12,13,14,15,16	VIII/VI	10/04/2019	22/04/2019
BE	11,12,14,15,16	VI/III	30/04/2019	12/06/2019
BE	11,12,14,15,21,16	IV,II/II,I	02/05/2019	12/06/2019
BE	13	VI/III	06/05/2019	12/06/2019
BE	13	IV/II	30/04/2019	12/06/2019
BE	13	II/I	02/05/2019	12/06/2019
MBA	61	IV/II	03/05/2019	12/06/2019
MBA	61	II/I	28/05/2019	12/06/2019
MCA	62	IV/II	29/04/2019	12/06/2019
MCA	62	II/I	29/04/2019	12/06/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	5377	0

2.6 – Student Performance and Learning Outcomes

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

http://www.ksrce.ac.in/index.php/page?id=144&item=120

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
11	BE	AUTO	80	79	93.75
12	BE	CIVIL	156	154	98.72
13	BE	CSE	161	150	93.17
14	BE	EEE	105	101	96.19
15	BE	ECE	122	107	87.7
16	BE	MECH	265	238	89.81
61	MBA	Business Administration	52	49	94.23
62	MCA	Computer Applications	61	61	100
33	ME	CSE	7	7	100
34	ME	CEM	13	13	100
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2.7 – Student Satisfaction Survey

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

http://www.ksrce.edugrievance.com/

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr.V.Revathi	Participated in ICSBM 2019	15/08/2019	University of Technology in Eindhoven, The Netherland.
National	Dr.P.Anitha	External Jury for one Day National Conference on Big Data Business Analytics	29/03/2019	M.Kumarasamy College of Engineering
International	Dr.P.Anitha	Session Chair for International Conference on	09/10/2018	Dr.N.G.P. Arts and Science

		Research Trends in Computing Technologies on Networking Session		
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3.2 – Resource Mobilization for Research

3.2.1 – 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)	30	PALS	0.05	0.05
Any Other (Specify)	7	DST – NIMAT	0.32	0.32
Any Other (Specify)	2	ICMR	0.4	0.4
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

1

3.3 – Innovation Ecosystem

3.3.1 – 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
NHRC – National Human Rights Commission, New Delhi	MBA	31/10/2018
Management in Tamil GEM Award	MBA	11/01/2019
National Level Management Meet "Fachmann-2k19"	MBA	25/01/2019
Seminar on modern practices in construction	Civil Engineering	15/02/2019
One Day Seminar on Digital Banking Marketing	MBA	19/03/2019
Seminar on smart planning and vasthu	Civil Engineering	01/08/2018
Seminar on highway bridge construction in Kanchipuram district	Civil Engineering	13/08/2018
Seminar on Big-data Analytics, Artificial Intelligence, Machine learning and Deep	Information Technology	31/10/2018

Learning		
Guest lecture	MBA	10/08/2018
Digital Marketing	MBA	28/08/2018
Emerging Management Paradigm In Global Business	MBA	05/10/2018

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3.3.2 – 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
Distinguished faculty	Dr.G.Singaravel	Venus International Foundation (VIFA-2018)	07/07/2018	Teacher
National	Dr. S. Senthilkumar	Certification of Appreciation from EDCA (Erode District Civil Engineers Association)	15/09/2019	Teacher
National	Dr. V.Revathi	Certification of Appreciation from EDCA (Erode District Civil Engineers Association)	15/09/2018	Teacher
National	Department of Civil Engineering	Ultra Tech Award 2018 ICI (Salem	18/12/2018	nstitution

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3.3.3 – 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
NIL	NIL	NIL	NIL	NIL	31/12/2019

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Automobile Engineering	2
Civil Engineering	4
Computer Science and Engineering	4
Electronics and Communication Engineering	8
Electrical and Electronics Engineering	1
Information Technology	3
Mechanical Engineering	1

English	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	English	1	5.87
International	all branches	77	4.13
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Civil Engineering	33
Computer Science and Engineering	16
Electronics and Communication Engineering	37
Electrical and Electronics Engineering	28
Mechanical Engineering	55
English	1
Physics	2
Chemistry	3
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
A wheezing Detecting Device	Published	201841036882	28/09/2018
Vehicle Braking System in Hill Station	Published	201841038947	14/10/2018
A Simple and Effective Device for Detecting and Diagnosing the Earlier Diabetes and Thyroid Abnormal	Published	201941013976 A	08/04/2019
Intelligent double tail comparator for analog to digital convertor	Filed	201941010870	12/03/2019
A Smart intelligent bio degradable waste extractor	Filed	201941010871	12/03/2019
Intelligent Secure and safety system for the welfare of the women society	Filed	201941022431	06/08/2019

A Wheezing Detecting Device	Published	201841036882A	12/10/2018
Wireless Vehicle Movement and density monitoring with substitute route suggestion	Published	201941004801	07/02/2019
Vehicle Braking System in Hill Station	Published	201841038947	14/10/2018
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3.4.5 – 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
Review on diverse approaches used for epileptic seizure detection using EEG signals	K.Bhaskar	Bangladesh Journal of Medical Science	2018	1	K.S.R College of Engineering	0
Microstructure and mechanical properties of fly ash particulate reinforced AA8011 aluminum Alloy composites.	S.Magibalan P.Senthilkumar C.Senthilkumar R.Palanivel M.Prabu	Materials Testing	2018	3	K.S.R College of Engineering	3
Dry sliding behavior of the aluminum alloy 8011 composite with 8 fly ash.	S.Magibalan P.Senthilkumar C.Senthilkumar M.Prabu	Materials Testing	2018	5	K.S.R College of Engineering	0
Wire electrical discharge machining of AA6063-TiC particle	S.Saravanan P.Senthilkumar M.Ravichandran N.Shivasankaran	Materials Research Express	2018	3	K.S.R College of Engineering	3

reinforced metal matrix composites using Taguchi method					

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3.4.6 – 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
Influence of fiber length, fiber content and alkali treatment on mechanical properties of natural fiber-reinforced epoxy composites	M.Bhuvaneshwaran	Polimery	2019	0	0	K.S.R.College of Engineering
Segregation of Degradable and Non Degradable using Sensor	N.S.Nithya	Revista de la Facultad de Agronomia	2018	0	0	K.S.R.College of Engineering
Detecting malicious nodes using data aggregation protocols in wireless sensor networks	P.Balamurugan	Int. journal of Engineering and Technology	2018	0	0	K.S.R.College of Engineering
Haphazard, Enhanced Haphazard and Personalized Anonymization for Privacy Preserving	G. Singaravel	Inderscience	2018	0	0	K.S.R.College of Engineering

Data Mining on Sensitive Data Sources'						
Fair service matching agent for fe derated cloud	N.S.Nithya	Elsevier	2019	0	0	K.S.R.College of Engineering
Potential Reuse of Treated Textile Effluent in Fly Ash Concrete	Ramya.P	ASTM Journal of Testing and Evaluation	2019	0	0	K.S.R.College of Engineering
Mechanical and thermal behavior of hybrid glass/jute fiber reinforced composites with epoxy /polyester resin	R.Venkatachhalam	Polimery	2019	0	0	K.S.R.College of Engineering
Recognition of tamil handwritten character using modified neural network with aid of elephant herding optimization	Dr.P.S.Periasamy	Multimedia Tools and Applications	2019	0	0	K.S.R.College of Engineering
Hybrid Parallel Linguistic Fuzzy Rules with Canopy MapReduce for Big Data Classification in Cloud	A.RajivKannan	Springer	2019	0	0	K.S.R.College of Engineering

Investigation on impact properties for glass fiber, jute fiber and hybrid glass/ jute reinforced composites manufactured by hand layup and vartm process for automobile application	R.Venkatachalam	Journal of the Balkan Tribological	2019	0	0	K.S.R.College of Engineering

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	34	267	8	135
Presented papers	153	61	0	0
Resource persons	4	1	0	10

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Civil Engineering	Material and Field Testing for construction of various structures	Government Sectors Private Agencies	374100
CSE	JIPMER Exam	Tata Consultancy Services Limited, Mumbai IIT Madras	71901
CSE	GATE Online Exam	Tata Consultancy Services Limited, Mumbai	159750
CSE	PG NEET and TCS BPS Online Exam	Tata Consultancy Services Limited, Mumbai.	58300
CSE	TCS Open Ignite Exam	Tata Consultancy Services Limited	20100

CSE	NPTEL Exam	Tata Consultancy Services Limited	20000
CSE	RRC Online Exam	Aptech Ltd	82580
Electronics and Communication Engineering	Design and Testing of RF and Microwave Antenna	ACCEM Industries Pvt Ltd	25000
Electrical and Electronics Engineering	Energy Auditing in sun board Industries	Sun Board Industries	45000
Dr. P.Senthilkumar PI	Design and Manufacturing of Auto Ancillary parts.	Thirumurugan Industries	101150
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
NIL	NIL	NIL	0	0
No file uploaded.				

3.6 – Extension Activities

3.6.1 – 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
Blood Donation Camp	YRC/RRC	12	190
Tree Plantation	NSS	15	100
Combined Annual Training Camp at KSR College of Technology, Tiruchengode conducted by Ministry of Defense	NCC	1	36
Basic Leadership Camp	NCC	1	4
A 10 day Odisa Costal Trekking Camp	NCC	1	5
NCC 'B' – Certificate examination	NCC	1	39
NCC 'C' – Certificate examination	NCC	1	21
A 30 Day NCC Officer Refresher	Ministry of defense	1	0

Training Course at NCC Officer's Training Academy, Kamptee, Nagpu	

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3.6.2 – 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
Combined Annual Training Camp	Training Certificates	Ministry of Defence	36
Basic Leadership Camp	Training Certificates	Ministry of Defence	4
A 10 day Odisa Costal Trekking Camp	Training Certificates	Ministry of Defence	5
Blood donation camp	Donors Certificates	Govt. Hospital, Salem	211
NCC 'B' – Certificate examination	NCC – B certificates	Ministry of Defence	39
NCC 'C' – Certificate examination	NCC – C certificate	Ministry of Defence	21

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3.6.3 – 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
Swachh Bharat	Government school	campus cleaning	5	60
Blood donation camp	KSRCE	Blood donation	5	211
Cyclone GAJA relief work at Puthukottai	KSRCE	cyclone relief	5	40
Clean India Program (Swachh Bharath Mission) at SPB Colony.	KSRCE	General Awareness	5	100

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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Knowledge Transfer	7 students	NVIDIA Super Computer Lab for	3

		Deep Learning in BENNETT University, Noida			
Knowledge Transfer	3 faculty	NVIDIA Super Computer Lab for Deep Learning in BENNETT University, Noida			3

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3.7.2 – 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
Training	Internship	IIT Madras RuTAG - PALS	10/06/2018	09/07/2019	V. Sabarinathan
Training	Internship	Tamil Nadu Newsprint and Papers Ltd	13/06/2018	12/07/2018	C. Kavin Thanavel
Training	Internship	Tamil Nadu Newsprint and Papers Ltd	13/06/2018	12/07/2018	S. Karthikar avind
Training	Internship	Tamil Nadu Newsprint and Papers Ltd	13/06/2018	12/07/2019	V.Harish
Training	Internship	IIT Madras RuTAG - PALSers Ltd	13/06/2018	12/07/2018	P.R.Jeevath
Training	Internship	IIT Madras RuTAG - PALS	13/06/2018	12/07/2018	V.P. Saisurya
Training	Internship	Renault Nissan Automotive India Pvt.Ltd.	18/05/2018	11/07/2018	S. Naganathan
Training	Internship	Procos Mechatronics Pvt.Ltd.	14/06/2019	13/07/2019	K. Manoj
Project	Rejection Reduction in TU CAM Shaft Bearing	Sundaram – Clayton Limited	26/11/2018	28/02/2019	N.Senthilkum ar
Project	Intelligent Braking System	TVS Training Services	01/01/2019	31/03/2019	B.Madaswamye ranjit

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Universiti Teknologi Malaysia (UTM), Malaysia	16/10/2018	Suggestion to improve the academic performance of school of computing ("ALIAS Research Grouo")	1
Dongguk University, South Korea	19/03/2019	Visit by and exchange graduate students, faculties and Ph.D scholars for study and research	1
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

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
125	82.03

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
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation

| LibMan 1.1 | Fully | 1.1 | 2001 |

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	77954	28695662	661	261395	78615	28957057
Reference Books	5256	4860583	26	14279	5282	4874862
e-Books	45800	254900	0	0	45800	254900
Journals	357	931536	0	0	357	931536
e-Journals	10083	1178166	105	68235	10188	1246401
Digital Database	1	0	2	0	3	0
CD & Video	5534	0	10	0	5544	0
Library Automation	1	0	0	0	1	0
Others(specify)	212	27938	0	0	212	27938

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NIL	NIL	NIL	31/12/2019

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1424	35	124	1	2	2	9	124	0
Added	100	1	0	0	0	0	0	0	0
Total	1524	36	124	1	2	2	9	124	0

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

120 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
IEEE ONLINE RESOURCE	www.ieeexplore.ieee.org
ASCE ONLINE RESOURCE	www.ascelibrary.org
SPRINGER LINK ONLINE RESOURCE	www.springerlink.com

PROQUEST ONLINE RESOURCE	https://search.proquest.com/200814
EBSCO Engineering Core ONLINE RESOURCE	https://search.ebscohost.com
ASIAN JOURNAL OF MANAGEMENT CASES	http://online.sagepub.com
JOURNAL OF EMERGING MARKET FINANCE	http://online.sagepub.com
JOURNAL OF ENTREPRENEURSHIP	http://online.sagepub.com
MANAGEMENT AND LABOUR STUDIES	http://online.sagepub.com
INTERNATIONAL JOURNAL OF DATA MINING EMERGING TECHNOLOGIES	www.Indianjournals.com
POWER ENGINEERS JOURNAL	www.Indianjournals.com
JOURNAL OF DIGITAL INFORMATION MANAGEMENT	http://www.dline.info
JOURNAL OF INFORMATION SECURITY RESEARCH	http://www.dline.info
JOURNAL OF NETWORKING TECHNOLOGY	http://www.dline.info
youtube channel - ksrcecseedu	https://www.youtube.com/channel/UCGDPV8kjfoQDt_tyOE-Myzw

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
287.5	185.78	386	436.09

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)

- The college has maintenance committee that oversees the maintenance of buildings, classrooms and laboratories. • The maintenance committee is efficiently organizes the workforce for maintaining physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms, etc. in periodical manner. The maintenance team of the college conducts periodic checks to ensure the efficiency / working condition of the infrastructure. • Adequate in - house staff is employed to meticulously maintain hygiene, cleanliness and infrastructure on the campus so as to provide a congenial learning environment. Classrooms, Staffrooms, Seminar halls and Laboratories, indoor stadium, etc are cleaned and maintained regularly by Non - teaching staff assigned for blocks / buildings. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. The Green Cover of the campus is well maintained by a full time gardener. • Optimum working condition of all properties/ equipment on the campus is ensured through annual maintenance work (AMW). The AMW purview includes maintenance of Generator, Air Conditioners, CCTV cameras and Water Purifiers. The College has trained in-house electricians and plumbers. • Lab assistants / technicians under the supervision of the System administrator maintain the efficiency of the college computers and accessories. • Parking facility is well organized. It is efficiently maintained by the college maintenance committee. • The campus maintenance is monitored through surveillance Cameras. • Every department maintains a stock register for the available equipment. • Proper inspection is done and verification of stock takes place at the end of every year. • The civil and electrical work is adequately monitored and maintained by the Estate

office. • Periodic reporting on requirements of repairs and maintenance are submitted by the HODs to the principal office. The requirements are collectively processed in every semester-break or then and there so as to keep things ready for the new semester. • Pest Control of library books and records is done every semester by the library maintenance team. • Estate officer and his team are involved in the maintenance of infrastructure facilities. This team looks after the regular maintenance of civil works such as furniture repairs, masonry and plaster works, painting, carpentry, plumbing and house-keeping. • The non-teaching staff is also trained in maintenance of science and computer equipment. • Besides, the respective block in-charges are requested to report about the progress of the workers look after the maintenance of rest rooms, approach roads and neatness of the entire premises. Housekeeping services are regularly executed and monitored.

http://www.ksrce.ac.in

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	Sports and Poor income Scholarship	561	6998075
Financial Support from Other Sources			
a) National	BC/MBC/BCM/SC/ST Scholarships, First graduate	2811	41012425
b)International	nil	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft Skills	30/06/2018	41	APT Training
Soft Skills	31/08/2018	29	APT Training
Soft Skills	06/09/2018	37	Six Phase Training
Soft Skills	27/12/2018	77	Rubicon Training
Soft Skills	06/02/2019	6	TNSDC Training
Soft Skills	07/07/2018	97	T2S Training
Soft Skills	08/12/2018	35	Six Phase Training
Soft Skills	06/12/2018	36	APT Training
Soft Skills	03/01/2019	80	Rubicon Training
Soft Skills	17/12/2018	144	Internal faculty
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited	Number of benefited	Number of students who	Number of studentsp placed

		students for competitive examination	students by career counseling activities	have passedin the comp. exam	
2018	Rubicon Traiaining, APT Training, TNSDC Training, T2S Training, Six Phase Training	0	2201	0	671
2019	Awareness Program on UPSC &TNPSC, Program on How to Stay Beyond Competitive 2020 and Awareness Program on GATE UPSC & Studies in Abroad	450	0	0	0
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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
0	0	0

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
AARBEE STRUCTURES,OFS and SAMSUNG etc.,	2235	179	ABI SHOWATECH (INDIA) LTD,TCS NINJA and INFOSYS (TNSLPP) etc.,	2535	253
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme

	enrolling into higher education					admitted to
2018	85	B.E.	CSE,ECE,EEE. MECHANICAL AND IT	Kongu Engineering College, PSG College of Technology, Sona college of Engineering and SRM institute of Science and Technology etc.,		ME AND MBA

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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	21

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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
KHO - KHO	Zonal level	108

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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
2018	Coimbatore TrophyTrophy (I Prize)	National	1	0	1721039	S. Surya
2018	Anna University Zonal Winner (I Prize)	National	1	0	1721009	K. Gowtham
2018	State Level KCT Tournament (Runner II Prize)	National	1	0	1721009	K. Gowtham
2018	State Level CIT trophy (Runner II Prize)	National	1	0	1721009	K. Gowtham

2018	Thiyagaraja Trophy (III Prize)	National	1	0	1721009	1K. Gowtham
2019	TamilNadu Youth trophy (I Prize)	National	1	0	1721009	K. Gowtham
2019	State Level Tournament KCT (II Prize)	National	1	0	1721036	R. Selva
2019	Anna University Zonal Level Tournament (III Prize)	National	1	0	1721036	R. Selva

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

• The Student activities through Chapters Such as ISHRAE, SAE, ICTACT, CSI, IEEE, PALS-IIT Madras, IIC Chapters and also Other chapters functions to motivate the students to participate in Events, Design Contest, Projects, Workshops etc. • These Student Chapters also develops the Leadership quality of the students and to prove their talents through different contest. • Various programs like paper presentations, workshops and seminars are organized by these bodies every year. • Each council has a representative council, which is called Class Committee and includes student members also involved BOS committee. • Coordination in organizing Cultural events • Coordination in organizing Sports Games for the students • Coordination in arranging Industrial Visits for the students • Coordination in inviting the external guest speakers and organizing the Seminars Workshops.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of registered Alumni:

0

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

1000

5.4.4 – Meetings/activities organized by Alumni Association :

In 30/09/2018, 135 students attended the Alumni meet at CHOCSIT Court. In 24/02/2019 FN, 118 students attended the Alumni meet at CHOCSIT Court. In 24/02/2019 AN, 85 students attended the Alumni meet at CHOCSIT Court. In 25/01/2019, 127 students attended the Alumni meet at Mechanical Seminar Hall.

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)

Participative Management The college promotes the participative management. The principal, in turn discusses the academic related matters with the Heads of the department and a decentralized functioning mechanism empowers the departments with a great level of flexibility in academic administration. ? Participative management is encouraged by including Heads of the Department/Senior faculty members in statutory bodies such as Governing Council, Academic Council, Finance Committee, Board of Studies, Disciplinary Committee, Anti Ragging Committee, etc. ? Faculty members are involved in the institution level and department level activities. ? Students are participating in the intra and inter departmental, and College level activities such as teaching-learning, organizing functions, industrial visits, in-plant training, Clubs and welfare activities. ? Alumni members are participating in Board of Studies, Result Passing Board Meeting, Placement Training to the students and deliver Guest lecturers to share their expertise

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
Admission of Students	• The College strictly adhere to the guidelines issued by the AICTE, Govt. of Tamil Nadu, Directorate of Technical Education and Anna University in the admission process • In B.E./B.Tech., 65 of seats are admitted through Counselling by Single Window System conducted by DOTE. Remaining 35 seats are admitted through Management Quota. • For PG Programmes such as MBA, MCA M.E/ M.Tech programmes, 50 seats are filled by Government Quota and the remaining 50 by Management Quota. Admission for Management quota is done as per the procedures of Consortium of Self Financing Professional, Arts Science Colleges in Tamil Nadu. Scholarships are also provided to the meritorious students on various schemes to help socially backward and economically backward students to get into the engineering education.
Industry Interaction / Collaboration	• Signing MOUs with good companies • Designing of industry based curricula and syllabi. • Students and faculty are empowered with industrial knowledge by strengthening the interaction with industry through In-plant training, industrial visits, projects,

	consultancy, value added courses, professional certification courses, guest lectures etc. • Centres of Excellence for hands on learning and one credit courses handled partly by industry experts and partly by the internal faculty. • Industry expert personnel as BoS members involved in the revision of curriculum and syllabus. • Project Proposals submitted to various funding agencies in collaboration with industries.
Human Resource Management	• Faculty and Staff are encouraged to participate in self-development programmes. • Providing employees with individual and family welfare schemes. • Administration supports to faculty, staff and students with necessary and relevant support to optimize their work. • Faculty members are assigned responsibilities to organize curricular, co-curricular and extra-curricular activities. • Assessing performance through annual self-appraisal for promotion and incentives. • Motivating faculty members to undertake training in national level reputed institutions like IIT, IISC NIT etc., for enhancing their quality of teaching and research. • Managing student affairs, student grievances and requirements through class committee, personal counselling and student association activities.
Library, ICT and Physical Infrastructure / Instrumentation	• Well stacked central library • Active readers club is started to encourage the students to improve their reading habits. • Computerized student entry system. • The physical infrastructure of the Library has been enhanced through various sections like Lending Section, Reference Section, GATE Section, Journal Section, Group Discussion Rooms and Civil Services Study Centre. • For e-learning Multimedia Library is available. • Specialized Software tool is used for transactions and tracking. • Journal section and e-Journals of major professional bodies and publishers are available. • 24x7 Wi-Fi Facility.
Research and Development	• 09 departments of KSR College of Engineering are Approved Research Centre's of Anna University, Chennai. • Under this Centre there are 30 Research Supervisors guiding the scholars in various disciplines. • 20 scholars

		awarded with Ph.D. degree and 159 scholars are currently pursuing the Research. • Efforts are being taken to obtain research projects and grants from funding agencies. • Encouraging faculty members to interact with industries to address real-world problems. • Creating opportunities for interested students in research activities. • Encouraging innovations, research publications and facilitating the protection of Intellectual Property Rights (IPR). • Providing On-duty to the staff and students for presenting research papers in State, National and International level Conference, Seminar and Symposium.
	Examination and Evaluation	• Continuous evaluation through different modes like internal assessment, assignments, presentations, projects etc. • Question papers are verified for Bloom's level and distribution of questions. • Collecting feedback on question paper from subject experts and also faculty handling the course to improve the quality of questions. • Conducting Central valuation for end semester examinations. • Evaluation of answer scripts by the experienced examiners. • Result processing is fully computerized and published on college website. • Provisions for the request of re-totalling / revaluation of answer scripts of end semester examinations within the stipulated period.
	Teaching and Learning	• The college has the strategy of including inputs from expert of various industries and academic institutions to improve the teaching-learning process. • Systematic deployment of the courses using design documents, such as ? Conventional lectures ? Power point and Video presentations ? Demonstrations and hands on training ? Special lectures by subject experts ? Laboratory based demonstration ? Project based Learning ? Smart class room based teaching ? Self learning through Faculty prepared materials NPTEL Courses ? Activity based learning (Seminar, Group Discussion, Mini Project…) • The course on teaching pedagogy is conducted on need basis to adopt innovation in teaching and learning. • The college has a feedback mechanism to evaluate the teachers and

	feedback is reviewed once in six months. • Special classes for slow learners to improve their performance. • Coaching is given for students to prepare for competitive examinations.
Curriculum Development	• Curriculum development is done based on the inputs from all the stakeholders. • Industry requirements are also considered while framing the curriculum. • Greater emphasis on design oriented teaching. • Greater exposure to industrial and manufacturing processes. • Outmoded technologies are replaced by new appropriate and emerging technologies. • Greater emphasis given to professional communication skills. • Subjects related to life science are also included. • Choice Based Credit System to enable students to select subjects. • Electives are included in the curriculum based on area or module specialization. • Mathematics, Physics and Chemistry are department specific. • Outcome Based Education (OBE) system is being implemented effectively. • Provision of one credit courses and Value Added Courses. • Improving the student evaluation process by following the Bloom's Taxonomy.

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

E-governace area	Details
Planning and Development	Implemented in the year 2018 and the link of relevant website / document is http://ecampus.ksrce.ac.in/ecampus/
Administration	Implemented in the year 2018 and the link of relevant website / document is http://ksrce.ac.in/index.php/page?id30item10
Finance and Accounts	Implemented in the year 2018 and the link of relevant website / document is http://ksrce.ac.in/index.php/page?id443item141
Student Admission and Support	Implemented in the year 2018 and the link of relevant website / document is http://ksrce.ac.in/index.php/page?id352item322
Examination	Implemented in the year 2018 and the link of relevant website / document is http://ksrce.ac.in/index.php/page?id68item48

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
2019	Dr.S.Periyasamy	Bennett-NVIDIA Centre of Excellence for Artificial Intelligence NVIDIA Super Computer Lab for Deep Learning.	KSRCE	3000
2019	Dr.S.Nithya Kalyani	Bennett-NVIDIA Centre of Excellence for Artificial Intelligence NVIDIA Super Computer Lab for Deep Learning	KSRCE	3000
2019	Dr.G.Singaravel	Bennett-NVIDIA Centre of Excellence for Artificial Intelligence NVIDIA Super Computer Lab for Deep Learning	KSRCE	3000
2019	Dr.P.Sudha	Geotechnical Aspects of Earthquake Engineering	KSRCE	500
2019	Dr.V.Revathi	Performance Evaluation and Life Enhancement of Structures (eLIFE-2018)	KSRCE	10000
2018	Mr.M.Anbalakan	Refrigeration and Air Conditioning	KSRCE	3000
2018	Mr.N.Vivek	Refrigeration and Air Conditioning	KSRCE	3000
2018	Mr.S.Vinothkumar	Physical Simulation of Thermo-Mechanical Process-Analysis and	KSRCE	3000

| 2018 | Mr.P.Rasagopal | Initiating UBA activities in village clusters adopted by participating Institutes | KSRCE | 2592 |
| 2018 | Dr.R .Eswaramoorthi | PALS: FDP on building energy analysis and its associates challenges | KSRCE | 2374 |

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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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)
2019	Problem Based Learning (ICTSPL)	nil	11/02/2019	15/02/2019	48	0
2019	National Board of A ccreditati on	nil	22/04/2019	26/04/2019	34	0
2019	nil	Workshop on "Electr onics Equipment Service"	08/03/2019	08/03/2019	0	20
2018	FDTP on Circuit Theory	nil	26/11/2018	08/12/2018	25	0
2019	nil	One day workshop on "Working with MS-Office Tools"	06/02/2019	06/02/2019	0	20
2018	Big data Analytics , Artificial Intelligen ce, Machine	nil	31/10/2018	31/10/2018	10	0

| | 2019 | Python And Software Testing | nil | 13/03/2019 | 13/03/2019 | 12 | 0 |
| | 2019 | AWS cloud Program | nil | 26/03/2019 | 26/03/2019 | 30 | 0 |

| learning and Deep Learning | | | | | | | |

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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
STTP on Transmission Distribution	8	04/12/2018	10/12/2018	7
Workshop on Data science and machine learning with python	5	01/02/2019	02/02/2019	2
Problem solving and Programming In C	2	22/04/2019	26/05/2019	5
QIP Short term course on 'Finite Element Method Application in Civil Engineering' at Indian Institute of Technology, Bombay	3	20/05/2018	24/05/2018	5
One day workshop on OUTCOME BASED EDUCATION (OBE)	6	01/11/2018	01/12/2018	1
Optical diagnostics: An indispensable tool combustion research by PALS IIT Madras	2	20/09/2018	20/09/2018	1
IEEE XPLORE DIGITAL LIBRARY TRAINING	8	04/07/2018	04/07/2018	1
How to write a Successful	2	21/07/2018	21/07/2018	1

Project Proposal to Funding				
One day Workshop writing Successful Proposal to Funding	2	31/08/2018	31/08/2018	1
How to write High Impact Journal Papers	2	10/08/2018	10/08/2018	1

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
6	0	3	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• Contribution for Employees Provident Fund (EPF) • School Admission to the Wards with fee concession • Medical Insurance • Staff Club • Incentive for Consultancy and Research Activities • Free Transport Facility • Guest House for visiting faculty • Casual and Medical Leave • On Duty and Seed Money • Special On Duty • Vacation Leave • Maternity Leave scheme • Quarters Facility • Hygienic Canteen Facilities • Post Office and Bank Facilities in the campus. • 24x7 Hospital • Safety and Security personnel	• Contribution for Employees Provident Fund (EPF) • School Admission to the Wards with fee concession • Medical Insurance • Staff Club • Incentive for Consultancy and Research Activities • Free Transport Facility • Guest House for visiting faculty • Casual and Medical Leave • On Duty and Seed Money • Special On Duty • Vacation Leave • Maternity Leave scheme • Quarters Facility • Hygienic Canteen Facilities • Post Office and Bank Facilities in the campus. • 24x7 Hospital • Safety and Security personnel	• Free Transport Facility. • Participation in Co-curricular and Extra Curricular Activities. • Medical Insurance for students and Parents. • Hygienic Canteen Facilities. • 24x7 Hospital. • Post Office and Bank Facilities in the campus. • Safety and Security personnel. • Student Counselling. • Sports and Gym Facilities. • Library Book Bank.

6.4 – Financial Management and Resource Mobilization

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

Yes. The college has the mechanism for internal and external audit as per details given below: Every year, budget is prepared well in advance after taking into consideration of the requirements of administrative and developmental activities of every department. The budget is reviewed by the management and approved after necessary changes. The institution has internal and external auditors to monitor and verify the financial transactions and to do the financial audit. Qualified Internal Auditors have been permanently appointed and a team of staff under them do a complete check and verification

of all vouchers and bills of the transactions that are carried out in regularly. In addition to this, the external auditors also verify the entire Income and Expenditure and the Capital Expenditure of the Institute and the audit is carried out on an elaborate way every financial year. The institutional accounts are audited regularly by both Internal and statutory audits. Financial audits are conducted by a certified auditor every financial year to verify the compliance with established financial processes.

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
KSRCE, M.G.B Electronics AMC Super Speciality Hospital,Tirupur,Sree Vari Builder India Pvt Ltd,Tirupur Tony Guy, Coimbatore,City Electricals,Sri Krishna Engineering Equipments,Erode,VAMBSK Nirmala Agencies, Coimbatore,Sri Shivaram Borewells,etc.,	1153195	conducting conferences, seminar, workshop and purchase of equipments.

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6.4.3 – Total corpus fund generated

484000

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	Experts from other Academic Institution	Yes	IQAC
Administrative	Yes	Charted Accountant	Yes	IQAC

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

S.No. Name of the Department Date of Parents meeting 1. Automobile 26.02.2019 2. Civil Engineering 15.09.2018 3. CSE 19.10.2018 4. ECE 15.09.2018 5. EEE 03.02.2019 6. IT 09.02.2019 / 16.02.2019 7. MECH 26.02.2019 8. MBA 15.09.2018 9. MCA 19.10.2018

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

? Permission is granted to do higher studies and to attend skill development programmes in their respective fields. ? Provision for part-time study for staff members. ? Staff development programmes are conducted. ? Soft skills training programmes are also provided to the supporting staff members

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

Got the NBA accreditation for the two departments namely ECE and CSE. Alumni sponsored project laboratory was developed by EEE and ECE. Smart class room

specialty was developed for all the departments in the institution. Aspire systems and Block chain laboratory was developed by CSE department.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	No
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
2018	Guest lecture programme on "NAAC Accreditation and its importance "	12/10/2018	12/10/2018	12/10/2018	200
2019	Workshop on "outcome based education – PO CO Calculations"	01/03/2019	01/03/2019	01/03/2019	175
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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
Yoga Program	31/08/2018	31/08/2018	50	200
Induction Program	01/09/2018	01/09/2018	85	95
Electoral Literacy club	09/11/2018	09/11/2018	45	105
Pledge for Voter's Day	25/01/2019	25/01/2019	10	40
Women's Day Celebration	08/03/2019	08/03/2019	110	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
About 13 of power utilization through Solar Energy and Energy Conservation

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries

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

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	30/07/2018	01	Tree Plantation	Eco-friendly	30
2018	1	1	19/09/2018	01	Blood Donation Camp	Health	50
2018	1	1	09/12/2018	01	Isha Program	Social	30
2019	1	1	15/02/2019	01	Blood Donation Camp	Health	60
2019	1	1	19/02/2019	01	Temple Festival	Societal	20
2019	1	1	21/02/2019	01	Special Camp	Environmental	50
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Vol. I: Human Resource Policy Manual	02/07/2018	1. All communication to the stakeholders contains their respective policy manual information. 2. Institute website has been updated with all policy manuals.
Vol. II: Disciplinary Policy Manual for Students	02/07/2018	1. All communication to the stakeholders contains their respective policy

		manual information. 2. Institute website has been updated with all policy manuals.
Vol. III: Training and Placement Policy Manual	02/07/2018	1. All communication to the stakeholders contains their respective policy manual information. 2. Institute website has been updated with all policy manuals.
Vol. IV: Anti-Ragging Policy Manual	02/07/2018	1. All communication to the stakeholders contains their respective policy manual information. 2. Institute website has been updated with all policy manuals.
Vol. V: IQAC Policy Manual	02/07/2018	1. All communication to the stakeholders contains their respective policy manual information. 2. Institute website has been updated with all policy manuals.
Vol. VI: Research Promotion Policy Manual	02/07/2018	1. All communication to the stakeholders contains their respective policy manual information. 2. Institute website has been updated with all policy manuals.
Vol. VII: Consultancy Policy Manual	02/07/2018	1. All communication to the stakeholders contains their respective policy manual information. 2. Institute website has been updated with all policy manuals.
Vol. VIII: IPR Policy Manual	02/07/2018	1. All communication to the stakeholders contains their respective policy manual information. 2. Institute website has been updated with all policy manuals.
Vol. IX: Library Policy Manual	02/07/2018	1. All communication to the stakeholders contains their respective policy manual information. 2. Institute website has been updated with all policy manuals.
Vol. X: Information Technology Policy Manual	02/07/2018	1. All communication to the stakeholders contains

		their respective policy manual information. 2. Institute website has been updated with all policy manuals.
Vol. XI: Energy and Environment Policy Manual	02/07/2018	1. All communication to the stakeholders contains their respective policy manual information. 2. Institute website has been updated with all policy manuals.
Vol. XII: Hostel Policy Manual	02/07/2018	1. All communication to the stakeholders contains their respective policy manual information. 2. Institute website has been updated with all policy manuals.
Vol. XIII: Grievance Policy Manual	02/07/2018	1. All communication to the stakeholders contains their respective policy manual information. 2. Institute website has been updated with all policy manuals.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Management Program on 'Values and Ethics in life'	13/09/2019	13/09/2019	198

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

? Installed solar street light in the campus.
? Prepared vermin compost from the tree foliage.
? Plastic-free campus.
? Replaced florescent, CFL lamps with LED lamps.
? Outside vehicles and students vehicles are not allowed inside the campus.
? Green garden area increased.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Title: Effective Learning through Efficient Teaching Objectives ? To develop interactive class room teaching to bring out inherent academic knowledge of the students. ? To provide learning materials and assessment of learning. ? To offer hands on experience.

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

http://www.ksrce.ac.in

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

? K.S.R College of Engineering is recognized for its meritorious students and efforts towards continual improvements with regard to its core vision of student-centered, practically focused quality-learning experience. ? College being a most excellent educational institution prepared to meet the challenges of arapidly changing technical world, the primary focus of the institute is excellence in core mission activities of teaching. ? Institution maintains its distinctiveness by blending technology with class room teaching. ? College has upgraded the teaching learning process through installation of more ICT enabled smartclassrooms. ? More numbers of faculty and students are attending SWAYAM/NPTEL online courses and competitive examination assistance like GATE, TOEFL, GRE, TANCET, TNPSC, etc. provided to the students those who are interested in higher studies in India and Abroad. ? Infrastructure is continuously upgraded at each level such as basic level electricity, Internet service, routers,modems, and personnel to maintain the network.

Provide the weblink of the institution
http://www.ksrce.ac.in/

8.Future Plans of Actions for Next Academic Year

? Improving the staff Quality by making them to participate for various skill development programs. ? Improving the placement opportunities by improving the Technical skills. ? To increase the number of students to appear for the GATE, GRE and TOEFL examinations. ? To introduce certificate programs/self-learning courses and study abroad programs. ? To encourage faculty to adopt ICT enabled innovative teaching/evaluation methods. ? To motivate faculty to enrol/complete doctoral programmes obtain research guideship and submit the research proposals to funding agencies. ? To motivate faculty and students to participate in extension activities with Government Organisations and Non-Government Organisations.