Yearly Status Report - 2019-2020

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	**Self financed**
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/AQAR%202018-19.pdf**

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%20Calender%202019-20.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
Quantitative Aptitude Training for Placement prospects	14-Feb-2020 10	523
Optimizing Soft Skills for Placement Prospects	12-Aug-2019 4	145
workshop on Outcome Based Education	01-Oct-2019 1	200
Science Day	28-Feb-2020 1	300

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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	2020 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	No

funding from any of the funding agency to support its activities during the year?	

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

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

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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 strengthen the extracurricular activities through clubs and societies in the college.	NSS, YRC/RCC and NCC were organized various activities such as Blood donation, social awareness programmes and conducted camps in the adopted village. These activities have made to build the social responsibilities among the students.
To create awareness about the higher education opportunities to the students.	Awareness programmes such as "Future Education in Abroad" and "Opportunities in Higher Education in overseas" were organised.
To conduct Academic Audit.	The Academic Audit both Internal and External is being conducted periodically.
To create awareness about the Industry Industry's needs.	More number of students are actively participating in PALS (IIT Alumni Centre, Chennai) programmes.
To establish the Memorandum of Understanding.	Five departments (CSE, EEE, ECE, MBA & MCA) has been signed seven MoU with Higher Educational Institutes and Industries to build Industry Instituted Partnership.

To Motivate and enhancing teaching skills of faculties are encouraged to participate in NPTEL programmes.	63 members from our institution successfully completed NPTEL online Course in Dec 2019 & 57 members registered for NPTEL online Course in June 2020.
To organize the national/ International Conferences, Seminars, Workshops, Guest lectures and Symposiums.	One International conference, Five National conferences seven symposiums, 6 workshops, 38 guest lectures were conducted during the academic year 2019-20.
To excel in publications and patents.	College h-index – 28 i10-index – 117 Number of publications in Scopus indexed and Thomson Routers Journals - 685. Publications in other Refereed Journals – 1570. Total Citations/Highest Citations – 4177/292. Patents published – 3 Patents filed - 15
To promote the research development and consultancy activities	Department of Civil Engineering received ICI Ultra Tech Award in 2019. Department of Civil Engineering received a fund of Rs. 3,27,333/ from various funding agencies for conducting programmes. Department of Civil Engineering generated a fund of Rs. 3,25,000/ through consultancy activities. Department of CSE received Rs. 80,000 from ICSSR for National level Seminar on Cyber Security Training Programme for Women Welfare Department of CSE has received Rs. 1,66,667 from AICTE to conduct International Conference on Current Trends and Challenges in Healthcare Informatics and Technology Department of CSE generated a fund of Rs. 4,49,699/ through consultancy activities. Department of EEE received an amount of Rs. 7,500 from TNSCST for the student's project. Department of Mechanical Engineering received Rs. 3,48,000 Lakhs from AICTE, New Delhi. Department of Mechanical Engineering generated a fund of Rs. 1,06,000 / through consultancy activities.

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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Academic Council	11-Aug-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	19-Sep-2019

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	20-Sep-2019

17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules	Upgradation of the college Website with special importance to Management Information System. • Communication of important events, news and notification are uploaded periodically to public through college Website. • SMS gateway to send important notifications to different stakeholders of

currently operational (maximum 500 words)	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 forms 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	28/02/2020
MCA	mca	MCA	27/06/2020
BE	11	BE - AUTOMOBILE	13/12/2019
BE	12	BE - CIVIL	29/02/2020
BE	13	BE - CSE	06/03/2020
BE	15	BE - ECE	07/03/2020
BE	14	BE - EEE	08/02/2020
BE	16	BE - MECHANICAL	25/01/2020
BTech	21	B.Tech. - IT	14/02/2020

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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	01/07/2019	12CE3703-Quan tity Surveying Estimation 12CE3711Design Project 12CE3810 Project Work 16CE514 – Design of	01/07/2019

			Reinforced Concrete 16CE523 – Survey Camp 16CE613 – Design of Steel , Timber and Masonry Structures 16CE622 Structural Design and Detail		
BE	BE – CSE / 13	01/07/2019	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 18CS	01/07/2019
BE	B.E ECE / 15	01/07/2019	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 18CS	01/07/2019
BE	BE – EEE / 14	01/07/2019	18HR351 - Carrier skill Development-I 18HR452 - Carrier skill Development- II 18HR553 - Carrier skill Development- III 18HR654 - Carrier skill Development – IV 18CS041 - Programming for Problem Solving 18CS027 - Programming for Problem Solving Labor	01/07/2019

BE	B.Tech – IT / 21	01/07/2019	18HR533 - Carrier skill Development-III, 18IT513 – Java Programming, 18IT565 - Agile Methodologies, 18IT662 - Cloud Computing, 18IT671 - Machine Learning Techniques, 18IT711 - Mobile Application Development	01/07/2019
BE	B.E. – MECH / 16	01/07/2019	18HR351-Career Development Skills-I 18HR472-Career Development Skills-II 18HR573-Career Development Skills-III 18HR674-Career Development Skills-IV 18ME523-Industry Internship and Mini Project 18ME775-Industry 4.0 18ME563-Introduction to Aircraft	01/07/2019
MBA	MBA	01/08/2019	BA18121 HR18041 HR18042 HR18323 BA1841	01/08/2019
MCA	MCA	01/08/2019	MA18233 Discrete Mathematics CA18315 Information and Network Security CA18423 - Case Tools Lab MA16233 Discrete Structures CA16315 Information Security CA16423 - Mini Projec	01/08/2019
BE	B.E. – AUTO / 11	01/08/2019	"18HR412 - Carrier skill Development-II 18HR513 - Carrier skill Development- III 18HR614 - Carrier skill Development – IV 18AU623- Summer Internship 18AU865 - Enterpreneurship Development	01/08/2019

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Pharmaceutical Technology	30/06/2020
BE	Safety and Fire Engineering	30/06/2020

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 / 11	01/01/2019
BE	B.E – CIVIL / 12	01/01/2019
BE	B.E. – CSE / 13	01/01/2019
BE	B.E. - ECE /15	01/01/2019
BE	B.E. – EEE / 14	01/01/2019
BE	B.Tech. - IT / 21	01/01/2019
BE	B.E. – MECH / 16	01/01/2019
MBA	MBA	26/06/2019
MCA	MCA	26/06/2019

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
WIPRO PRP Training	10/07/2019	135
Virtusa Training	16/12/2019	8
Embedded Systems	10/09/2019	55
Java Programming	31/12/2019	37

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. – CSE / 13	37
BE	B.E. – ECE /15	16
BE	B.Tech. – IT / 21	20
BE	B.E. – MECH / 16	30
BE	B.E. – AUTO / 11	16
BE	B.E – CIVIL / 12	51
BE	B.E. – EEE / 14	15
MBA	MBA	15
MCA	MCA	10

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 (CBCS) 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 feedback from the various stake holders, our curriculum and syllabi has been upgraded on regular basis. Feedback received from industries have been accounted for the development of syllabi for specialized subjects like Big data 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 center 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 program me which is one of the industry institution partnership programmers, 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,

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
ME	STRUCTURAL ENGINEERING	18	18	18
MCA	MCA	60	2	2
MBA	MBA	60	60	60
BE	MECHANICAL ENGINEERING	120	55	55
BTech	INFORMATION TECHNOLOGY	60	60	60
BE	ELECTRICAL AND ELECTRONICS ENGINEERING	120	51	51
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	120	75	75
BE	COMPUTER SCIENCE ENGINEERING	120	107	107
BE	CIVIL ENGINEERING	60	18	18
BE	AUTOMOBILE ENGINEERING	60	26	26

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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
2019	392	119	188	39	21

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
227	182	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 self-help 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
511	227	1:2

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
3	3	Nill	3	60

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
No Data Entered/Not Applicable !!!		

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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	I/I	06/01/2020	23/01/2020
BE	11	III/II	11/11/2019	23/01/2020
BE	11	V/III	12/11/2019	23/01/2020
BE	11	VII.IV	13/11/2019	23/01/2020
BE	12	I/I	06/01/2020	23/01/2020
BE	12	III/II	11/11/2019	23/01/2020
BE	12	V/III	12/11/2019	23/01/2020
BE	12	VII/IV	13/11/2019	23/01/2020
BE	13	I/I	06/01/2020	23/01/2020
BE	13	III/II	13/11/2019	23/01/2020

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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

Nill	2303	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)

https://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
36	ME	INDUSTRIAL SAFETY ENGINEERING	16	16	100%
34	ME	CONSTRUCTION ENGINEERING AND MANAGEMENT	15	12	80%
33	ME	COMMUNICATION SYSTEMS	3	3	100%
21	BTech	INFORMATION TECHNOLOGY	55	44	80%
16	BE	MECHANICAL ENGINEERING	177	127	71.75%
15	BE	ELECTRONICS AND COMMUNICATION ENGINEERING	100	69	69%
14	BE	ELECTRICAL ELECTRONICS ENGINEERING	91	83	91.21
13	BE	COMPUTER SCIENCE ENGINEERING	102	77	75.49%
12	BE	CIVIL ENGINEERING	58	32	55.17%
11	BE	AUTOMOBILE ENGINEERING	52	32	61.54%

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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)

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https://ksrce.edugrievance.com/

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CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

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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
National	NIL	NIL	30/06/2020	NIL

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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
Any Other (Specify)	2	AICTE	1.66	1.66
Minor Projects	365	ICSSR	2.68	1.07

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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

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1

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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

Technical Paper Writing and Procedure for Patent Filling	AUTOMOBILE	05/02/2020
Publishing Articles in Sci Indexed journals and IPR	CIVIL	25/07/2019
National Conference on Recent Trends inInformation ,Communication and computing Technologies	CSE	21/03/2020
Faculty Development programme on Python Programming and Machine Learning Techniques	CSE	18/05/2020
Computer techniques for Power flow Analysis	EEE	30/06/2020

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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
JAI SAKTHI ABHIYAN	JAI SAKTHI ABHIYAN AWARD Department of MCA	AICTE,Delhi	03/12/2019	State level

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	30/06/2020

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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	1
Civil Engineering	5
Computer Science and Engineering	2
Electronics and Communication Engineering	3
Electrical and Electronics Engineering	1

Department	Number
Information Technology	1
Mechanical Engineering	3
Master of Business Administration	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)
International	Automobile Engineering	3	2
International	Civil Engineering	20	3
International	Computer Science and Engineering	37	1
International	Electronics and Communication Engineering	3	0
International	Electrical and Electronics Engineering	18	1
International	Information Technology	18	5
International	Mechanical Engineering	19	2
International	Master of Computer Application	2	0
International	Master of Business Administration	9	5
International	Science and Humanities	5	1.5

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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
Automobile Engineering	1
Civil Engineering	10
Computer Science and Engineering	36
Electronics and Communication Engineering	2
Electrical and Electronics Engineering	11
Information Technology	6

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Iot Based Automatic Falling Detection System For Elderly PeopleAccident Prevention System by Electromagnetic Bumper	Filed	201941042357	18/10/2019
An intelligent automated vehicular accident prediction and Notification system	Published	201941046984	29/11/2019
Safety Alert Indicator Lighting System For Prediction Of Vehicle Movement	Published	202041004460	31/01/2020
Information Sensing by Radio Frequency of RFID with Authentication Using ARDUINO	Filed	20204107061	29/04/2020
Manual and Guidelines for Electrical Machines Laboratory	Filed	L-92625/2020	08/06/2020
Portable air conditioner for vechcle	Published	201941035581	18/10/2019
Design And Fabrication Of Solar Powered Wood Cutting Machine	Filed	202041010592	13/03/2020
Familiar Properties of Palmyra palm Fiber Composite	Filed	202041010612	13/03/2020
C-Shaped Baffle Plate Solar Air Heater for Enhancing Heat Transfer Rate	Published	201941031249	02/08/2019

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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
No Data Entered/Not Applicable !!!						

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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
Effects of cut-outs on the vibrational characteristics of a hollow shaft system	Venkatachalam R	Material Testing	2019	1	Nill	K.S.R. College of Engineering
Experimental investigation on the effect of ceramic coating on the wear resistance of Al6061 substrate	Venkatachalam R	Journal of Materials Research and Technology	2019	1	Nill	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
No Data Entered/Not Applicable !!!				

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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	42000
Computerscience	ICAR EXAM	Tata Consultancy	43500

Engineering		Services	
Computerscience Engineering	LIC EXAM	Tata Consultancy Services	7204
Computerscience Engineering	TRB EXAM	NSEIT	265595
Computerscience Engineering	UGC NET EXAM	Tata Consultancy Services	46198
Computerscience Engineering	PG NEET EXAM	Tata Consultancy Services	52022
Computerscience Engineering	CRP MAINS EXAM	Tata Consultancy Services	35000
Mechanical Engineering	Design and manufacturing of auto ancillary parts	Thirumurugan Industries, Sathy Road, Erode	106000

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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

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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
International yoga day	NSS / Isha Yoga Cente	3	300

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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	Award/Recognition	Awarding Bodies	Number of students

activity			Benefited
BLOOD DONATION CAMP	RECOGNITION	GOVERNMENT HOSPITAL , NAMAKKAL	150

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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	KSRCE 11 (TN) Signal Coy NCC, Salem-16.	Oath taking ceremony – 30 September 2019	10	100
Swachh Bharat	KSRCE 11 (TN) Signal Coy NCC, Salem-16.	Awareness cycle rally- 26 Sep 2019	1	64
Swachh Bharat	KSRCE 11 (TN) Signal Coy NCC, Salem-16.	Cleaning the lake area – 18 September 2019	1	100
Tree plantation Drive	KSRCE 11 (TN) Signal Coy NCC, Salem-16. KSRCE 11 (TN) Signal Coy NCC, Salem-16.	Tree plantation Drive – 15 Aug 20191	1	100
Awareness Rally	KSRCE 11 (TN) Signal Coy NCC, Salem-16.	International day against drug abuse – 26 June 2019	1	100
Awaerness programme	NSS	CORONA AWAERNESS	3	150
Fit India	NSS	Fit India Movement	3	250
Election Commission	NSS	Voter Awaerness Rally	2	50
Isha Yoga	NSS	Yoga	3	100

Center		Awaerness		

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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
NIL	NIL	NIL	0

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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
No Data Entered/Not Applicable !!!					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Augusta HiTech	20/08/2019	Centre of Excellence	15
Young Indians Yuva	12/07/2019	Industry Linkage	100
Caliber Embedded Technologies India Pvt.Ltd	30/08/2019	Training,value added course	10

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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
65.8	58.56

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 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	78615	28957142	468	166960	79083	29124102
Reference Books	5282	4874862	14	6640	5296	4881502
e-Books	45800	254900	Nill	Nill	45800	254900
Journals	333	885836	24	45700	357	931536
e-Journals	764	1102504	Nill	Nill	764	1102504
Digital Database	3	Nill	Nill	Nill	3	Nill
CD & Video	5544	Nill	Nill	Nill	5544	Nill
Library Automation	1	Nill	Nill	Nill	1	Nill

Others(specify)	212	27938	Nill	Nill	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	30/06/2020

View File

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	1524	36	120	1	2	2	9	120	0
Added	0	0	0	0	0	0	0	0	0
Total	1524	36	120	1	2	2	9	120	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
ASCE ONLINE RESOURCE	www.ascelibrary.org
IEEE ONLINE RESOURCE	www.ieeexplore.ieee.org
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	http://online.sagepub.com

ENTREPRENEURSHIP	
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

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
344.2	423.2	155.5	191.1

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.

https://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 , poor income , Etc.	496	7258700
Financial Support from Other Sources			
a) National	BC/MBC/BCM/SC/SC Scholarships and First graduate	2025	28856820
b)International	--	Nill	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 skill	01/07/2019	180	FACE Training
Soft skill	01/07/2019	162	T2S Training
Soft skill	08/07/2019	229	T2S Training
Soft skill	26/08/2019	113	Aptitude and Soft Skills (Internal)
Soft skill	09/09/2019	140	Six Phrase Training (Wipro Specific)
Soft skill	09/12/2019	361	Winter Training Soft Skill (Internal)
Soft skill	20/12/2019	240	Soft Skill Training(Ms. A. sangeetha KSREI CPC)
Soft skill	20/01/2020	361	Winter Training Aptitude (Internal)
Soft skill	21/01/2020	15	Soft Skill Training(Ms. A. sangeetha KSREI CPC)
Soft skill	22/07/2019	365	Faculty Members

View File

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
No Data Entered/Not Applicable !!!					

View File

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

Total grievances	Number of grievances	Avg. number of days for grievance

received	redressed	redressal
Nill	Nill	Nill

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
No Data Entered/Not Applicable !!!					

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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
2019	31	B.E	CSE	KONGU ENGINEERING COLLEGE AND RAJALAKSHMI ENGINEEIRNG COLLEGE	MBA
2019	31	B.E	ECE	PSG COLLEGE OF TECHNOLOGY SRM INSTITUTE OF SCIENCE AND TECHNOLOGY Vivekanandha College Of Engineering For Women Sona College Of Technology NANDHA ENGINEERING COLLEGE SRM College of Science and Technology	ME
2019	31	B.E	EEE	DE MONTFORT UNIVERSITY KSR College Of Engineering	M.S AND ME
2019	31	B.E	MECH	Alagappa Chettiar Government College Of Engineering & Technology. PSG Tech-	ME & MBA

2019	31	B.Tech	IT	Coimbatore GEC-SALEM GOVT.COLLEGE OF TECHNOLOGY-COIMBATORE KSR COLLEGE OF ENGINEERING KV Institute Of Management And Information Studies KSR College Of Engineering	ME

View File

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	23

View File

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 (04-10-2019 To 05-10-2019)	108

View File

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
No Data Entered/Not Applicable !!!						

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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 :

1. 2019-2020 23.03.2019 Training hall D- Block 35 2. 08.02.2020 Training hall D- Block 40 3. 02.02.2020 (A.N) CHOCSIT COURT 98 4. 08.02.2020 MCA conference Hall 39 5. 14.12.2019 MCA conference Hall 75

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 college promotes 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 Head 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 the 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
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. • Separate employability and softskill training is included in the curriculum • Subjects related to life science are also included. • Choice Based Credit System to enable students to select subjects. • AICTE model Curriculum is adopted in Regulation 2020. • Electives are included in the curriculum based on area or module specialization. • Curriculum has flexibility like fast track, encouraging three one credit course study by replacing one elective etc. • 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 the Bloom's Taxonomy.
Teaching and	• The college has the strategy of including

Learning	inputs from experts of various industries and academic institutions to improve the teaching—learning process. • Systematic deployment of the courses using design documents, such as Conventional lectures, tutorial class, 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. • Special Guest lectures by subject experts. • 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.
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 the 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 the college website. • Provisions for the request of re- totalling / revaluation of answer scripts of end semester examinations within the stipulated period.
Research and Development	• 9 departments of KSR College of Engineering are Approved Research Centre's of Anna University, Chennai. • Under this Centre there are 33 Research Supervisors guiding the scholars in various disciplines. • 81 scholars are currently

	pursuing the Research. • Efforts are being taken to obtain research projects and grants from funding agencies. • Encouraging faculty members interact with industries to address real-world problems. • Creating opportunities for interested students in research activities. • Research workshops are organized for students and research scholar to enhance their research abilities. • 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.
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, a Reference Section, GATE Section, Journal Section, Group Discussion Rooms and Civil Services Study Centre. • Multimedia Library is available for e-learning. • The specialized software tool is used for transactions and tracking. • Journal section and e-Journals of the major professional bodies and publishers are available. • 24x7 Wi-Fi Facility.
Human Resource Management	• Faculty and Staff are encouraged to participate in self-development programmes. • The administration supports for 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.
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 lecture etc. • Centre 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.
Admission of Students	The College strictly adheres 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 the seats are admitted through Counselling by Single Window System conducted by DOTE. Remaining 35 seats are admitted through Management Quota. • 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.

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

E-governace area	Details
Planning and	Implemented in the year 2019 and the link of relevant website/document is

Development	https://ecampus.ksrce.ac.in/ecampus/
Administration	Implemented in the year 2019 and the link of relevant website/document is https://www.ksrce.ac.in/index.php/page?id30item10
Finance and Accounts	Implemented in the year 2019 and the link of relevant website / document is https://www.ksrce.ac.in/index.php/page?id443item141
Student Admission and Support	Implemented in the year 2019 and the link of relevant website/document is https://www.ksrce.ac.in/index.php/page?id352item322website/document
Examination	Implemented in the year 2019 and the link of relevant website/document is https://www.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	Mrs.M.K.Nivodhini	Internet of Things	KSRCE	3550
2019	Mr.T. Thangarasan	Internet of Things	KSRCE	3540
2019	Mrs.P. Vasuki	Internet of Things	KSRCE	3540
2019	Mrs.S.Savitha	Internet of Things	KSRCE	2211
2019	Dr.V.Vennila	Internet of Things	KSRCE	2250
2019	Dr.C.Anand	Internet of Things	KSRCE	2580
2019	Dr.V.Sharmila	Internet of Things	KSRCE	2250
2019	R.Veeramani	Advances in Practical RF Antenna Design	KSRCE	2500
2019	Mr. S. Imthiyas	SAEINDIA PDP on Electric Vehicle	KSRCE	15599

2019	Mr. M. Dinakaran	SAEINDIA PDP on Electric Vehicle	KSRCE	15527

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)
2020	Programme on python programming and machine learning techniques	-	18/05/2020	22/05/2020	10	Nill
2020	Programme on python programming and machine learning techniques	-	25/05/2020	29/05/2020	10	Nill
2019	Embedded system design	-	30/08/2019	31/08/2019	2	2
2019	Millennial: Social challenges in real and virtual world	-	26/08/2019	26/08/2019	30	Nill
2019	Understanding of Programme Outcomes (POs)	-	06/11/2019	06/11/2019	50	Nill
2019	Design of shallow foundation	-	26/08/2019	30/08/2019	23	Nill

| 2019 | Advanced manufacturing system | - | 01/07/2019 | 05/07/2019 | 20 | Nill |

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
SAEINDIA PDP on Electric Vehicle	2	14/10/2019	16/10/2019	3
Workshop on Instructional and Assessment Characteristics of OBE Framework and Hands on Practices for Designing and Mapping Outcomes	6	19/11/2019	21/11/2019	3
Think create Engineer	1	17/12/2019	20/12/2019	4
Technical Paper Writing and Procedure for Patent Filing	4	05/02/2020	05/02/2020	1
Recent Trends in Electric Driverless Technologies	2	24/11/2019	07/12/2019	14
Cyber Security: Advances and Future Direction	3	21/10/2019	25/10/2019	5
Challenges Opportunities in Execution of Big data Analytics for Smart Electrical Power Distribution System Design: A Research Perspective	6	04/11/2019	17/11/2019	14
Seminar on How to Write a Research papers	3	28/08/2019	28/08/2019	1
Sky campus Digital Knowledge series Session 4 on The Future of Education, Employment Entrepreneurship	8	04/05/2020	08/05/2020	5
CE QIP Short Term Course on	2	06/01/2020	10/01/2020	5

Fundamentals of Construction Materials,Technology and Management				

View File

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

Teaching		Non-teaching	
Permanent	**Full Time**	**Permanent**	**Full Time**
3	Nill	7	Nill

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 • IIT Madras PALS Tie-up for Faculty Quality enhancement. • Free Transport Facility • 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 • 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. • IIT Madras PALS Tie-up for student's skill / personality development • Medical Insurance for students and Parents. • Hygienic Canteen Facilities. • 24x7 Hospital. • Post Office and Bank Facilities in the campus. • Safety and Security personnel. • Student Counseling. • 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	1905181	Conducting conference, seminar, workshop, guest lecture,symposium,parents meeting and purchase of equipments

View File

6.4.3 – Total corpus fund generated

268000

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. Civil Engineering - 07.03.2020, 2. CSE- 22.02.2020, 3. ECE – 31.08.2019, 4. EEE- 04.09.2019, 5. MBA -14.03.2020

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. • Soft skills training programmes are also provided to the supporting staff members speciality

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

• The Electronics and Communication Engineering (ECE) and Computer Science Engineering (CSE) departments got the NBA Accreditation. • The Electrical and Electronics Engineering (EEE) and ECE departments developed alumni sponsored project laboratory. • Smart classroom specialty was developed for all the departments in the institution.

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	Workshop on Outcome Based Education	01/10/2019	01/10/2019	01/10/2019	200

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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 Yoga Day	21/06/2019	21/06/2019	50	100
Yoga For Students	01/08/2019	01/08/2019	100	100
Tree Plantation	14/08/2019	14/08/2019	50	50
Blood Donation Camp	22/08/2019	22/08/2019	50	100
Fit India Movement	29/08/2019	29/08/2019	75	175
Awareness For Yoga	19/11/2019	19/11/2019	30	70
Constitution Pledge	24/01/2020	24/01/2020	20	30
Voter Awareness Rally	25/01/2020	25/01/2020	18	32
One Week Yoga	28/01/2020	04/02/2020	10	25
Corona virus Awareness	10/02/2020	10/02/2020	50	100
Volunteer Work	21/02/2020	21/02/2020	22	28
Blood Donation Camp	11/03/2020	11/03/2020	40	63

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 15 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	Nill
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Rest Rooms	Yes	Nill

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	1	1	14/08/2019	1	Tree Plantation	Eco Friendly	100
2019	1	1	22/08/2019	1	Blood Donation Camp	Health	150
2019	1	1	19/11/2019	1	Isha Program	Social	100
2020	1	1	25/01/2020	1	Voters Awareness Rally	Social	50
2020	1	1	27/01/2020	1	Temple Function	Societal	100
2020	1	1	10/02/2020	1	Covid-19 Awareness	Health	150
2020	1	1	11/03/2020	1	Blood Donation Camp	Health	103

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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	01/07/2019	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	01/07/2019	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	01/07/2019	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	01/07/2019	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	01/07/2019	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	01/07/2019	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	01/07/2019	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	01/07/2019	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	01/07/2019	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	01/07/2019	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	01/07/2019	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	01/07/2019	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	01/07/2019	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	186

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

1. Installed solar street light in the campus. 2. Prepared vermin compost from the tree foliage. 3. Plastic-free campus. 4. Replaced florescent and CFL lamps with LED lambs. 5. Visitors, Parents and students vehicles are not allowed inside the campus. 6. Green garden area increased.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Various committees have been formed to facilitate quick decision making related to academic and administrative activities, ensure complet⌐ Decentralized administration makes it possible for the head of the institution to delegate power and responsibility to others and to concentrate on other high level activities of institution. ⌐ To promote the managerial and administrative skills of the faculty to take up leadership positions by delegating the power and responsibility. The Context ⌐ To generate more opportunities in the growth and self-development of faculty members by including them in the various administrative committees. ⌐ To minimize the work burden of the superiors. ⌐ To

ensure complete transparency and to take prompt and systematic follow up actions. ⌉ Introduction of decentralized administration to facilitate quick decision making related to academic and administrative activities. ⌉ Facilities for preparation, uploading and sharing the course materials, and to access the course materials at various locations inside the College. Best Practice-2 Title: Decentralized Administration Objectives ¬ Financial commitment by the Management. ¬ Students training required in online access. ¬ To motivate the students to be creative. ¬ Training all the faculty members in preparation of course materials and make it online access. ¬ Faculty members need orientation on interactive teaching methods. ¬ Number of participants in GATE examination is increased few have cleared and gone for higher studies with stipend in reputed institutions. Problems Encountered and Resources Required ¬ Students are free off academic and non-academic issues hence percentage of attendance is much improved and they are able to concentrate more on their career developmental activities. ¬ The academic and non-academic performances of slow learners are improved. ¬ Students' communication and presentation skills are developed and reflected in the various competitions and placements. ¬ Students are aware of latest technology know how in the respective field of interest. ¬ Curriculum and syllabus is at par with industry needs. ¬ Students' confidence levels on subjects are improved. ¬ GATE Coaching classes are arranged for students at free of cost to enable them to go for higher studies or to place in Public Sector Units (PSU). Evidence of success ¬ Provision of 'HOD hour' is given in regular academic schedule to address the grievances of the students and sturdy remedies have been taken immediately to sort out their issues. ¬ Question bank is given to the students. ¬ Mentoring, Counseling, One to one contact remedial classes has been conducted to give due attention to the slow learners. ¬ It is a regular practice to encourage the students to make presentations in National/ International seminar and conferences. ¬ Hi-tech language laboratory is available with latest software to improve students' communication skills in both oral and written. ¬ Students are given opportunity to do industrial research projects. ¬ Fully fledged laboratories are available in all disciplines to the students to experiment their own innovative ideas. ¬ Field/Industry visits and Internship training provides hands on experiences to the students which makes them to have rich understanding in their area of interest. ¬ Value added courses/frequent guest lectures/invited talks by the practitioners are arranged to give more exposure on real time

challenges and industrial practices. ¬ Learning materials are provided on the first day of every semester and accessibility to on and off-campus sources. ¬ Teaching with live cases and examples for easy understanding and creating opportunities to students to interact with their opinions. ¬ Academics, industrial experts and alumni are involved in framing curriculum and syllabus. ¬ Rest room and purified drinking water facilities are easily accessible. ¬ Providing good learning environment with neat comfortable seating, Board marker and uninterrupted power supply for electrical appliances like LCD, OHP, lighting and ventilation. ¬ To offer hands on experience. The Context Quality teaching is important for producing the intellectual capital and to compete with other countries. It is important to create the classroom teaching in an interactive way by faculty members. Also, it is essential to provide the learning materials to the students at various possible locations everywhere in the campus. The Practices ¬ To provide learning materials and assessment of learning. ¬ To develop interactive class room teaching to bring out inherent academic knowledge of the students. ¬Best Practice−1 Title: Effective Learning through Efficient Teaching Objectives Technology to automate the entire administrative system.⌉ Creation of more funds to implement MOU with foreign institutions for student, staff exchange programme. ⌉ Decentralization may lead to the problem of co-ordination, raise in administrative expenses and multi-level reporting system. ⌉ Scheduling to involve the students in different activities becomes a difficult task with in stipulated time period. ⌉ Updating existing guidelines to meet ever changing scenario. ⌉ Maintaining uniformity in internal administration. ⌉ Through IIPC, the college has collaborated with Infosys, ICTACT, EDC, EMC2 etc. Problems Encountered and Resources Required ⌉ Value added coursed are conducted by the departments and technical and non-technical trainings are given to the students to equip them to fit in the industries. ⌉ 651 students are placed in reputed companies during the current academic year. ⌉ End semester examinations are conducted as per the calendar and results are published in time. ⌉ The college has signed MOU with leading academic institutions and industries at national and global level. ⌉ Organized 300 student's enrichment programs like national level technical symposium / seminar / conferences/guest lecture/workshop by the departments. ⌉ Five new additional programs are introduced and intake has been increased in few departments. ⌉ Every year annual budget is prepared and sanctioned funds are utilized for the department developments. ⌉ IIPC (Industry Institute Partnership

Cell) is free enough to execute its role and to establish collaboration with the industries. Evidence of Success | Based on the recommendations of the head of the placement, value added courses, technical training, soft skills training are given to the students. | Placement cell independently interact with the industries to fill the gap between institution and industry. | Controller of Examinations is completely independent to take care of all examination related activities. | Senior faculty members have a good role to interact with the industries in securing consultancy work and Memorandum of understanding. | The faculty members have organized International/National level seminars and conferences. | Board of Studies members (except university nominee) is selected based on the recommendations of Head of the department. | Heads of the department are consulted for change in intake and addition/deletion of programs. | The purchase committee authorized to finalize the procurement based on the comparative statements prepared by the HODs. | Annual budget required for the department development is prepared by the HOD concerned in consultation with his/her faculty team that enables to prepare the annual budget for the college. | Heads of the department are independent to assign the prestigious responsibilities to the right person in his/her department. | Faculty members are promoted in consultation with the Heads of the department. | Based on the requisitions of the Heads of the department, the new staff members have been recruited by a selection committee. | Communication between the head of the institution and subordinates strengthen their relationship and results in smooth administration. The Practice The college has Autonomy to execute various academic and administrative activities. Various committees have been framed to review/monitor the functioning of college periodically. The following are some of the best practices.]e transparency and objectivity and take prompt and systematic follow up actions. Delegation of responsibility enhances the morale and motivates the subordinates to perform their duties with commitments and improves the overall administrative and academic efficiency of the institution.

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

https://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

Infrastructure is continuously upgraded at each level such as basic level electricity, Internet service, routers, modems, and personnel to maintain the network.¬ 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. ¬ College has upgraded the teaching learning process through installation of more ICT enabled smart classrooms. ¬ Institution maintains its distinctiveness by blending technology with class room teaching. ¬ College being a most excellent educational institution prepared to meet the challenges of a rapidly changing technical world, the primary focus of the institute is excellence in core mission activities of teaching. ¬ 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. ¬

Provide the weblink of the institution
https://ksrce.ac.in/

8.Future Plans of Actions for Next Academic Year

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