



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution

K.S. RANGASAMY COLLEGE OF TECHNOLOGY (AUTONOMOUS)

- Name of the Head of the institution **Dr.R.Gopalakrishnan**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**

- Phone No. of the Principal **04288274748**
- Alternate phone No. **04288274748**
- Mobile No. (Principal) **9994150505**
- Registered e-mail ID (Principal) **principal@ksrct.ac.in**
- Address **K.S.R Kalvi Nagar, Kuchipalayam (Po), Thokkavadi, Tiruchengode (TK), Namakkal(DT) Tamil Nadu.**
- City/Town **Namakkal**
- State/UT **Tamil Nadu**
- Pin Code **637215**

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **19/06/2014**
- Type of Institution **Co-education**

- Location **Rural**

- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr.P.Premkumar**
- Phone No. **04288274748**
- Mobile No: **9790666007**
- IQAC e-mail ID **iqac@ksrct.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)

https://ksrct.ac.in/wp-content/uploads/2021/10/AQAR_Report2019-2020.pdf

4.Was the Academic Calendar prepared for that year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

<https://ksrct.ac.in/academic/academic-calendar/>

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.21	2012	10/03/2012	09/03/2017
Cycle 2	B++	2.92	2018	02/11/2018	01/11/2023

6.Date of Establishment of IQAC

11/05/2012

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
KSRCT / Biotech / Dr.J.Philip Robinson	Star College Scheme	Ministry of Science and Technology	11/09/2018	8200000
KSRCT / ECE / Dr.C.Rajasekaran	RPS	AICTE	04/01/2019	941000

8. Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

9. No. of IQAC meetings held during the year 4

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? **Yes**
- If No, please upload the minutes of the meeting(s) and Action Taken Report No File Uploaded

10. Did IQAC receive funding from any funding agency to support its activities during the year? No

- If yes, mention the amount

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

Monitoring of the academic and non academic process through scheduled internal audits and ensures the quality and Desired Outcome.

Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines of NAAC.

Providing necessary support system for student related issues and also creating awareness about student services. Competitive exams, higher education cell to motivate aspiring students to take up all types of competitive exams.

To ensure the quality and expected outcome, continuous awareness sessions being conducted for the faculty and students.

IQAC works continuously for collecting and collating qualitative quantitative data from every unit of the institution. Maintaining cumulative record of all the departmental activities / achievements. Through which IQAC Providing information to various government and nongovernmental application / Surveys / data captures and make necessary and prompt follow up.

12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality

enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
Academic Council Meeting	06/08/2020
IQAC Meeting - I	06/12/2020
AICTE - CII Survey	08/07/2020

13. Was the AQAR placed before the statutory body? Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Body	24/07/2021

14. Was the institutional data submitted to AISHE ? Yes

- Year

Part A

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• Mobile No. (Principal)	9994150505
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KSRCT / ECE / Dr.C.Raja sekaran	RPS	AICTE	04/01/2019	941000	
8.Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the			View File		

composition of the IQAC by the HEI		
9.No. of IQAC meetings held during the year	4	
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
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Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines of NAAC.		
Providing necessary support system for student related issues and also creating awareness about student services. Competitive exams, higher education cell to motivate aspiring students to take up all types of competitive exams.		
To ensure the quality and expected outcome, continuous awareness sessions being conducted for the faculty and students.		
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<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
Governing Body	24/07/2021
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
09/01/2019	09/01/2019
15. Multidisciplinary / interdisciplinary	
16. Academic bank of credits (ABC):	
17. Skill development:	
18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)	
19. Focus on Outcome based education (OBE): Focus on Outcome based education (OBE):	
20. Distance education/online education:	

Extended Profile

1. Programme

1.1	22
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1	2985
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	View File

2.2	921
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3	2969
Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3. Academic

3.1	671
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	337
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	337
Number of sanctioned posts for the year:	
4.Institution	
4.1	738
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	105
Total number of Classrooms and Seminar halls	
4.3	1420
Total number of computers on campus for academic purposes	
4.4	1005.16
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Curriculum Design Process at KSRCT: Effective curricula and syllabi is designed in Board of Studies (BoS) meeting conducted in every semester based on the guidelines of UGC, AICTE, affiliated university and feedback from various stakeholders. Standing committee on academic council deliberates on the curricula and syllabi suggested by members to present at academic council meeting. The academic council, on deliberation, recommends

modifications and suggestions for the implementation. The curricula of all the programmes is framed and updated regularly by focusing on employability as the students are from rural background and first graduates.

The Choice Based Credit Systems supplements the industry requirement and to develop specific skill sets. One credit courses and open electives are offered with industry experts are introduced from the academic year 2014. Also, the students are allowed to take online courses and self-study courses through NMEICT, SWAYAM NPTEL, ICT Academy Learnathon and Udemy. To enhance the employability, aptitude, soft and life skills are offered through courses such as Career Competency Development, Universal Human Values . Entrepreneurship skills are imparted to students through mandatory courses, Innovation and Start-ups, IDEA Lab. Programming for Skill Development System/DigiPro tool is used to enhance the programming skill among the students for career enrichment.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	http://ctcms.ksrct.net/NAAC/Criteria-I/1.1/1.1.1/COs,POs,PSOs.pdf

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

22

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

715

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

675

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

22

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The curricula of the Institution gives high importance not only

for the technical aspects, also for life skills and sustainability which addresses the environment related and energy related issues. The curricula pertaining to life skills which addresses professional ethics, gender, Universal Human Values are offered are known as cross cutting issues. UHV course has been introduced in the curriculum to develop a holistic perception for self-exploration among themselves and also with family members. Necessary training has been given and arranged to the faculty who handles these courses.

The various student clubs like Institution Innovation Cell, Entrepreneurship Development Cell, Swachh Bharat, Unnat Bharat Abhiyan, Institutional Social Responsibility Clubs, Service Motto volunteering team, Eco Club, Swacchatha Action Plan etc., are actively functioning to enrich the human values and ethics and significance of environmental protection.

The curricula of R2014 and R2018 includes courses related to environment such as Waste Water Management, Environmental Science, Environmental Hazards and Management, Pollution and its Management, etc imparts environmental education among the students.

One student one tree concept has been implemented at our campus effectively to make the students understand about the environment sustainability. The institution is awarded with "One District One Green Champion" by MGNRCE.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

62

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above**2954**

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects**1772**

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni **A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	http://ctcms.ksrct.net/NAAC/Criteria-I/1.4/1.4.1/AddInf.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	http://ctcms.ksrct.net/NAAC/Criteria-I/1.4/1.4.1/AddInf.pdf
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

782

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

592

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Identifying the capacity of students as an advanced/slow learner will help to improve their performance both in academics as well as in their personal life. Identification of students securing less than 50% are identified as slow learners and this practice is being done after each and every Continuous Assessment Test.

Advanced learners are identified by the class handling faculty based on their academic performance and co-curricular activities. Mentoring is provided to both the advanced and slow learners to enhance their skills.

Activities for advanced learners:

- Facilitated to apply for fellowships and internships and for higher studies
- Encouraged to do "online courses" in NPTEL, Udemy, Coursera, and other online certifications.
- Final semester courses are provided in the fast-track mode facilitating them to go for internships and projects in industry
- Special training is being given to advanced / fast learners for placement

Activities for Slow learners

- Coaching classes by the course handling faculty for regular courses. The improvement showed by them is recorded and accordingly follow up actions are taken.
- The soft and communication skills are given special emphasis for the students from rural background to improve these skills and thereby bring them at par with regular learners.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2021	2985	337

File Description	Documents
Upload any additional information	No File Uploaded

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-

solving methodologies are used for enhancing learning experiences:

Experiential Learning

Students are taken to Industrial visits and they are encouraged to go for In-plant trainings. Industrial visits are arranged for courses, the students are currently studying or for the courses they have completed. Activity based learning / project based learning ensures the better outcome. A group of elective / open elective courses are included with practical component so that every student gets an experience of practical learning in the domain of his choice once during the program. 8 weeks Internship is mandatory for every student in R2018, Students are also permitted to do online internships during the pandemic. Virtual laboratories are used for doing experiments wherever applicable.

Participative learning:

Faculty conduct role play / group discussion/case studies/ Flipped classes in the class rooms apart from conventional teaching methodologies. Flipped class also improves the lifelong learning skills of the students. Every teacher uses any of these methodologies for a particular topic.

Problem Solving Methodologies

This helps students to solve the real-world problems as well as apply the concepts learned in theory. Tutorials are conducted for analytical courses during regular classes. One faculty is allotted for a group of 20 students during the tutorial classes. PSDS (Programming Skill Development System), Neopat/examly portal are used for developing the programming skill of the students and solving the problems. Inter departmental codethans are being conducted to improve the problem solving /logic building of the students every year. Through M/s codechef and Neopat regular hackathons and programming challenges conducted to improve the problem solving ability.

File Description	Documents
Upload any additional information	View File
Link for additional Information	http://ctcms.ksrct.net/NAAC/Criteria-II/2.3/2.3.1/AddInf.pdf

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

At KSRCT, the importance of digital literacy is understood. All faculty are advised to use ICT tools as and when required and required facilities are provided. All Class rooms are equipped with multimedia projectors and computer connectivity. Further smart class rooms for online learning are also made available. With the system of online learning, all resources are made available online in MS Teams platform. Quizzes are being conducted through this platform regularly and continuous assessment tests and end semester exams are also conducted using this platform during the pandemic.

Programming courses are taught through PSDS (a platform for interactive learning). This is a web IDE that gives more efficient and effective programming skills and improvising the logical thinking ability for students and faculty as well. Unique features of this IDE is that it automatically checks the logic using test cases options.

MOOC/NPTEL courses are taken by students with faculty mentors available for guidance. Course videos from NPTEL/MITOCW and other online resources are made available to students by faculty. With blended learning using MOOC, flipped classes are also being conducted through you tube activities.

With the online mode, various events like guest lectures, conferences, symposiums are being conducted in online platforms enabling student participation from remote areas. Virtual laboratories helped and ensured the practical classes even during the pandemic. This will help the students who missed the topic and the slow learner for gaining good knowledge.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.ksrctdigipro.in/
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

337

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

IQAC, Academic Co-ordinator and Principal prepare the academic calendar and circulate before the commencement of classes in the beginning every year. This contains the annual working days, schedule of all curricular activities including continuous assessments and end semester examinations. The academic calendar is sent as a circular and is made available to the faculty and students. This helps the students to plan and prepare themselves for internships during semester holidays.

The log book also has the following details helping for effective delivery of the course content to attain the Program outcomes.

- Vision and mission of the Institute and Department
- PEOs and Program Specific Objectives
- Program Outcomes and Course outcomes and their mapping
- Content beyond the syllabus
- Guest lectures arranged for various topics

- Experiential learning methodology used
- Theory/Tutorial/Laboratory classes handled
- Support classes for slow learners
- Performance analysis of Students
- Remedial measures taken
- Class/personal time table

The academic plan is structured in accordance with the needs of Outcome Based Education prescribed by National Board of Accreditation (NBA). The contents of the plan include:

- Course pre-requisites
- Course objectives and outcomes
- Mapping of course outcomes with program outcomes
- Learning resources
- Delivery methodologies
- Assessment methods
- Detailed unit wise lecture plan
- Assignment and tutorial questions
- Model question paper
- Link to the video lectures
- Additional information over and above the curriculum

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

329

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

121

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

9.5

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

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

15

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Examination procedures

All the candidates registering for the examination must follow the Rules and Regulation. Students have to Register for semester examinations as per Academic schedule as well as Circular issued by the Office of Controller of Examinations. Hall tickets are issued prior to commencement of Examinations.

Question papers are prepared as per Revised Bloom's Taxonomy and Course Outcomes. Question paper setters and Examiners related to various activities are recommended by the concern Board of Studies. Question paper Scrutiny is carried out and any error found is rectified by concerned Module coordinator or subject expert assigned by concern Chairman Board of Studies.

Results are declared and students can opt for Photocopy as well as Revaluation based on their need. Examination Audit is conducted to improve the Examination system.

Processes/Procedures integrating IT

Students are assessed by Continuous internal assessment and Semester End Examinations. Continuous internal assessment is predominantly IT integrated. Question banks are also available in electronic format. Students can track their performance in CTCMS.

•Continuous Internal Assessment System

In the Present Regulation R-2018, Quiz is introduced in the internal continuous assessment. Internal Evaluation generally consists of three tests each carrying ten marks, Three assignment / Tutorial for five marks and two Quizzes for ten marks. Another important step taken towards Skill improvement is Internship. It is made compulsory for all the students and it is mandatory to qualify for the Degree. Provision for Retest and Improvement tests are there for needy students.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

Six UG programmes are accredited by NBA under Tier I category and Outcome based Education is being followed in all the departments in the entire institution. Every department has vision and mission statements and they are framed in consistent with the vision and mission of the institute. Program Educational Objectives (PEOs) are framed in consistent with the mission of the department. Program Specific Outcomes (PSOs) are framed to help attain the PEOs and hence the Mission of the department. Every course in the curriculum has 5 course outcomes (COs) which are specific and measurable and they help to attain the program outcomes and hence the Outcome Based Education is being practiced.

To help students understand the process of Outcome based education, faculty advisors discuss about Program Specific Outcomes and the Program outcomes in the beginning of every semester in the class. They are further displayed/printed in

College website.

Course outcomes for every course offered is included in the syllabus book and also displayed in the website (KSRCTCMS). The faculty handling the course discusses the COs in the class in the beginning of the semester and correlated it when completing the respective portion of the syllabus. All assessment Question papers including tests, assignments/tutorials and quizzes have the questions with the corresponding CO being addressed.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Attainment of COs

Different assessment methods adopted for COs attainment

Two different assessment methods are adopted to measure the attainment of COs in each course.

1. Direct assessment methods (80%)
2. Indirect assessment methods (20%)

Cumulative COs attainment

COs attainment = [80% Direct assessment + 20 % Indirect assessment]

Cumulative COs attainment for a course for the class strength N is shown in figure 2.6.2.2.

Attainment of POs and PSOs

Different assessment tools used to measure the attainment of POs & PSOs with frequency of evaluation

Direct Assessment

POs and PSOs are measured directly from the COs. The attainment of POs and PSOs through curriculum can be quantitatively measured by assigning weights to the COs that are contributing to a particular PO. COs are measured from the data collected from assignments/tutorials, internal assessment tests, course end surveys etc.

Indirect Assessment

The program exit survey is a questionnaire answered by every student upon completion of the program. Alumni survey and experiential learning such as Internships, Workshops etc are used to obtain indirect attainment of POs and PSOs.

Cumulative POs & PSOs Attainment

The attainment of POs and PSOs are based on the contribution of direct and indirect assessments as per the weightage given below.

PO / PSO attainment = 70% of Direct assessment + 30% of Indirect assessment

Cumulative POs and PSOs attainment is recorded at the end of every academic year, analyzed and deliberated in BoS, PAC and DAB for the improvement of POs and PSOs in the forthcoming years.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

921

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	http://ctcms.ksrct.net/NAAC/Criteria-II/2.6/2.6.3/AddInf.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://drive.google.com/drive/folders/1YvyLJrCDBudNkzBbMW-ahLfRviZGh9wX>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Objective:

To promote research and development activities at K.S. Rangasamy College of Technology

Research promotion policy of KSRCT aims to rise and share knowledge through quality education, research and innovation. To achieve this goal, the institution seeks to strengthen research and innovation activities by motivating members of faculty and students in their desired path of research and career. Encourages faculty and students to come up with new ideas to deal with hands on practical problem-solving projects in teamwork. Motivate faculty and student to work on inter disciplinary/ multi-disciplinary research collaboration with other departments, institutions and university and also arriving the eco system .

Members of faculty are motivated and rendered financial support to apply for Research Grants/Infrastructure to various funding agencies of both Government and Non-Government organizations. The institution takes in preparing an effective funding project proposal and budget, which are constructive and valuable for the

upcoming generation to meet out their needs.

The institution supports the researchers through Internal Funding -Seed Grants. The Research and Development division has mandated Research Funding Schemes through Seed Grants to encourage faculty researchers for Research paper publications, Patents, Book / Book Chapter publications, Collaborations with National and International Institutions to conduct programmes such as conferences, seminars, workshops project proposal, patent filing and FDPs related to research and innovation. This seed grant scheme shall offer financial assistance upto Rs 5 lakh to individual or to team of faculty (Interdisciplinary/Multidisciplinary Research Centers) to establish basic research infrastructure.

Institution provides incentives as a success factor to travel in the path of research. It is proposed that a faculty succeeding in getting the external research grants from outside agencies shall be entitled for an appropriate incentive for the sanctioned project.

Faculty members are motivated to apply for the travel grant to the funding agencies for travelling abroad in accordance with his/her research activity. The institution supports the faculty members to attend conference/workshop relevant to their field of research in India and Abroad on duty and a fund to pay the registration fee. Permitting faculty members to present as keynote speaker/plenary lecture in conference/seminar, etc. The college also funds the faculty members for preparing the testing analysis report and for filling patent.

Motivates PG students to join as full-time research scholar under the "Institutional Research Fellowship" the selected candidate will be paid monthly stipend of Rs 10,000/ for a period of three years. The job opportunities also provided to students, who have completed Ph.D in our institution under JRF/SRF scheme.

Motivates the faculty members completing Ph.D degree with an increment of Rs. 10,000/- for Engineering discipline and Rs. 6,000/- for Science and Humanities. The institution provides 24 x 7 hours of lab facilities, internet, e-library and library utilization to inspire the research culture among faculty and scholars.

To promote research activities in the Institution, the college has

a well-defined research promotional policy in sync with the Vision and Mission of the Institution. This promotional policy is updated and implemented based on current scenario and it is well available in the college website.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://ksrct.ac.in/academic/rules/faculty/research-promotion-policy/
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

2.755

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

29

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

210.07

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

12

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

52

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

10

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

This business plan addresses a variety of issues associated with creating and operating a Technology business incubator at K.S.Rangasamy College of Technology, Tiruchengode, Namakkal District in Tamil Nadu. It is to be developed based on the findings of a comprehensive market feasibility study for Business Incubation Opportunities in Erode and Namakkal district to conduct expertise in business incubation.

Purpose

The proposed mission of the incubator is to stimulate the establishment and growth of technology-based start-up companies and other compatible businesses. By fulfilling this mission, the incubator would contribute to job creation, and provide for enhanced economic health to the region.

Description The technology business incubator would provide new and emerging technology (Digital Manufacturing, Rapid Prototyping, Reverse Engineering, Internet of Things and Industrial Automation)

and compatible businesses with an environment that would support their start-up phase and increase their likelihood of success. The proposed incubator includes facility space, shared use of common office equipment, direct business assistance and guidance, mentoring, networking to capital, and other technical resources. A network of existing resources in our institution would be developed to support incubator client needs. Approximately 15-25 clients at a time would be served within the incubator. The facility, proposed with 6,600 square feet, would include a mix of office and lab space.

Proposed Organizational Structure

The incubator would be governed by a board of approximately 10 members comprised of individuals with a mixture of entrepreneurial and technology experience, representatives of key economic development organizations, and representatives of area higher education institutions. The proposed incubator would be staffed by an Executive Director whose responsibilities would be to provide and/or facilitate access to value-added services needed by incubator clients, recruit and screen potential new incubator clients, and manage the overall operations of the incubator.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://iic.ksrct.ac.in/

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

116

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for

A. All of the above

Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

7

File Description	Documents
URL to the research page on HEI website	https://ksrct.ac.in/research/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

191

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

101

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

545

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

30

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

18.198

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

23.679

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Objective:

- To carry out the extension activities in neighborhood for the community sensitizing students holistic development.

Extension activities are categorized into as follows:

1. Social Service

Interested members of faculty and students as social service activity are

involved to support the societal needs

1. Developing Application

Institution strongly believes that Science and Technology shall solve the social issues. Hence, the members of faculty and students are motivated to develop applications/ products to cater to the needs of the society.

The students of K S Rangasamy College of Technology along with academic part of studies it lends hands to social services. Created the awareness towards community issues, gender disparities, Social inequity etc and inculcating values and commitment to society. The processes and strategies inherent in such activities relevantly sensitize students to the social issues and contexts Sustainable practices of the institution leading to superior performance results in successful outcome in terms of generating knowledge useful for the learners as well as the community. The extension also is the education which emphasizes community service. The students of KSRCT have been serving the society through various extension and outreach activities regularly. The activities are conducted in collaboration with communities and non-government organizations through NSS, NCC, UBA, YRC, RRC Swatch Bharath and Women Empowerment Cell.

National Service Scheme of KSRCT organized activities like Blood donation camp , Plastic awareness program , Yoga day Celebration , Vigilance Awareness, Dental camp, Breast cancer awareness, Eye Screening camp, Tree Plantation, Cancer awareness Camp, Road safety rally, Painting and Renovation of school buildings, Orphanage and old age home visit...etc

The students participated actively in the "International Yoga Day" as Yoga is considered to be the best art to control the mind through the body. Activities like Save river and tree plantation drive seeded for the Green Revolution, Blood donation camps in collaboration with the government hospitals (twice a year), where the members of faculty and students donated blood for the cause. Our NSS unit has a wide vision of protecting our globe from global warming by creating awareness among the people through programs like saying 'NO' to plastics. At the time of Covid19 pandemic our NSS team, distributed masks, food, Sanitizer to Public & Police department. This wing has taken care of arranging guest talks on topics related to Gender issues, Health care, Women's security, etc.

Swatch awareness rally, Open Defecation Free campaign, Free from plastics campaign was conducted through Swatch Bharath and Unnat Bharath Abhiyan.

The National Cadet Corps of KSRCT conducted Blood donation camp, Dental camp to aid the poor people and students. NCC organized army attachment camp, combined army training and trekking for students to mould them to serve the nation. NCC organized awareness programs on Road safety, Environmental awareness and other community services for the benefit of society.

NCC, NSS, YRC, RRC of KSRCT in association with Tamilnadu Police organized awareness programme on "Narcotic Drugs & Psychotropic Substances" to the students and public and officials from Police department, Namakkal District acted as a resource person.

Apart from the above, Institution also has SM - Social Media volunteering Team. It comprises of both members of faculty and students. This team vibrantly involves in various social service activities and creating positive impacts in the life of many needy people.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ksrct.ac.in/infrastructure/national-service-schemenss/

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

42

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those

organised in collaboration with industry, community and NGOs)**34**

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year**1952**

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration**3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work****703**

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)**50**

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

KSRCT campus is located in a sprawling 28.085 acres (1,13,656 sq m) of lush green campus with built up area of 1,22,893.74 sq m with 14 blocks. This sprawling campus exudes peaceful and relaxed environment which is an ideal place for teaching- learning process.

- The ambience of the campus is beautified with greeneries, covers area of 3.16 acres (12156 sq m)
- To strengthen an effective teaching-learning environment the campus is equipped with the following facilities
- All the class rooms are equipped with ICT facilities for effective teaching learning process
- Apart from regular class rooms, institution has smart class room, seminar hall with ICT / AV facility to facilitate the students with flipped class and blended learning
- To provide practical exposure to the students, every department is equipped with industry supported/sponsored laboratories. Product development / Project laboratories to facilitate the students with necessary facilities to do the projects.
- In order to encourage the research activities, every department is equipped with research lab. The laboratories are upgraded periodically to meet out the current requirements. In this connection, a few laboratories are exclusively intended for research activities, such as DST-FIST, DBT-Star College Scheme, DBT sponsored PG programme for M.Tech. - Biotechnology through GAT-B and research Lab through RPS
- Centres of Excellence (Laboratories) established to enhance the competency in specific domain in collaboration with reputed corporates like Virtusa in the Software Testing, Customers Relationship Management (CRM) and .Net Technologies, Aspire Systems in Full Stack Development, Augusta Hitech in Blockchain Technology, Autodesk in Fusion 360 and Revit Architecture, and Centre for Women Empowerment with DXC Technology in Cloud Infrastructure. The specific domains include Design and analysis, Manufacturing Process, Virtual Instrumentation, Addictive manufacturing, reverse

engineering, Internet of Things, Big Data and Data Analytics, Power system automation, Automation anywhere university for the robotic process automation.

- AICTE IDEA Lab: The Institution is one among the 49 Institutions selected across the country to establish 1.34 Crore worth Lab. The objective of the lab is to convert innovative ideas into products.
- The Institution has 1420 computers in 27 Labs with LAN and internet facilities. This includes central computing facility with 144 computers which is open between 09.00 am and 10.00 pm.
- The institution has Wi-Fi facility at various access points through which students/faculty can surf.
- The English Language Enrichment Centre covers an area of 230 sq. m, facilitates learners to excel in all the four skills of the language LSRW.
- The seminar halls and smart classrooms are well equipped with ICT facilities to promote effective teaching-learning process
- The Institution has IIC supported by MoE to promote innovation, start up and entrepreneurial ecosystem in the Campus

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

Institution is keen not only in developing the technical skills of the students, but also focus on the extra-curricular activities such as Sports/games, cultural activities. In addition to this to ensure the health and fitness of the faculty / students, Gym and yoga centre is available in the campus.

1. To establish the sports facilities, adequate budget is allotted to procure the kits and renovating the facilities.
2. The Institution has a playground with an area of 8 acres. It consists of indoor sports complex with ultra-modern gymnasium as well as facilities for outdoor sports such as basketball court and tennis court along with a cricket ground and football fields. In addition, a swimming pool

with an area of 2178 sq ft and open-air gymnasium are also functional.

3. The Institution is provided with an indoor stadium (6400) and facilitated with flood light basketball / Badminton Courts
4. To conduct the curricular and co-curricular events, an auditorium with an area of 10792.28 sq. ft. is made available for students.

To have the inner peace, a yoga centre / meditation hall is available with 1435.23 sq. ft for students and faculty

Facilities of Cultural Activities

KSRCT has a musical club namely Qudraphone and dance club namely KSRCT Dance Club.

1. The musical club is well-equipped with instruments like key boards, guitars, drum set and audio systems for the practice of students in 1076.00 sq.ft
2. KSRCT Dance room with size of 1076.00 sq ft has mirror, floor mat and AV system.

File Description	Documents
Geotagged pictures	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

105

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR

in Lakhs)

500.78

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Our College Library is automated with the details below:

Name of the ILMS Software : KSRCTCMS - LMS

Nature of Automation (fully or partially) : Fully Automated

Version : 8.0.86.

Year of Automation : 2009

Version: : 8.0.90. - Updated 2020

About Library

The KSRCT takes pride in having a Library housed in a two-storeyed block. The ground floor houses book stack area, circulation counter, and online public access catalogue facility. The first floor houses the Periodical Section, Reference Section, Book Bank, Reprographic Section and Digital Library. The Library has more than 1,05,256 Books and 293 Journals and Magazines subscriptions which include National and International. In addition to books and journals, 5 e-journal (744 Numbers) and e-book (6119 Numbers) packages are subscribed. Book Bank facility is also available for SC/ST students. All the back issues of journals and magazines are bound and kept for ready reference. All departments have their own library to cater to the instant reference needs of faculty members. The Library has computerized all its housekeeping operations using in-house development library software that is well maintained and updated regularly. Moreover, NPTEL video and web courses are also available. It uses state-of-the-art

technology in its function and services. KSRCT Library is a member of NDLI and DELNET for effective resource sharing.

Library Automation

The library services are fully automated using In-house Library Management System. All the transactions are fully computerized and all the documents are bar-coded. The bar-coded ID with Scanners is used for charging and discharging the documents

WEB OPAC:

Web Online Public Access Catalogue (Web OPAC) has been provided to the user. The user can browse and retrieve the library resources. OPAC module facilitates on the intranet and Internet environment.

Intranet : http://10.1.5.8/Library/Book_Search.asp

Internet: http://ctcms.ksrct.net/Library/Book_Search.asp

Sufficient numbers of systems are available in the Digital Library Section with Internet access facility to access the e-resources. Users can access for educational, research and development purpose. Non-book materials such as CDs, DVDs, text book tutorial CDs and periodical's CDs are also kept in the Library. NPTEL materials are also available.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.2.2 - Institution has access to the following: A. Any 4 or more of the above
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

30.04

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

1170

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

- Yes, Institutions has IT policy
- The college has 1420 computer systems with software and recent upgradations
- The college has 22 higher end servers for academic activities
- Every department has its unique computer laboratories with LAN and internet facility
- College makes use of open source software and also has

licenses for list of Software such as Microsoft campus agreement, Oracle 11g, Rational Rose, Qualnet Network Simulator, MatLab, Auto CAD, PRO-E, STRAP Suit 12.5, STADD PRO 2006, etc.,

- The institution is fortified by Gajshield firewall to achieve campus network security
- The computer facility is provided for the Student in the Ratio of 2:1
- The institution has high capacity Wi-Fi facility through various access points in the campus with concurrent access speed of 160 Mega Bytes per Second for the faculty and students' utility
- The Institution provides online mode of Teaching and Learning process through Microsoft Teams Platform
- All the systems have been provided with backup through the uninterrupted power supply
- Biometric attendance system is enabled for Faculty and non-teaching
- The Institute has 200 surveillance cameras
- The Examination for program oriented subject is fully automated with DIGIPRO software
- The College provides Media Center for e-content development
- The College community provides and maintains an official email to all the faculty and students in the domain name of ksrct.net

Updating frequency and Nature of Updates

Wi-Fi facility is updated based on the concurrent users in every year.

Details of WiFi facility:

Upgradation Date

No. of Access points

Locations

06.01.2012

03

Main Building, IT Park

10.08.2012

03

Main Library , Mechatronics Block

27.06.2015

04

Main Building Conference Hall, Academic Block

19.10.2015

02

IT Park

20.10.2015

01

IT Park

21.11.2015

10

Founder Hall, Kanini Karutharangam,

02.09.2016

04

Academic Block, 1st year Hostel, Internet Laboratory, New Hostel-I

04.08.2017

01

Staff Quarters

22.08.2018

01

NST Block

16.07.2019

02

PTC block

11.12.2020

01

IT Park

10.12.2021

01

Cyber Dome

23.12.2021

01

New Boys Hostel II

Internet Provider: M/S Pink Broadband Service Private Limited,
Salem

- IT Infrastructures:

- Internet connectivity is upgraded from 120Mbps to 160 Mbps
- A.Y 2019-2020: 210 computers were upgraded with Intel Core i5 processor 8GB RAM 500GB HDD
- Academic year 2019-2020: 2 new servers were purchased, with 1 server of 96 GB RAM, 10 TB HDD, and 1 server with 8 GB RAM, 3 TB HDD
- Academic Year 2018-19: RAM capacity of the 1 server system was upgraded from 4 GB to 8 GB
- A firewall "Gajshield" is installed for the security of the campus network with filtering features.
- HP Switches from 4 port to 48 port and Routers are used for inter and intra communication
- Cable structure is Star extended Topology with fiber

backbone connectivity and speed is 1 Gigabyte

- The entire college campus is linked with fiber optic network which helps to access the resources provided by the college
- The programming end semester examination system is completely automated using the Test Server(Digipro)
- All the systems have been provided with backup through the uninterrupted power supply.
- K7 antivirus software has been installed for all the systems.
- The Institute has 220 surveillance cameras.
- Biometric attendance system for Faculty and Staff.
- A centralized server room with 8 servers was set up.
- IoT lab was established in 2018-19.
- The Institution has unique Test server for online evaluation of the student performance in Training and Placement activities
- Laboratory automation (Programming Skill Development System) has been introduced through which students can practice and solve programming problems from anywhere, any time in and outside the KSRCT campus and it is very much used to assess the coding efficiency

The overall deployment of IT Infrastructure of college campus is done through system administration team, all academic and administrative IT requirements are addressed by this team

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2985	1420

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: **A. All four of the above Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

504.38

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

KSRCT has established systems and procedures for maintaining and utilizing physical, academic and support facilities such as laboratory, computer, classroom, sports complex, etc., The maintenance of physical, academic and support facilities are carried out by the respective departments with the help of the estate officer / housekeeping staff on daily basis and periodically. Necessary care has been taken to keep the equipment,

machines in the working condition. In case of breakdowns, standard procedure is followed to bring the equipment/machine in working condition. Supervisors and technicians are appointed to monitor and maintain the housekeeping and physical facilities. Description on maintenance and utilization of some facilities is as follows

Laboratories

Laboratories are operated and maintained by well-qualified and skilled technical staff. AMC is in place for certain equipment and ensure the renewal as per the schedule. Interested students can utilize the lab facilities beyond the working hours for practice, project and research activities. To ensure the same log / entry register is maintained to monitor the usage of the equipment in all the laboratories. The repair and servicing of equipment are carried out after obtaining statutory approval of the concerned Head of the Department, the Principal, and the Management. The lab in-charge and the concerned faculty ensure proper utilization of the laboratory premises and instruments/equipment. Hence, uninterrupted usage can be ensured by the students and faculty for the better learning.

Library

The Library is headed by the Librarian who supervises the maintenance and utilization of the premises and all the books, journals and magazines etc. The library staff maintains books in the lending as well as reference sections, stacked in catalogued racks segregated branch wise. The Library remains open from 8.00 am to 8.00 pm on all working days and 9.00am to 5.00pm on weekends and holidays. New books and journals (National & International) are procured by obtaining periodical requirement from HoDs, Faculty, students and Library committee. The issue and return of the borrowed books are maintained by the library software and the Library housekeeping operations have been computerised using in house development library software. Remote access of online content is made available to all the faculty and students. The subscription and renewal of the online journals are undertaken and looked after by the librarian and the library committee for each academic year. The faculty and students are encouraged for effective and efficient use of library facility by honouring them with the Best Library User Award. To enhance the self learning, resources available in Digital library such as online journals, CD packages and domain specific study materials in the NDLI websites

help students in upgrading their knowledge. GATE forum and Career guidance academy organise many orientation programmes on higher studies and cracking competitive examinations by inviting subject matter experts both physically and virtually.

Sports Complex

The Institution is accommodated with necessary play fields for various indoor & outdoor games. The Department of Physical Education functions under the able guidance of a Physical Director, Assistant Physical Director, Physical Directress, Gym instructor and Ground Markers. The Physical Director monitors the maintenance and utilization of the sports premises as well as all sporting items/equipment, grounds, etc. List of sporting items, equipment, etc. are maintained in stock registers. The issue and return of sporting items are supervised by the Physical director and his support staff. Service, repair of sporting premises and/or equipment/items are carried out as per the due standard procedures, with the approval of the Principal and the Management. The department provides systematic training and coaching for players in various sports and games. The Institution organizes annual sports meet and encourages the students to participate in the Intra and Inter Collegiate events and provides platform to flourish in all games to bring out laurels to the Institution. The periodical maintenance of Basketball and Volley ball Court, Athletic tracks and Cricket field are taken care of by the ground markers and supporting staff. The wooden flooring of indoor stadium is properly sealed and varnished with luminous flood lighting.

Central Computer Facility

In the digital era, the computing facility of the institution is to be taken utmost care. The Institute has 200 surveillance cameras. The institution is fortified by Gajshield firewall to achieve campus network security. The Central Computer Centre (IT Park) remains open from 9 am to 6.30 pm where students can walk in and access their needs of study. The system manager manages all the activities related to the computer systems and networking. He takes care of the maintenance of computer system, networking, provision of LAN connectivity and prepares schedules for providing computer service to all. Complaints/grievances about systems and/or peripherals are raised by faculty members and routed through their respective heads of the department to the system

administrator through the Principal for necessary action. However, the procurement of new systems is carried out only after the approval of the Principal and the Management based on the requirements of all the departments. The Institution has high speed internet connectivity and Wi-Fi facility with high bandwidth to download study materials made accessible to both members of faculty and students. Firewall, Antivirus, Microsoft campus manager renewal process to ensure the secure environment and authenticate usage.

Class rooms and Seminar Halls:

All the classrooms, seminar halls, auditoriums, etc. are ICT enabled and maintained under the supervision of the Estate Officer. Periodical cleaning of the classrooms and seminar halls are taken care of by the house keeping staff and record chart is maintained. All works related to periodic inspection, maintenance and repairs are carried out by the Estate officer and his team of technicians and housekeeping staff. Proper utilization of teaching premises is ensured by all the faculty members as per standard norms. The provisions like AV equipment, ICT equipment, A/C and Furniture are maintained periodically by the appropriate technical staff

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1400

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

469

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	http://ctcms.ksrct.net/NAAC/Criteria-V/5.1/5.1.3/AddInf.pdf
Details of capability development and schemes	View File
Any additional information	No File Uploaded

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

3336

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

694

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

64

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

15

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

9

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The Institution opens its diverse platforms to students of different branches and different years. Their representation in planning, decision making, and administrative committee hone their leadership skills and nurture their potential to the fullest for personal and collective growth and development. The empowerment in

the above three crucial roles sets them on a path to excellence and the academic ambience is conducive to the all-round growth of students. The joint efforts of students, faculty, staff and management add momentum to the Institution's growth. The students' representatives are spread across various cells, clubs and committees and work in close association with the Institution association's core and disciplinary committees. Student involvement in the Department Advisory Committee increases their responsibilities in the developmental measures of the department and that of the Institution. Their participation in Class Committee Meeting, Grievance Redressal Cell with Internal Complaint Cell, Anti Sexual Harassment, Anti-ragging committees Minority, SC/ST Cell guarantees them viable platforms to address and solve their personal issues amicably. The Internal Complaint Cell and the Anti-Sexual Harassment Cell are vigilant in sensing gender menace in any form and are quick to adopt practical measures in gender sensitization and abolishment of sexual harassment. They host awareness sessions on prohibiting, preventing and banning raging menace on and off campus in line with AICTE and UGC regulations, Supreme Court directives and State acts. The Hostel and Canteen Committee monitor the quality and hygiene aspects of food and invite feedback from peers The transport team ensures safe commuting to and from the Institution. The vibrant student participation in Professional Bodies -ISTE, IE(I), IEEE EMBS, PALS, Alumni Association, Communication Skills Club, Training and Placement & Higher Studies empower them to be job-ready through their intensive career development programmes. The library committee, Readers' Club and NDLI Club help in character building and healthy habit formation in absorbing the core values of life and education. Their involvement in newsletter preparation, Library, Readers' Club and NDLI activities also gives them skills in event management, and public speaking. Cultural Committee and Sports Committee cater to their personal values like leadership, comradeship, sportsmanship and celebration of togetherness. Training and Placement Cell empowers them on a regular basis to be job-ready through their intensive career development programmes. R&D, IIC, Start-up Cell, Idea Lab Product Development and IPR imbibe in them reflection, research and reference competencies, and, sharpen their abilities by tuning themselves for career and life. The Unnat Bharat Abhiyan, Women Empowerment Cell, Green Club, PAC Club, and NSS units inculcate in them social responsibility, ethical values and service in improving the social and economic well-being of the neighboring rural communities. The Swachh Bharat Committee holds regular cleanliness drives in and around the Institution. The student members of all these bodies work in collaboration with the

respective faculty teams for the holistic health of the academic and the civic community in and around the campus vicinity.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

5.3.3 - Number of sports and cultural events / competitions organised by the institution

29

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

KSRCT Alumni Association is a registered body with registration number SRG/Namakkal/22/2021 under Tamil Nadu Societies Registration Act, 1975. All graduates become members of alumni association. The main objective of the Association is to bridge the gap between the college and alumni. This association cultivates a strong bond between the institution, students and the alumni. It facilitates the students and Institution to know about the technological innovation, Academic curriculum, Entrepreneurship development and mentoring the current students as well. More over alumni are part of Board of Studies, Academic council, Governing council, and frequently invited as chief guest for the department events too. The office bearers of the Alumni association are elected once in every three years. Two executive committee meetings held on an average, every year and future plans were discussed. It is planned to have annual alumnimeet in the month of December every year. Alumni meet is a formal function which involves reunion, games, future plans, adding local chapters, alumni interaction with students, cultural programs by present batch of students followed by lunch.

- Alumni entrepreneur also has their lion's share in uplifting our institution. They come forward to sign MoU, organize seminars, workshops with institutions, provide job offers and equip student with the tech and world stuff.
- It is not only the corporate that fetches us the placement record it's also our alumni who multiplies the placement record.
- Alumni also contribute to the development of institution by taking part as an active member in the board of studies elevating the curricula and syllabi as required in the global platform.
- Alumni take part in the invited talk and share their knowledge and experiences to the student. In this forum the students are allowed to interact with the alumni to foster the rapport between the current student and old student.
- KSRCT offers "One student, one Alumni" alumni mentoring program. This gives the opportunity for the students to understand better and great exposure.
- As a last note, the main objective of this council is to develop Skilled KSRCTians as the nation marches towards "SKILLED INDIA". Our college join hands with the movement by creating skilled KSRCTians.
- Some of the Alumni are employed as faculty in the Institution. They play an important role in academic and institutional development.
- Every year we conduct Alumni Induction day for current final year student in the month of March and also provide the alumni mementos.
- Each alumnus contributes Rs.500/- towards membership of Alumni association which is used for providing financial support to the students.
- Alumni also contribute Alumni help fund for financially weaker students
- The alumni also contribute to Institute towards development apart from Membership Fee.The Alumni has contributed Rs.14,34,938/- to the Institution in the last 5 years

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Vision

To produce the most competent Scientists, Engineers, Technologists, Entrepreneurs, Managers and Researchers through quality Education.

Mission To achieve academic excellence in Science, Engineering, Technology, Management and Research through objective and innovative teaching methods; dedicated and duty conscious faculty; continual and consistent updation of facilities; welfare and quality improvement of the faculty and a system of continual process improvement.

Nature of Governance

The institution follows an autonomous and participatory mode of governance with all stakeholders actively in its administration. The Governing Body delegates authority to the Chairman, the Vice Chairman, the Secretary and the Principal. The Principal shares it with the Deans, Director, Heads of various Departments, Administrative Officer, Coordinators of various cells, and Conveners of various Committees in the Institution. IQAC of the Institution plays a key role in the preparation of the Strategic Plan of the Institution by consolidating the goals and objective of every Department and Cell/Club.

Perspective plan

The Management is assisted by Governing Council of the Institution, which takes over the planning and execution of various domains. The action plans are formulated in line with quality policy under the leadership of the Principal and the same are incorporated into strategic plans for effective implementation. The policy statements and action plans are tuned up for attaining the Mission of the Institution. Meetings with

stake holders like parents, alumni and employers are conducted periodically to receive their feedback for implementing some of the action plans in line with progress of the Institution. All aspects of the teaching, learning and evaluation process are assessed through regular course co-ordinators, module co ordinators, programme co-ordinators, board of studies and academic council meeting.

Participation of the faculty

The Principal, the Vice-principal, Deans, Directors, HoDs and senior faculty members plays key role in framing various policies and principles for proper academic, administrative and financial management of the Institution. Selective faculty members have been nominated as the members of Governing Council, Academic Council and BoS Committee of the Institution.

The Principal conducts periodic meetings with the Vice Principal, Deans, Directors, HoDs and coordinators of various Institutional committee to review outcomes from the implementation of action plans and make necessary changes in the action plans, if required. The minutes of meetings of the Principal with HoDs bearing the decisions taken and plans made at the administrative level and the role of the individual in implementing the quality policy are circulated to the faculty members for effective implementation. The HoDs disseminate such action plans and get feedback from the faculty members through department meetings.

Faculty are designated as programme coordinator, module co-ordinator and course co-ordinator at departmental level for monitoring continuous improvement in outcome-based education. Programmecoordinator conducts periodic meetings with the module coordinators to ensure the effective implementation of outcome based education.

Faculty are also deputed as class advisors, time table co-ordinators, BoS co-ordinators, exam co-ordinators, T&P co-ordinators, R&D co-ordinators, academic auditor, Institute Innovations Council Member, ICT Academy co-ordinators, budget co-ordinators, lab in-charges and co-ordinators of various cells/ clubs/ professional bodies

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://ctcms.ksrct.net/NAAC/Criteria-VI/6.1/6.1.1/AddInf.pdf

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The Institution is keen in promoting a culture of decentralized governance system for its growth. The Head of the Institution is empowered with full autonomy for overall monitoring of administrative and academic activities to cater to the Institution's Vision and Mission. The roles and responsibilities of decentralized administrator's /decision makers are listed below:

Administrative Autonomy

Administrative autonomy is decentralized to the Vice-Principal, Deans, Directors, HoDs, Administrative Officer, various Cell Coordinators as shown below for better governance. IQAC Autonomy

IQAC Coordinator has the autonomy to make modification / implement / channelize and systematize the efforts and measures towards academic excellence.

Financial Autonomy

Financial committee constituted by the Principal is given full autonomy to take decisions related to planning, implementation, and management of all the financial resources. It reviews the funding pattern, provides guidelines and strategies for mobilizing resources to support the implementation of the Institutions strategic plan, and the fulfilment of its vision and mission.

Academic Autonomy

The Board of Studies (BOS), the Academic Council and the Department Advisory Boards are given the power to design, implement, monitor and evaluate academic activities. Autonomous section has the freedom to decide on academic matters like curricula, syllabi and their quality assurance

Examination Autonomy

Controller of Examinations is responsible for the announcement of Examination Time Table, Preparation of Question Papers, Conduct of End Semester Theory and Practical Examinations, Evaluation of Answer Scripts, Declaration of results and Issuing of Grade Sheets. CoE has the autonomy to recommend the list of qualified students to the Anna University for the award of the Degree.

Student Autonomy

Students are assigned individual responsibility like Class representatives, Class committee members, Cell co-ordinators and representatives of various college events. They are given full power to discuss/ put forth the requirements/ suggestions in the meeting.

Case study on decentralization and participative management

KSRCT follows a decentralized approach in financial management. At the department level, budget co ordinator analyse the requirements for teaching, learning, research and outreach activities and prepare the budget. Budgets are then consolidated and forwarded to the Financial Committee with the approval of the HoD concerned.

In case of purchase of equipment's/ consumable, concerned faculty must submit a detailed proposal to the Purchase committee through respective heads. Purchase committee analyses the proposal and make recommendations based on merit of the case. Once approved by the committee, purchase can be initiated as per the financial power of the authority listed below,

The detail of financial powers to be exercised by the Principal

Purchase on lowest quotation basis - Rs.2,00,000/-

Lower of two/ higher quotation basis - Rs.50,000/-

Emergent purchase without quotation - Rs.50,000/-

All the Heads of the Departments

Rs. 3,000/- (without quotation)

Up to Rs.25,000/- (on lowest quotation)

Beyond Rs.2,00,000/- ,

Management approval is required to initiate the purchase process.

The Institution promotes the culture of participative management at all levels, which facilitate the faculty and students to give their view and suggestions to improve the quality of planning and implementation in all possible means.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented
Smart / Digital Campus with effective e-Governance

In line with the Institutes' strategic plan, KSRCT successfully implemented effective e-governance system with internal software and web development team to enable smooth transition from manual process to digital campus.

KSRCT CMS is an indigenously developed web portal to govern and maintain the day-to-day academic activities of the Institution. Meanwhile, Programming Skill Development System (DIGIPRO) is an in-house web Integrated Development Environment (IDE) to facilitate programming skillset of students.

Section

Features

KSRCT CMS - <http://www.ctcms.ksrct.net/>

Student

Student Profile, Attendance, Assignment/ Tutorial and Test Marks,

Lab Marks, Internal Marks, Semester Result, Feedback, Bonafide Certificate

Faculty

Faculty Profile, Biometric Attendance, Salary Receipt, Exam Duty, Assignment/ Tutorial and Test Mark Entry, Students Attendance Marking - OD, Leave, Permission

Academic

e-Circular, Academic Schedule, Internal Marks Generation, Subject Allocation, Attendance Proforma, SMS to Parents, Result Analysis

Library

OPAC, Book Reservation, e-Gate, Online Research repository, e-Contents, Question Bank

Exam

Seating Arrangement, Result publication

CAMPUSRANN - <https://ctplacement.ksrctdigipro.in/>

Placement

Students & Company Database, SMS/e-mail Triggering

DIGIPRO - <https://ksrctdigipro.in/>

Programming

C, C++, Java, Python, PHP, Perl, SQL, HTML, JavaScript, JQuery

Evaluation

Test cases passed, Logic used, Time taken, Compilation count and space used

Exam

Quiz, Online Proctoring - Live / Automated

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

Functioning of the various institutional bodies

To achieve the goals and objectives of higher education, Institute has a systematic policies and procedure of administration with constituted institutional bodies of which the Governing Body Council is highly authoritative. The president of the Society is the Chairman of constituted Governing Body Council as per norms. The Principal is the ex officio secretary of the Governing Body Council. He is the academic and administrative head of the institution and holds power to access and intervene as decisive authority of the administrative and academic councils.

Administrative set-up

The academic administration is preceded by the Vice-principal, Deans and Directors of the domain disciplines and followed by the Heads of the various department. Wherein all the Institutional matters are discussed with this composition before implementation for their instinct, guidelines and ensure the preparedness in dealing the same. Heads take charge and handle on their academic staff, non-teaching staff and students for any matter and takes the message to their higher official, herein case is the Directors or Deans

Academic Bodies

The Academic council followed by autonomous and Board of studies statutory takes essential monitorance on the curriculum matters like Programme to be implemented, courses to be included, syllabi improvisation and all amendments related to National policies for education are recommended in the BoS meeting of the various department.

Other institutional bodies

The Institution has a good strategically framed members on the board for all other essential statutory committees that take decisions and execute them with the help of members of non - statutory committees. The management has been extending its unfailing support to meet all the requirements in terms of human resources, financial management, infrastructure development etc.

Appointment procedures

Appointments are made based on the needs to run the Institute efficiently as well as to meet the AICTE student: staff ratio. The Institute has never failed to meet the minimal ratio and always have higher benchmark for quality educational needs with exceeding faculty/ student ratio.

Recruitment advertisements in the website, social media and newspapers were released and upon deadline the heads and scrutiny team take charge in selecting the candidate for the interview either by physical or virtual mode based on the situations. Selection committee consists of Principal, Dean/HoD, domain expert to confirm the selection. Post selection, which will be intimated to candidate to proceed the acceptance of the offer.

Service procedures

The service rules are framed by the Principal as per the AICTE norms in consultation with the Management and approved by the Governing Body. The service rules are made available in the Institutional website. The faculty shall conduct Lecture, Lab, Tutorial, Seminars and attend all other academic, co-curricular and extracurricular activities assigned to him/her and to the best satisfaction of the students and superiors. Also, the faculty shall work with fullest co-operation with others in the departments ensuring excellent working atmosphere. Promotion to a higher cadre depends on Experience, Teaching, Research and satisfactory academic and related activities in the Institution.

File Description	Documents
Paste link to Organogram on the institution webpage	http://ctcms.ksrct.net/NAAC/Criteria-VI/6.2/6.2.2/Organogram.pdf
Upload any additional information	View File
Paste link for additional Information	https://ksrct.ac.in/wp-content/uploads/2020/03/HR_Policy_Manual-2.pdf

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The Institution strongly believes that the state of wholesome health and wealth of employees can reflect in their work efficiency and dedication. Hence, the Institution has taken up immense responsibility on taking care of their well-being and created possibilities for both the teaching and non-teaching staff.

Health

- Faculty members and non-teaching staff avail medical facilities for both general and dental health in the Dental College Hospital.
- All the Faculty members and non-teaching staff were provided with group insurance facilities to support them at needy times.

- YOGA and Meditation classes are conducted to enrich their mental and physical health.
- Special in-house camps are conducted often considering their health perspective (Cancer screening, General health check-up, Vaccination, etc.,)
- Female staff and faculty can avail maternity leave for a period of six months.

Avenues

- Faculty members were provided with congenial work environment.
- Faculty members were given free transportation facilities.
- Free accommodation and food with subsidized cost is provided to both teaching and non-teaching staff of the institution in the hostels.
- Faculty / staff also can avail quarters constructed within the campus.
- Providing infrastructural facilities for doing research and consultancy.
- Faculty members and staff working hours are as per the norms; library staff members are working in shifts since the library is opening from 8.00 am to 8.00 pm.
- Summer and Winter Vacations for faculty and staff members
- Amenities like canteen, gym, post office, swimming pool, bank & ATM, RO water, stationary store are available inside the campus.

Wealth

- Faculty / staff can avail salary advance if any necessity arises
- The Institution follows the pay band as per the norms and revise them at every stage of their career growth in terms of experience, contribution, skills and responsibilities.
- The college is also facilitating its employees to avail loan from Provident Fund and gives reference to avail loan from the salary credited bank for their needy
- Institute has special provision for incentives on receipt of external funded projects
- Once in a Year the college is sponsoring for Tours to faculty members in all the department to rejuvenate their energy through the staff club
- Every year during Sports Day celebrations separate events were conducted for faculty members both for men and women and rewarded with monetary benefits.

- Faculty and staff can avail 25% fees concession for their children in the school run by the management.
- Financial support to "COVID-19" victim
- Seed Money provided for faculties to encourage them to undertake research projects
- Special allowance of Rs.10,000/- provided to the faculty with Ph.D. qualification.

Career development

- Institute provides On duty and financial support to undergo training programme, attend seminars, symposium, conferences, workshops at National and International level.
- Providing meritorious awards.
- Non-teaching staffs are given training in the basic computer operations and Microsoft Office products at periodic intervals.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

246

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

36

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

544

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institution has established a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance. KSRCT follows all statutory requirements for audits and accounting practices. Internal audit is conducted half yearly by the internal financial committee of the institution. The committee thoroughly verifies the income and expenditure details and the compliance report of internal audit is submitted to the management of the institution through Head of the Institution. External audit is conducted once in every year by an external agency.

Process of the internal audit

All vouchers are audited by an internal financial committee on half yearly basis. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. If any discrepancy is found, the same should be brought to the notice of the Head of the Institution.

Process of the external audit

The accounts of the college are audited by chartered accountant regularly as per the government rules. Institution has appointed statutory external auditor M/s.T.V.Venkatraman and Associates (M. No. 8925) to audit the accounts. External auditors audit the accounts once in a year. Any discrepancies during the audit will be discussed and sorted out with the supporting documents.

Audit procedures

1. Source of income verification

- Auditor will cross verify the fee collections and scholarships with approved list of students
- Other incomes cross verified with the receipts issued to the students.
- Fee amount receivable and amount received will be reconciled.
- Checking Grants received if any.

1. Expenses Vouching

- Auditor will vouch payment (Recurring and Non-recurring) with the approved supporting document.
- Correctness of revenue classification and capital expenses.
- Reconciliation of bank accounts and checking the bank confirmations.
- Calculation of depreciation of fixed assets.
- Status of the old debit/ credit balances.
- Salaries payments with the salary statements.
- Checking of statutory dues payment like PF, TDS, and ESI
- Any other statutory compliances verification required as per Income Tax Act.

1. Any queries, in the process of audit would be attended immediately along with the supporting documents.
2. Once all financial transactions are accounted, Balance sheet, Income and Expenditure statement for the financial year will be prepared.
3. Based on the audited financial statements, auditor will issue "Audit Report"

Mechanism for settling audit objections

During audit, the queries raised by the chartered accountant are

addressed by the finance committee and sorted out. Explanation to the queries has to be given within 15 days' time and rectification entries in next 10 days. Auditor reviews the audited financials, and after discussion with the Management, signs the financials before filing returns with the income tax department.

The institution did not come across with any major audit objection during the preceding years. However, areas of improvement are suggested by the auditor for implementation in the subsequent year. Typical suggestions that were discussed in the preceding years are:

- Expenditure over Income
- Cost optimization
- Too much unexpected expense to be avoided
- Avoid cash dealing

Purchase without approval of Purchase Committee

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

2.869

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Institute has well defined financial structure to ensure effective and optimal utilization of resources for academic, administrative, development and maintenance purposes.

Finance committee

The master key for taking financial decision and related matter are Finance Committee and the Governing Council. Financial committee nominated by the Principal has sole responsibility for planning, implementing, and managing all the financial resources. It reviews the funding pattern, provides guidelines and strategies for mobilizing resources to support the implementation of the Institutions strategic plan, and the fulfilment of its vision and mission.

Fund mobilization

Broadly, major internal resource mobilization is in the form of Academic Receipts (Admission fee, tuition fee, examination fee, etc.,). Meanwhile, the external sources of finance are research grants, scholarships, consultancy, revenue collection in the form of deposits (loans from banks) etc., In some cases, funds are raised from academic people, philanthropist, alumni and public through fundraising mechanism to meet expenses related to seminars, workshops, conferences, marathon and social cause.

Fundraising

It is obvious that each activity/ every person involved in fundraising activity on behalf of the Institution should obtain written permission from the Head of the Institution. In all cases, funds must be collected through Cash/ Cheque/ Demand Draft in favour of The Principal, K.S.Rangasamy College of Technology, Tiruchengode or by online transfer to the official account of the Principal.

Fund allocation

During the budget preparation, all the academic, department heads and various cell in-charges are requested to provide the annual budget requirements keeping in view of development and updating of laboratories, consumables, computing facilities, library, teaching-learning process, training, extension activities, software and etc., Finance committee will meet to deliberate the proposal and makes necessary changes for proper balance of receipts and expenditure. Also, committee ensures optimum utilization of available financial resources.

Fund utilization

Financial committee keeps track of the budget throughout the year and confirms adequate resources are spent for teaching-learning practices, salary and wages, library facilities, outreach activities, day-to day operational and administrative expenses, maintenance charges, purchase /up-gradation of laboratories equipment, etc., Optimum utilization of fund for purchase is ensured by the Planning and Purchase Committee. In any unforeseen circumstances, additional budget is allotted depending on the merit of the case.

Audits

Internal and external audit are carried out promptly and audit objection are taken care of.

Optimal utilization of funds is ensured by

- Allocating adequate funds for effective teaching-learning practices including conduct of FDPs, orientation programs, workshops, conferences, inter-disciplinary activities, and consistent upgradation of laboratories, R&D, library and sports facilities.
- Effectively utilizing the grants received from external funding agencies and procuring state-of-the-art equipment for project implementation. It can be utilized by the students and faculty for R&D and product development.
- Utilizing funds to meet day-to-day operational and administrative expenses and maintenance of the fixed assets.
- Providing adequate funds for development and maintenance of infrastructure.
- Allocating sufficient funds for social service activities as a part of ISR.

Experience in budget utilization during past years helps out in efficient budgeting and optimal utilization of the financial resources.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Digital Assisted Language Learning System (DALLS)

The Institution caters to the educational needs of the students hailing from rural areas. It is a known fact that the rural students face difficulty in the interpersonal communication and lacks in expressing their thoughts and opinions at times of interviews both technical and HR. Based on the feedback from stake holders and Alumni for the betterment of students in improving their Communication, Digital Assisted Language Learning System (DALLS) was introduced.

DALLS is a system of self-paced learning in a controlled laboratory activity and the capsule activities namely LSRW tasks are rolled out to the students in the form of online quizzes and activity-based learning. DALLS works on the Microsoft Teams Meeting & MOODLE Platform. DALLS incorporates the Activity-Based Learning (ABL) into the learning system. A discernible improvement is observed among the learners who are using this ABL method. This system of learning is not pivoted to the short-term learning but DALLS certainly supplements the learning habits of students and reinforces the practices of learners in honing their communication skills in the long run. DALLS has boosted the confidence and participatory skill of the students and a moderate level of improvement in the oral presentations. This system of learning is in good practice when compared to the earlier theory course.

DALLS has facilitated 1790 first year students since 2018-19 to improve their English Communication Skills in the first two semesters. In addition to this, 2171 second year students were imparted LSRW as a part of Career Competency Development I & II.

800 students of placement interested were able to take up the verbal ability part of the screening tests and acing the interviews confidently and qualitatively.

Innovation and Start-Ups

KSRCT ensures maximum exposure to students in innovation and pre-incubation activities at an early stage and to support the pathway from ideation to creation to market. Institution organizes idea and innovation competitions, hackathons, workshops, boot camps, seminars, conferences, exhibitions and mentoring mechanisms with academic and industry personnel, giving real-life challenges, awards and recognition. Institution has taken collective efforts to identify, scout, acknowledge, support and seed fund proven student ideas and innovations and further facilitate their entrepreneurial journey. Institution facilitates by inking MoU with M/s Chatting Birds and Vibazone, a representative Mr.Muthu Singaram, visit two days per month as an External member to our Campus and train the students in entrepreneurship and product development. KSR-PTC Centre of Excellence is provided with world class facility to facilitate innovation. Pre-incubation/Incubation support also been facilitated to the students and faculty members, who are interested in launching a start-up. The modalities of its operation royalty and rental will be decided on a case-by-case basis depending upon the nature of services and support offered through incubation centre. This practice and hard efforts has brought a robust innovation and start-up ecosystem in KSRCT.

Internal Quality Assurance Cell extends support and initiate the valuable academic activities to the Institution and paving way for such good practices.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://ctcms.ksrct.net/NAAC/Criteria-VI/6.5/6.5.1/AddInf.pdf

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

Examination System

The students' learning is measured in conformity with Blooms Taxonomy i.e. higher order thinking skills and lower order thinking skills. The examination system is modified to access the different level skills of the students' learning. The questions are mapped to test the skills at different levels and the course

outcomes are mapped with every question. This process is in existence for both internal as well as external exams. This type of strategic examination system helps to evaluate the students' performance on continuous basis and helps to develop their analytical thinking abilities.

Question paper Audit :

In order to maintain uniform assessment of internal and end semester examinations, question papers are audited periodically. Question papers of internal tests are audited at the respective department level by module coordinators. End Semester examination question papers are audited by experts who are invited from other institutions. Corrective actions are taken based on the audit.

Answer script Audit :

Students are provided with an opportunity to view their answer scripts (of each course) after completion of evaluation and announcement of results. This is aimed to bring more transparency and also reduces the number of re-totaling/re-valuation cases and End Semester examination answer scripts are audited by experts who are invited from other institutions. Corrective actions are taken based on the audit.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://ksrct.ac.in/quick-menu/igac/
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

K.S.Rangasamy College of Technology focusses on gender equality and has a functional framework to promote the level of educational and technical skills among the women students from rural background. Various cells have been formed to adjudicate and to rise women empowerment in the institution. Cells comprises of Grievances cell, Women Empowerment Cell, and Anti-Sexual Harassment Cell to look after the issues raised by the women.

Constitution of India is made as mandatory course for all the students. The prime importance was given with respect to curricular & co-curricular activities, the girl students are given equal chance to showcase their potential in all areas like sports, cultural and on the academic part too. The Institution has appointed women physical director to take care of the training / coaching and to accompany with them for the events. Women Empowerment cell often conducts various events and programs to bring out the hidden talents, Counselling assistance and mental health support

The Institution ensures female admissions to various programmes, scholarships and as lead role among student community cells and forums with equal ratio of office bearers to promote equality and provides equal opportunities for women faculty to take up leader positions.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://ctcms.ksrct.net/NAAC/Criteria-VII/7.1/7.1.1/SpecificFacilities.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy plant Wheeling to the Grid energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

K.S.Rangasamy College of Technology has implemented eco-friendly integrated waste management concept and practicing the reduced, reused and recycling principles regularly to make the Campus a green one. Important practices implemented in the Institution for sustainable waste management are Solid Waste Management, Liquid Waste Management, E-waste Management, Bio Medical Waste Management, Waste Recycling System and Hazardous Chemicals Management.

Organic waste such as tree leaves, flowers and papers are used as feed for mushroom cultivation plant in the Institution. Food waste is used in production of biogas. Food wastes, human excreta and cow dungs are used as feed for digester..

Over utilization of ground water and surface water are much reduced in our institution by following the three R principle. Liquid waste collected are conveyed to the waste water treatment plant and treated. This treated water is tested in Environmental Engineering Laboratory to determine its quality and it is reused for gardening and toilet flushing.

Institution takes utmost care in collection, storage and safe disposal of E waste. Paper consumption is considerably reduced in

the institution by adopting digital mode in all walks of works. In order to be an eco-friendly campus, usage of plastic bags is strictly banned inside the campus.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

A. Any 4 or all of the above

- 1. Green audit**
- 2. Energy audit**
- 3.Environment audit**
- 4.Clean and green campus recognitions/awards**
- 5.Beyond the campus environmental promotional activities**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance,

A. Any 4 or all of the above

reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

The Institution promotes value concerns to be rooted in contemporary contexts like various social issues and concerns like environmental sustainability where the interest in tree plantation drives, National unity, propagating the saving of river, Clean India campaign and plastic awareness are aroused. Students have participated in preparing cotton bags as alternative to plastic bags and are distributed to public as a complement. The Institution has taken up a project to clean the regional places like temple, public areas in villages to show the responsibility in building a clean and sustainable environment.

Students with social concern join hands with NSS/NCC volunteering team and participate in rallies for health awareness, stress management, health and hygiene awareness to village and do participate in various activities for the noble cause like marathon for cancer awareness, road safety awareness, etc. The positive relationships is cultivated among students for the development of cooperation and respect for a diversity of people and cultures that allow us to live and work in the realities of the world. The volunteering team of NSS and staff coordinators have contributed food, essential amenities like hand-wash, sanitizer, gadgets, human support, materialistic support and COVID-19 data filling support by the SM Volunteers.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

Constitution of India is a mandatory course for all firstyear students. The Institution offers 15 days' Student Induction programme to every first year students before the commencement of their regular classes in the first semester. They are mentored and inculcated with Universal Human Values. Professional Ethics course is also a part of curriculum to educate the students to resolve the moral issues in the profession. The Institution promotes consciousness among students about rights which are essential for protecting the citizens against the arbitrary exercise of power by the government. Rally on constitutional responsibilities is also organized frequently to make them aware and disseminate to others about the importance of voters' rights.

The Institution motivates the students to participate in election duties as their prime responsibility to help the government to increase the polling percentage of responsible voters. Students take oath on National Unity Day on October 31 and National Voters' Day on January 25, and their participation in pledge is also regular in Grama Shaba Meetings. KSRCTians are also aided in bringing the same constitutional values among the village people by making them to take part in panchayat meeting and ensuring the voters responsibilities.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on A. All of the above

the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

K. S. Rangasamy College of Technology rejoices with certain memorial days with the due respect. The Institution regularly celebrates Teachers' Day and National Youth Day by sharing greetings to members of faculty and students, and by flowering the portraits of Sarvapalli Dr. Radhakrishnan and Swami Vivekananda. Independence Day and Republic Day are national commemorative days observed by formal parade and flag hoisting. Special competitions like essay writing, poster and drawing competitions are organized for the students.

Dr. APJ Abdul Kalam's Birthday Day and Engineers' Day are celebrated by paying tributes and flowering the portraits of Dr. APJ Abdul Kalam and Dr. Visvesvaraya respectively by organising essay and quiz competitions every year. Virtual Independence Day Runwas organised in 2020 and 2021 to propagate physical fitness among the stakeholders in the face of pandemic.

National Education Day is celebrated to honour the birth anniversary of Shri. Maulana Abul Kalam Azad by the NSS volunteers with a guest lecture presented by a renowned personality. Martyrs' Day is observed in remembrance of the assassination of Mohandas Karamchand Gandhi by observing silence for 2 minutes in the classrooms. International Women's Day is observed in a grand manner

with many special events, and gifts.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Institution's Innovation Council (IIC)

Objective :

1. To create a vibrant local innovation ecosystem.
2. To have a start-up supporting mechanism in the Institution.

The Context

IICs' is to engage faculty, students and staff in various innovation and entrepreneurship related activities such as ideation, Problem solving, Concept development, Design Thinking, IPR, project handling and management at Pre-incubation/Incubation stage, etc., so that innovation and entrepreneurship ecosystem gets established and stabilized.

Evidence of Success

IIC has bagged "3 Star" Rating in IIC 1.0 and "5 Star" Rating in IIC 2.0. KSRCT-IIC is the recipient of AICTE-Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES) - Grant worth - Rs.1,00,000/-.

The Institution is indebted to KSRCT-IIC for its achievement for being categorized among Band-Excellent group in Atal Ranking of Institutions on Innovation Achievements (ARIIA) Ranking 2021 under among Self-financing/ Private institutions (Technical).

Problems Encountered and Resources Required

The COVID 19 pandemic and accompanied lockdown were negating the fruitful collaboration of students for a vibrant local Innovation system but the IIC members have overcome the obstacle of the confluence of young minds by both physical and virtual transaction of ideas among them.

File Description	Documents
Best practices in the Institutional website	Nil
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Institutional Distinctiveness

Programming Skill Development System (PSDS)

Programming Skill Development System (PSDS), also known as Digipro, is an indigenous web Integrated Development Environment (IDE) that facilitates more efficient and effective programming skills and improvises the logical thinking ability of students.

Objectives of PSDS

1. To inculcate the logical thinking and improve the programming skills.
2. To facilitate students to execute the codes in any programming languages such as C, C++, Java, Python, PHP, SQL, HTML, JavaScript, JQuery after the logical thinking process.
3. To equip students to be self-reliant in programming and code testing..

Other Utilities of Digipro

1. A powerful platform to conduct online examinations both MCQs and descriptive questions
2. During pandemic period, Digipro was effective in extending proctored online Examinations, and thereby efficiently

support the progress of academic activities and examinations online

3. The platform was diligently developed to conduct internal hackathons and codeathon contests and help in identifying efficient top coders in the departments.
4. The platform was used as the Assessment Tool Support for the first level recruitment process by the companies such as M/s Coding Mart Technologies, Bengaluru and M/s Granite River Labs Technology (GRL) Pvt. Ltd. Bengaluru

The web link of Digipro is : <https://www.ksrctdigipro.in/>

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Curriculum Design Process at KSRCT: Effective curricula and syllabi is designed in Board of Studies (BoS) meeting conducted in every semester based on the guidelines of UGC, AICTE, affiliated university and feedback from various stakeholders. Standing committee on academic council deliberates on the curricula and syllabi suggested by members to present at academic council meeting. The academic council, on deliberation, recommends modifications and suggestions for the implementation. The curricula of all the programmes is framed and updated regularly by focusing on employability as the students are from rural background and first graduates.

The Choice Based Credit Systems supplements the industry requirement and to develop specific skill sets. One credit courses and open electives are offered with industry experts are introduced from the academic year 2014. Also, the students are allowed to take online courses and self-study courses through NMEICT, SWAYAM NPTEL, ICT Academy Learnathon and Udemy. To enhance the employability, aptitude, soft and life skills are offered through courses such as Career Competency Development, Universal Human Values . Entrepreneurship skills are imparted to students through mandatory courses, Innovation and Start-ups, IDEA Lab. Programming for Skill Development System/DigiPro tool is used to enhance the programming skill among the students for career enrichment.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	http://ctcms.ksrct.net/NAAC/Criteria-I/1.1/1.1.1/COs,POs,PSOs.pdf

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

22

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

715

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

675

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

22

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The curricula of the Institution gives high importance not only for the technical aspects, also for life skills and sustainability which addresses the environment related and energy related issues. The curricula pertaining to life skills which addresses professional ethics, gender, Universal Human Values are offered are known as cross cutting issues. UHV course has been introduced in the curriculum to develop a holistic perception for self-exploration among themselves and also with family members. Necessary training has been given and arranged to the faculty who handles these courses.

The various student clubs like Institution Innovation Cell, Entrepreneurship Development Cell, Swachh Bharat, Unnat Bharat Abhiyan, Institutional Social Responsibility Clubs, Service Motto volunteering team, Eco Club, Swacchatha Action Plan etc., are actively functioning to enrich the human values and ethics and significance of environmental protection.

The curricula of R2014 and R2018 includes courses related to environment such as Waste Water Management, Environmental Science, Environmental Hazards and Management, Pollution and its Management, etc imparts environmental education among the students.

One student one tree concept has been implemented at our campus effectively to make the students understand about the environment sustainability. The institution is awarded with "One District One Green Champion" by MGNRCE.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

62

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

2954

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1772

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	A. All 4 of the above
File Description	Documents
Provide the URL for stakeholders' feedback report	http://ctcms.ksrct.net/NAAC/Criteria-I/1.4/1.4.1/AddInf.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded
1.4.2 - The feedback system of the Institution comprises the following	A. Feedback collected, analysed and action taken made available on the website
File Description	Documents
Provide URL for stakeholders' feedback report	http://ctcms.ksrct.net/NAAC/Criteria-I/1.4/1.4.1/AddInf.pdf
Any additional information	No File Uploaded
TEACHING-LEARNING AND EVALUATION	
2.1 - Student Enrollment and Profile	
2.1.1 - Enrolment of Students	
2.1.1.1 - Number of students admitted (year-wise) during the year	
782	
File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File
2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)	
592	

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Identifying the capacity of students as an advanced/slow learner will help to improve their performance both in academics as well as in their personal life. Identification of students securing less than 50% are identified as slow learners and this practice is being done after each and every Continuous Assessment Test. Advanced learners are identified by the class handling faculty based on their academic performance and co-curricular activities. Mentoring is provided to both the advanced and slow learners to enhance their skills.

Activities for advanced learners:

- Facilitated to apply for fellowships and internships and for higher studies
- Encouraged to do "online courses" in NPTEL, Udemy, Coursera, and other online certifications.
- Final semester courses are provided in the fast-track mode facilitating them to go for internships and projects in industry
- Special training is being given to advanced / fast learners for placement

Activities for Slow learners

- Coaching classes by the course handling faculty for regular courses. The improvement showed by them is recorded and accordingly follow up actions are taken.
- The soft and communication skills are given special emphasis for the students from rural background to improve these skills and thereby bring them at par with regular learners.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2021	2985	337

File Description	Documents
Upload any additional information	No File Uploaded

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

Experiential Learning

Students are taken to Industrial visits and they are encouraged to go for In-plant trainings. Industrial visits are arranged for courses, the students are currently studying or for the courses they have completed. Activity based learning / project based learning ensures the better outcome. A group of elective / open elective courses are included with practical component so that every student gets an experience of practical learning in the domain of his choice once during the program. 8 weeks Internship is mandatory for every student in R2018, Students are also permitted to do online internships during the pandemic. Virtual laboratories are used for doing experiments wherever applicable.

Participative learning:

Faculty conduct role play / group discussion/case studies/ Flipped classes in the class rooms apart from conventional teaching methodologies. Flipped class also improves the lifelong learning skills of the students. Every teacher uses any of these methodologies for a particular topic.

Problem Solving Methodologies

This helps students to solve the real-world problems as well as apply the concepts learned in theory. Tutorials are conducted for analytical courses during regular classes. One faculty is allotted for a group of 20 students during the tutorial classes. PSDS (Programming Skill Development System), Neopat/examly portal are used for developing the programming skill of the students and solving the problems. Inter departmental codethans are being conducted to improve the problem solving /logic building of the students every year. Through M/s codechef and Neopat regular hackathons and programming challenges conducted to improve the problem solving ability.

File Description	Documents
Upload any additional information	View File
Link for additional Information	http://ctcms.ksrct.net/NAAC/Criteria-II/2.3/2.3.1/AddInf.pdf

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

At KSRCT, the importance of digital literacy is understood. All faculty are advised to use ICT tools as and when required and required facilities are provided. All Class rooms are equipped with multimedia projectors and computer connectivity. Further smart class rooms for online learning are also made available. With the system of online learning, all resources are made available online in MS Teams platform. Quizzes are being conducted through this platform regularly and continuous assessment tests and end semester exams are also conducted using this platform during the pandemic.

Programming courses are taught through PSDS (a platform for interactive learning). This is a web IDE that gives more efficient and effective programming skills and improvising the logical thinking ability for students and faculty as well. Unique features of this IDE is that it automatically checks the logic using test cases options.

MOOC/NPTEL courses are taken by students with faculty mentors available for guidance. Course videos from NPTEL/MITOCW and

other online resources are made available to students by faculty. With blended learning using MOOC, flipped classes are also being conducted through YouTube activities.

With the online mode, various events like guest lectures, conferences, symposiums are being conducted in online platforms enabling student participation from remote areas. Virtual laboratories helped and ensured the practical classes even during the pandemic. This will help the students who missed the topic and the slow learner for gaining good knowledge.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.ksrctdigipro.in/
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

337

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

IQAC, Academic Co-ordinator and Principal prepare the academic calendar and circulate before the commencement of classes in the beginning every year. This contains the annual working days, schedule of all curricular activities including continuous assessments and end semester examinations. The academic calendar is sent as a circular and is made available to the faculty and students. This helps the students to plan and prepare themselves for internships during semester holidays.

The log book also has the following details helping for

effective delivery of the course content to attain the Program outcomes.

- Vision and mission of the Institute and Department
- PEOs and Program Specific Objectives
- Program Outcomes and Course outcomes and their mapping
- Content beyond the syllabus
- Guest lectures arranged for various topics
- Experiential learning methodology used
- Theory/Tutorial/Laboratory classes handled
- Support classes for slow learners
- Performance analysis of Students
- Remedial measures taken
- Class/personal time table

The academic plan is structured in accordance with the needs of Outcome Based Education prescribed by National Board of Accreditation (NBA). The contents of the plan include:

- Course pre-requisites
- Course objectives and outcomes
- Mapping of course outcomes with program outcomes
- Learning resources
- Delivery methodologies
- Assessment methods
- Detailed unit wise lecture plan
- Assignment and tutorial questions
- Model question paper
- Link to the video lectures
- Additional information over and above the curriculum

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

329

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

121

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

9.5

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms**2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year**

15

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Examination procedures

All the candidates registering for the examination must follow the Rules and Regulation. Students have to Register for semester examinations as per Academic schedule as well as Circular issued by the Office of Controller of Examinations. Hall tickets are issued prior to commencement of Examinations.

Question papers are prepared as per Revised Bloom's Taxonomy and Course Outcomes. Question paper setters and Examiners related to various activities are recommended by the concern Board of Studies. Question paper Scrutiny is carried out and any error found is rectified by concerned Module coordinator or subject expert assigned by concern Chairman Board of Studies.

Results are declared and students can opt for Photocopy as well as Revaluation based on their need. Examination Audit is conducted to improve the Examination system.

Processes/Procedures integrating IT

Students are assessed by Continuous internal assessment and Semester End Examinations. Continuous internal assessment is predominantly IT integrated. Question banks are also available in electronic format. Students can track their performance in CTCMS.

•Continuous Internal Assessment System

In the Present Regulation R-2018, Quiz is introduced in the internal continuous assessment. Internal Evaluation generally consists of three tests each carrying ten marks, Three assignment / Tutorial for five marks and two Quizzes for ten marks. Another important step taken towards Skill improvement is Internship. It is made compulsory for all the students and it is mandatory to qualify for the Degree. Provision for Retest and Improvement tests are there for needy students.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

Six UG programmes are accredited by NBA under Tier I category and Outcome based Education is being followed in all the departments in the entire institution. Every department has vision and mission statements and they are framed in consistent with the vision and mission of the institute. Program Educational Objectives (PEOs) are framed in consistent with the mission of the department. Program Specific Outcomes (PSOs) are framed to help attain the PEOs and hence the Mission of the department. Every course in the curriculum has 5 course

outcomes (COs) which are specific and measurable and they help to attain the program outcomes and hence the Outcome Based Education is being practiced.

To help students understand the process of Outcome based education, faculty advisors discuss about Program Specific Outcomes and the Program outcomes in the beginning of every semester in the class. They are further displayed/printed in College website.

Course outcomes for every course offered is included in the syllabus book and also displayed in the website (KSRCTCMS). The faculty handling the course discusses the COs in the class in the beginning of the semester and correlated it when completing the respective portion of the syllabus. All assessment Question papers including tests, assignments/tutorials and quizzes have the questions with the corresponding CO being addressed.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Attainment of COs

Different assessment methods adopted for COs attainment

Two different assessment methods are adopted to measure the attainment of COs in each course.

1. Direct assessment methods (80%)
2. Indirect assessment methods (20%)

Cumulative COs attainment

COs attainment = [80% Direct assessment + 20 % Indirect assessment]

Cumulative COs attainment for a course for the class strength N is shown in figure 2.6.2.2.

Attainment of POs and PSOs

Different assessment tools used to measure the attainment of POs & PSOs with frequency of evaluation

Direct Assessment

POs and PSOs are measured directly from the COs. The attainment of POs and PSOs through curriculum can be quantitatively measured by assigning weights to the COs that are contributing to a particular PO COs are measured from the data collected from assignments/tutorials, internal assessment tests, course end surveys etc.

Indirect Assessment

The program exit survey is a questionnaire answered by every student upon completion of the program. Alumni survey and experiential learning such as Internships, Workshops etc are used to obtain indirect attainment of POs and PSOs.

Cumulative POs & PSOs Attainment

The attainment of POs and PSOs are based on the contribution of direct and indirect assessments as per the weightage given below.

PO / PSO attainment = 70% of Direct assessment + 30% of Indirect assessment

Cumulative POs and PSOs attainment is recorded at the end of every academic year, analyzed and deliberated in BoS, PAC and DAB for the improvement of POs and PSOs in the forthcoming years.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

921

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	http://ctcms.ksrct.net/NAAC/Criteria-II/2.6/2.6.3/AddInf.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://drive.google.com/drive/folders/1YvyLJrCDBudNkzBbMW-ahLfRviZGh9wX>

RESEARCH, INNOVATIONS AND EXTENSION**3.1 - Promotion of Research and Facilities**

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Objective:

To promote research and development activities at K.S. Rangasamy College of Technology

Research promotion policy of KSRCT aims to rise and share knowledge through quality education, research and innovation. To achieve this goal, the institution seeks to strengthen research and innovation activities by motivating members of faculty and students in their desired path of research and career. Encourages faculty and students to come up with new ideas to deal with hands on practical problem-solving projects in teamwork. Motivate faculty and student to work on inter disciplinary/ multi-disciplinary research collaboration with other departments, institutions and university and also

arriving the eco system .

Members of faculty are motivated and rendered financial support to apply for Research Grants/Infrastructure to various funding agencies of both Government and Non-Government organizations. The institution takes in preparing an effective funding project proposal and budget, which are constructive and valuable for the upcoming generation to meet out their needs.

The institution supports the researchers through Internal Funding -Seed Grants. The Research and Development division has mandated Research Funding Schemes through Seed Grants to encourage faculty researchers for Research paper publications, Patents, Book / Book Chapter publications, Collaborations with National and International Institutions to conduct programmes such as conferences, seminars, workshops project proposal, patent filing and FDPs related to research and innovation. This seed grant scheme shall offer financial assistance upto Rs 5 lakh to individual or to team of faculty (Interdisciplinary/Multidisciplinary Research Centers) to establish basic research infrastructure.

Institution provides incentives as a success factor to travel in the path of research. It is proposed that a faculty succeeding in getting the external research grants from outside agencies shall be entitled for an appropriate incentive for the sanctioned project.

Faculty members are motivated to apply for the travel grant to the funding agencies for travelling abroad in accordance with his/her research activity. The institution supports the faculty members to attend conference/workshop relevant to their field of research in India and Abroad on duty and a fund to pay the registration fee. Permitting faculty members to present as keynote speaker/plenary lecture in conference/seminar, etc. The college also funds the faculty members for preparing the testing analysis report and for filling patent.

Motivates PG students to join as full-time research scholar under the "Institutional Research Fellowship" the selected candidate will be paid monthly stipend of Rs 10,000/ for a period of three years. The job opportunities also provided to students, who have completed Ph.D in our institution under JRF/SRF scheme.

Motivates the faculty members completing Ph.D degree with an increment of Rs. 10,000/- for Engineering discipline and Rs. 6,000/- for Science and Humanities. The institution provides 24 x 7 hours of lab facilities, internet, e-library and library utilization to inspire the research culture among faculty and scholars.

To promote research activities in the Institution, the college has a well-defined research promotional policy in sync with the Vision and Mission of the Institution. This promotional policy is updated and implemented based on current scenario and it is well available in the college website.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://ksrct.ac.in/academic/rules/faculty/research-promotion-policy/
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

2.755

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

29

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

210.07

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

12

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

52

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

10

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

This business plan addresses a variety of issues associated with creating and operating a Technology business incubator at K.S.Rangasamy College of Technology, Tiruchengode, Namakkal

District in Tamil Nadu. It is to be developed based on the findings of a comprehensive market feasibility study for Business Incubation Opportunities in Erode and Namakkal district to conduct expertise in business incubation.

Purpose

The proposed mission of the incubator is to stimulate the establishment and growth of technology-based start-up companies and other compatible businesses. By fulfilling this mission, the incubator would contribute to job creation, and provide for enhanced economic health to the region.

Description The technology business incubator would provide new and emerging technology (Digital Manufacturing, Rapid Prototyping, Reverse Engineering, Internet of Things and Industrial Automation) and compatible businesses with an environment that would support their start-up phase and increase their likelihood of success. The proposed incubator includes facility space, shared use of common office equipment, direct business assistance and guidance, mentoring, networking to capital, and other technical resources. A network of existing resources in our institution would be developed to support incubator client needs. Approximately 15-25 clients at a time would be served within the incubator. The facility, proposed with 6,600 square feet, would include a mix of office and lab space.

Proposed Organizational Structure

The incubator would be governed by a board of approximately 10 members comprised of individuals with a mixture of entrepreneurial and technology experience, representatives of key economic development organizations, and representatives of area higher education institutions. The proposed incubator would be staffed by an Executive Director whose responsibilities would be to provide and/or facilitate access to value-added services needed by incubator clients, recruit and screen potential new incubator clients, and manage the overall operations of the incubator.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://iic.ksrct.ac.in/

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

116

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

7

File Description	Documents
URL to the research page on HEI website	https://ksrct.ac.in/research/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

191

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

101

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

545

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

30

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

18.198

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

23.679

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Objective:

- To carry out the extension activities in neighborhood for the community sensitizing students holistic development.

Extension activities are categorized into as follows:

1. Social Service

Interested members of faculty and students as social service activity are

involved to support the societal needs

1. Developing Application

Institution strongly believes that Science and Technology shall solve the social issues. Hence, the members of faculty and students are motivated to develop applications/ products to cater to the needs of the society.

The students of K S Rangasamy College of Technology along with academic part of studies it lends hands to social services. Created the awareness towards community issues, gender disparities, Social inequity etc and inculcating values and

commitment to society. The processes and strategies inherent in such activities relevantly sensitize students to the social issues and contexts Sustainable practices of the institution leading to superior performance results in successful outcome in terms of generating knowledge useful for the learners as well as the community. The extension also is the education which emphasizes community service. The students of KSRCT have been serving the society through various extension and outreach activities regularly. The activities are conducted in collaboration with communities and non-government organizations through NSS, NCC, UBA, YRC, RRC Swatch Bharath and Women Empowerment Cell.

National Service Scheme of KSRCT organized activities like Blood donation camp , Plastic awareness program , Yoga day Celebration , Vigilance Awareness, Dental camp, Breast cancer awareness, Eye Screening camp, Tree Plantation, Cancer awareness Camp, Road safety rally, Painting and Renovation of school buildings, Orphanage and old age home visit...etc

The students participated actively in the "International Yoga Day" as Yoga is considered to be the best art to control the mind through the body. Activities like Save river and tree plantation drive seeded for the Green Revolution, Blood donation camps in collaboration with the government hospitals (twice a year), where the members of faculty and students donated blood for the cause. Our NSS unit has a wide vision of protecting our globe from global warming by creating awareness among the people through programs like saying 'NO' to plastics. At the time of Covid19 pandemic our NSS team, distributed masks, food, Sanitizer to Public & Police department. This wing has taken care of arranging guest talks on topics related to Gender issues, Health care, Women's security, etc.

Swatch awareness rally, Open Defecation Free campaign, Free from plastics campaign was conducted through Swatch Bharath and Unnat Bharath Abhiyan.

The National Cadet Corps of KSRCT conducted Blood donation camp, Dental camp to aid the poor people and students. NCC organized army attachment camp, combined army training and trekking for students to mould them to serve the nation. NCC organized awareness programs on Road safety, Environmental awareness and other community services for the benefit of society.

NCC, NSS, YRC, RRC of KSRCT in association with Tamilnadu Police organized awareness programme on "Narcotic Drugs & Psychotropic Substances" to the students and public and officials from Police department, Namakkal District acted as a resource person.

Apart from the above, Institution also has SM - Social Media volunteering Team. It comprises of both members of faculty and students. This team vibrantly involves in various social service activities and creating positive impacts in the life of many needy people.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ksrct.ac.in/infrastructure/national-service-schemenss/

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

42

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

34

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

1952

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration**3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work**

703

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

50

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES**4.1 - Physical Facilities**

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

KSRCT campus is located in a sprawling 28.085 acres (1,13,656

sq m) of lush green campus with built up area of 1,22,893.74 sq m with 14 blocks. This sprawling campus exudes peaceful and relaxed environment which is an ideal place for teaching-learning process.

- The ambience of the campus is beautified with greeneries, covers area of 3.16 acres (12156 sq m)
- To strengthen an effective teaching-learning environment the campus is equipped with the following facilities
- All the class rooms are equipped with ICT facilities for effective teaching learning process
- Apart from regular class rooms, institution has smart class room, seminar hall with ICT / AV facility to facilitate the students with flipped class and blended learning
- To provide practical exposure to the students, every department is equipped with industry supported/sponsored laboratories. Product development / Project laboratories to facilitate the students with necessary facilities to do the projects.
- In order to encourage the research activities, every department is equipped with research lab. The laboratories are upgraded periodically to meet out the current requirements. In this connection, a few laboratories are exclusively intended for research activities, such as DST-FIST, DBT-Star College Scheme, DBT sponsored PG programme for M.Tech. - Biotechnology through GAT-B and research Lab through RPS
- Centres of Excellence (Laboratories) established to enhance the competency in specific domain in collaboration with reputed corporates like Virtusa in the Software Testing, Customers Relationship Management (CRM) and .Net Technologies, Aspire Systems in Full Stack Development, Augusta Hitech in Blockchain Technology, Autodesk in Fusion 360 and Revit Architecture, and Centre for Women Empowerment with DXC Technology in Cloud Infrastructure. The specific domains include Design and analysis, Manufacturing Process, Virtual Instrumentation, Addictive manufacturing, reverse engineering, Internet of Things, Big Data and Data Analytics, Power system automation, Automation anywhere university for the robotic process automation.
- AICTE IDEA Lab: The Institution is one among the 49 Institutions selected across the country to establish

1.34 Crore worth Lab. The objective of the lab is to convert innovative ideas into products.

- The Institution has 1420 computers in 27 Labs with LAN and internet facilities. This includes central computing facility with 144 computers which is open between 09.00 am and 10.00 pm.
- The institution has Wi-Fi facility at various access points through which students/faculty can surf.
- The English Language Enrichment Centre covers an area of 230 sq. m, facilitates learners to excel in all the four skills of the language LSRW.
- The seminar halls and smart classrooms are well equipped with ICT facilities to promote effective teaching-learning process
- The Institution has IIC supported by MoE to promote innovation, start up and entrepreneurial ecosystem in the Campus

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

Institution is keen not only in developing the technical skills of the students, but also focus on the extra-curricular activities such as Sports/games, cultural activities. In addition to this to ensure the health and fitness of the faculty / students, Gym and yoga centre is available in the campus.

1. To establish the sports facilities, adequate budget is allotted to procure the kits and renovating the facilities.
2. The Institution has a playground with an area of 8 acres. It consists of indoor sports complex with ultra-modern gymnasium as well as facilities for outdoor sports such as basketball court and tennis court along with a cricket ground and football fields. In addition, a swimming pool with an area of 2178 sq ft and open-air gymnasium are also functional.
3. The Institution is provided with an indoor stadium (6400)

and facilitated with flood light basketball / Badminton Courts

4. To conduct the curricular and co-curricular events, an auditorium with an area of 10792.28 sq. ft. is made available for students.

To have the inner peace, a yoga centre / meditation hall is available with 1435.23 sq. ft for students and faculty

Facilities of Cultural Activities

KSRCT has a musical club namely Qudraphone and dance club namely KSRCT Dance Club.

1. The musical club is well-equipped with instruments like key boards, guitars, drum set and audio systems for the practice of students in 1076.00 sq.ft
2. KSRCT Dance room with size of 1076.00 sq ft has mirror, floor mat and AV system.

File Description	Documents
Geotagged pictures	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

105

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

500.78

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Our College Library is automated with the details below:

Name of the ILMS Software : KSRCTCMS - LMS

Nature of Automation (fully or partially) : Fully Automated

Version : 8.0.86.

Year of Automation : 2009

Version: : 8.0.90. - Updated 2020

About Library

The KSRCT takes pride in having a Library housed in a two-storeyed block. The ground floor houses book stack area, circulation counter, and online public access catalogue facility. The first floor houses the Periodical Section, Reference Section, Book Bank, Reprographic Section and Digital Library. The Library has more than 1,05,256 Books and 293 Journals and Magazines subscriptions which include National and International. In addition to books and journals, 5 e-journal (744 Numbers) and e-book (6119 Numbers) packages are subscribed. Book Bank facility is also available for SC/ST students. All the back issues of journals and magazines are bound and kept for ready reference. All departments have their own library to cater to the instant reference needs of faculty members. The Library has computerized all its housekeeping operations using in-house development library software that is well maintained and updated regularly. Moreover, NPTEL video and web courses are also available. It uses state-of-the-art technology in its function and services. KSRCT Library is a member of NDLI and DELNET for effective resource sharing.

Library Automation

The library services are fully automated using In-house Library Management System. All the transactions are fully computerized and all the documents are bar-coded. The bar-coded ID with Scanners is used for charging and discharging the documents

WEB OPAC:

Web Online Public Access Catalogue (Web OPAC) has been provided to the user. The user can browse and retrieve the library resources. OPAC module facilitates on the intranet and Internet environment.

Intranet : http://10.1.5.8/Library/Book_Search.asp

Internet: http://ctcms.ksrct.net/Library/Book_Search.asp

Sufficient numbers of systems are available in the Digital Library Section with Internet access facility to access the e-resources. Users can access for educational, research and development purpose. Non-book materials such as CDs, DVDs, text book tutorial CDs and periodical's CDs are also kept in the Library. NPTEL materials are also available.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

30.04

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)**4.2.4.1 - Number of teachers and students using the library per day during the year**

1170

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

- Yes, Institutions has IT policy
- The college has 1420 computer systems with software and recent upgradations
- The college has 22 higher end servers for academic activities
- Every department has its unique computer laboratories with LAN and internet facility
- College makes use of open source software and also has licenses for list of Software such as Microsoft campus agreement, Oracle 11g, Rational Rose, Qualnet Network Simulator, MatLab, Auto CAD, PRO-E, STRAP Suit 12.5, STADD PRO 2006, etc.,
- The institution is fortified by Gajshield firewall to achieve campus network security
- The computer facility is provided for the Student in the

Ratio of 2:1

- The institution has high capacity Wi-Fi facility through various access points in the campus with concurrent access speed of 160 Mega Bytes per Second for the faculty and students' utility
- The Institution provides online mode of Teaching and Learning process through Microsoft Teams Platform
- All the systems have been provided with backup through the uninterrupted power supply
- Biometric attendance system is enabled for Faculty and non-teaching
- The Institute has 200 surveillance cameras
- The Examination for program oriented subject is fully automated with DIGIPRO software
- The College provides Media Center for e-content development
- The College community provides and maintains an official email to all the faculty and students in the domain name of ksrct.net

Updating frequency and Nature of Updates

Wi-Fi facility is updated based on the concurrent users in every year.

Details of WiFi facility:

Upgradation Date

No. of Access points

Locations

06.01.2012

03

Main Building, IT Park

10.08.2012

03

Main Library , Mechatronics Block

27.06.2015

04

Main Building Conference Hall, Academic Block

19.10.2015

02

IT Park

20.10.2015

01

IT Park

21.11.2015

10

Founder Hall, Kanini Karutharangam,

02.09.2016

04

Academic Block, 1st year Hostel, Internet Laboratory, New
Hostel-I

04.08.2017

01

Staff Quarters

22.08.2018

01

NST Block

16.07.2019

02

PTC block

11.12.2020

01

IT Park

10.12.2021

01

Cyber Dome

23.12.2021

01

New Boys Hostel II

Internet Provider: M/S Pink Broadband Service Private Limited,
Salem

- IT Infrastructures:
 - Internet connectivity is upgraded from 120Mbps to 160 Mbps
 - A.Y 2019-2020: 210 computers were upgraded with Intel Core i5 processor 8GB RAM 500GB HDD
 - Academic year 2019-2020: 2 new servers were purchased, with 1 server of 96 GB RAM, 10 TB HDD, and 1 server with 8 GB RAM, 3 TB HDD
 - Academic Year 2018-19: RAM capacity of the 1 server system was upgraded from 4 GB to 8 GB
 - A firewall "Gajshield" is installed for the security of the campus network with filtering features.
 - HP Switches from 4 port to 48 port and Routers are used for inter and intra communication
 - Cable structure is Star extended Topology with fiber backbone connectivity and speed is 1 Gigabyte
 - The entire college campus is linked with fiber optic network which helps to access the resources provided by the college
 - The programming end semester examination system is

- completely automated using the Test Server(Digipro)
- All the systems have been provided with backup through the uninterrupted power supply.
- K7 antivirus software has been installed for all the systems.
- The Institute has 220 surveillance cameras.
- Biometric attendance system for Faculty and Staff.
- A centralized server room with 8 servers was set up.
- IoT lab was established in 2018-19.
- The Institution has unique Test server for online evaluation of the student performance in Training and Placement activities
- Laboratory automation (Programming Skill Development System) has been introduced through which students can practice and solve programming problems from anywhere, any time in and outside the KSRCT campus and it is very much used to assess the coding efficiency

The overall deployment of IT Infrastructure of college campus is done through system administration team, all academic and administrative IT requirements are addressed by this team

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2985	1420

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 750 Mbps
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File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

504.38

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

KSRCT has established systems and procedures for maintaining and utilizing physical, academic and support facilities such as laboratory, computer, classroom, sports complex, etc., The maintenance of physical, academic and support facilities are carried out by the respective departments with the help of the estate officer / housekeeping staff on daily basis and periodically. Necessary care has been taken to keep the

equipment, machines in the working condition. In case of breakdowns, standard procedure is followed to bring the equipment/machine in working condition. Supervisors and technicians are appointed to monitor and maintain the housekeeping and physical facilities. Description on maintenance and utilization of some facilities is as follows

Laboratories

Laboratories are operated and maintained by well-qualified and skilled technical staff. AMC is in place for certain equipment and ensure the renewal as per the schedule. Interested students can utilize the lab facilities beyond the working hours for practice, project and research activities. To ensure the same log / entry register is maintained to monitor the usage of the equipment in all the laboratories. The repair and servicing of equipment are carried out after obtaining statutory approval of the concerned Head of the Department, the Principal, and the Management. The lab in-charge and the concerned faculty ensure proper utilization of the laboratory premises and instruments/equipment. Hence, uninterrupted usage can be ensured by the students and faculty for the better learning.

Library

The Library is headed by the Librarian who supervises the maintenance and utilization of the premises and all the books, journals and magazines etc. The library staff maintains books in the lending as well as reference sections, stacked in catalogued racks segregated branch wise. The Library remains open from 8.00 am to 8.00 pm on all working days and 9.00am to 5.00pm on weekends and holidays. New books and journals (National & International) are procured by obtaining periodical requirement from HoDs, Faculty, students and Library committee. The issue and return of the borrowed books are maintained by the library software and the Library housekeeping operations have been computerised using in house development library software. Remote access of online content is made available to all the faculty and students. The subscription and renewal of the online journals are undertaken and looked after by the librarian and the library committee for each academic year. The faculty and students are encouraged for effective and efficient use of library facility by honouring them with the Best Library User Award. To enhance the self learning, resources available

in Digital library such as online journals, CD packages and domain specific study materials in the NDLI websites help students in upgrading their knowledge. GATE forum and Career guidance academy organise many orientation programmes on higher studies and cracking competitive examinations by inviting subject matter experts both physically and virtually.

Sports Complex

The Institution is accommodated with necessary play fields for various indoor & outdoor games. The Department of Physical Education functions under the able guidance of a Physical Director, Assistant Physical Director, Physical Directress, Gym instructor and Ground Markers. The Physical Director monitors the maintenance and utilization of the sports premises as well as all sporting items/equipment, grounds, etc. List of sporting items, equipment, etc. are maintained in stock registers. The issue and return of sporting items are supervised by the Physical director and his support staff. Service, repair of sporting premises and/or equipment/items are carried out as per the due standard procedures, with the approval of the Principal and the Management. The department provides systematic training and coaching for players in various sports and games. The Institution organizes annual sports meet and encourages the students to participate in the Intra and Inter Collegiate events and provides platform to flourish in all games to bring out laurels to the Institution. The periodical maintenance of Basketball and Volley ball Court, Athletic tracks and Cricket field are taken care of by the ground markers and supporting staff. The wooden flooring of indoor stadium is properly sealed and varnished with luminous flood lighting.

Central Computer Facility

In the digital era, the computing facility of the institution is to be taken utmost care. The Institute has 200 surveillance cameras. The institution is fortified by Gajshield firewall to achieve campus network security. The Central Computer Centre (IT Park) remains open from 9 am to 6.30 pm where students can walk in and access their needs of study. The system manager manages all the activities related to the computer systems and networking. He takes care of the maintenance of computer system, networking, provision of LAN connectivity and prepares schedules for providing computer service to all.

Complaints/grievances about systems and/or peripherals are raised by faculty members and routed through their respective heads of the department to the system administrator through the Principal for necessary action. However, the procurement of new systems is carried out only after the approval of the Principal and the Management based on the requirements of all the departments. The Institution has high speed internet connectivity and Wi-Fi facility with high bandwidth to download study materials made accessible to both members of faculty and students. Firewall, Antivirus, Microsoft campus manager renewal process to ensure the secure environment and authenticate usage.

Class rooms and Seminar Halls:

All the classrooms, seminar halls, auditoriums, etc. are ICT enabled and maintained under the supervision of the Estate Officer. Periodical cleaning of the classrooms and seminar halls are taken care of by the house keeping staff and record chart is maintained. All works related to periodic inspection, maintenance and repairs are carried out by the Estate officer and his team of technicians and housekeeping staff. Proper utilization of teaching premises is ensured by all the faculty members as per standard norms. The provisions like AV equipment, ICT equipment, A/C and Furniture are maintained periodically by the appropriate technical staff

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1400

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

469

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	http://ctcms.ksrct.net/NAAC/Criteria-V/5.1/5.1.3/AddInf.pdf
Details of capability development and schemes	View File
Any additional information	No File Uploaded

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

3336

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

694

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

64

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

15

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

9

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The Institution opens its diverse platforms to students of different branches and different years. Their representation in planning, decision making, and administrative committee hone their leadership skills and nurture their potential to the fullest for personal and collective growth and development. The

empowerment in the above three crucial roles sets them on a path to excellence and the academic ambience is conducive to the all-round growth of students. The joint efforts of students, faculty, staff and management add momentum to the Institution's growth. The students' representatives are spread across various cells, clubs and committees and work in close association with the Institution association's core and disciplinary committees. Student involvement in the Department Advisory Committee increases their responsibilities in the developmental measures of the department and that of the Institution. Their participation in Class Committee Meeting, Grievance Redressal Cell with Internal Complaint Cell, Anti Sexual Harassment, Anti-ragging committees Minority, SC/ST Cell guarantees them viable platforms to address and solve their personal issues amicably. The Internal Complaint Cell and the Anti-Sexual Harassment Cell are vigilant in sensing gender menace in any form and are quick to adopt practical measures in gender sensitization and abolishment of sexual harassment. They host awareness sessions on prohibiting, preventing and banning raging menace on and off campus in line with AICTE and UGC regulations, Supreme Court directives and State acts. The Hostel and Canteen Committee monitor the quality and hygiene aspects of food and invite feedback from peers The transport team ensures safe commuting to and from the Institution. The vibrant student participation in Professional Bodies -ISTE, IE(I), IEEE EMBS, PALS, Alumni Association, Communication Skills Club, Training and Placement & Higher Studies empower them to be job-ready through their intensive career development programmes. The library committee, Readers' Club and NDLI Club help in character building and healthy habit formation in absorbing the core values of life and education. Their involvement in newsletter preparation, Library, Readers' Club and NDLI activities also gives them skills in event management, and public speaking. Cultural Committee and Sports Committee cater to their personal values like leadership, comradeship, sportsmanship and celebration of togetherness. Training and Placement Cell empowers them on a regular basis to be job-ready through their intensive career development programmes. R&D, IIC, Start-up Cell, Idea Lab Product Development and IPR imbibe in them reflection, research and reference competencies, and, sharpen their abilities by tuning themselves for career and life. The Unnat Bharat Abhiyan, Women Empowerment Cell, Green Club, PAC Club, and NSS units inculcate in them social responsibility, ethical values and service in improving the social and economic well-being of the neighboring rural communities. The Swachh Bharat Committee holds regular

cleanliness drives in and around the Institution. The student members of all these bodies work in collaboration with the respective faculty teams for the holistic health of the academic and the civic community in and around the campus vicinity.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

5.3.3 - Number of sports and cultural events / competitions organised by the institution

29

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

KSRCT Alumni Association is a registered body with registration number SRG/Namakkal/22/2021 under Tamil Nadu Societies Registration Act, 1975. All graduates become members of alumni association. The main objective of the Association is to bridge the gap between the college and alumni. This association cultivates a strong bond between the institution, students and the alumni. It facilitates the students and Institution to know about the technological innovation, Academic curriculum, Entrepreneurship development and mentoring the current students as well. More over alumni are part of Board of Studies, Academic council, Governing council, and frequently invited as chief guest for the department events too. The office bearers of the Alumni association are elected once in every three years. Two executive committee meetings held on an average, every year and future plans were discussed. It is planned to have annual alumnimeet in the month of December every year.

Alumni meet is a formal function which involves reunion, games, future plans, adding local chapters, alumni interaction with students, cultural programs by present batch of students followed by lunch.

- Alumni entrepreneur also has their lion's share in uplifting our institution. They come forward to sign MoU, organize seminars, workshops with institutions, provide job offers and equip student with the tech and world stuff.
- It is not only the corporate that fetches us the placement record it's also our alumni who multiplies the placement record.
- Alumni also contribute to the development of institution by taking part as an active member in the board of studies elevating the curricula and syllabi as required in the global platform.
- Alumni take part in the invited talk and share their knowledge and experiences to the student. In this forum the students are allowed to interact with the alumni to foster the rapport between the current student and old student.
- KSRCT offers "One student, one Alumni" alumni mentoring program. This gives the opportunity for the students to understand better and great exposure.
- As a last note, the main objective of this council is to develop Skilled KSRCTians as the nation marches towards "SKILLED INDIA". Our college join hands with the movement by creating skilled KSRCTians.
- Some of the Alumni are employed as faculty in the Institution. They play an important role in academic and institutional development.
- Every year we conduct Alumni Induction day for current final year student in the month of March and also provide the alumni mementos.
- Each alumnus contributes Rs.500/- towards membership of Alumni association which is used for providing financial support to the students.
- Alumni also contribute Alumni help fund for financially weaker students
- The alumni also contribute to Institute towards development apart from Membership Fee. The Alumni has contributed Rs.14,34,938/- to the Institution in the last 5 years

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Vision

To produce the most competent Scientists, Engineers, Technologists, Entrepreneurs, Managers and Researchers through quality Education.

Mission To achieve academic excellence in Science, Engineering, Technology, Management and Research through objective and innovative teaching methods; dedicated and duty conscious faculty; continual and consistent updation of facilities; welfare and quality improvement of the faculty and a system of continual process improvement.

Nature of Governance

The institution follows an autonomous and participatory mode of governance with all stakeholders actively in its administration. The Governing Body delegates authority to the Chairman, the Vice Chairman, the Secretary and the Principal. The Principal shares it with the Deans, Director, Heads of various Departments, Administrative Officer, Coordinators of various cells, and Conveners of various Committees in the Institution. IQAC of the Institution plays a key role in the preparation of the Strategic Plan of the Institution by consolidating the goals and objective of every Department and

Cell/Club.

Perspective plan

The Management is assisted by Governing Council of the Institution, which takes over the planning and execution of various domains. The action plans are formulated in line with quality policy under the leadership of the Principal and the same are incorporated into strategic plans for effective implementation. The policy statements and action plans are tuned up for attaining the Mission of the Institution. Meetings with stake holders like parents, alumni and employers are conducted periodically to receive their feedback for implementing some of the action plans in line with progress of the Institution. All aspects of the teaching, learning and evaluation process are assessed through regular course co-ordinators, module co ordinators, programme co-ordinators, board of studies and academic council meeting.

Participation of the faculty

The Principal, the Vice-principal, Deans, Directors, HoDs and senior faculty members plays key role in framing various policies and principles for proper academic, administrative and financial management of the Institution. Selective faculty members have been nominated as the members of Governing Council, Academic Council and BoS Committee of the Institution.

The Principal conducts periodic meetings with the Vice Principal, Deans, Directors, HoDs and coordinators of various Institutional committee to review outcomes from the implementation of action plans and make necessary changes in the action plans, if required. The minutes of meetings of the Principal with HoDs bearing the decisions taken and plans made at the administrative level and the role of the individual in implementing the quality policy are circulated to the faculty members for effective implementation. The HoDs disseminate such action plans and get feedback from the faculty members through department meetings.

Faculty are designated as programme coordinator, module co-ordinator and course co-ordinator at departmental level for monitoring continuous improvement in outcome-based education. Programmecoordinator conducts periodic meetings with the module coordinators to ensure the effective implementation of outcome based education.

Faculty are also deputed as class advisors, time table co-ordinators, BoS co-ordinators, exam co-ordinators, T&P co-ordinators, R&D co-ordinators, academic auditor, Institute Innovations Council Member, ICT Academy co-ordinators, budget co-ordinators, lab in-charges and co-ordinators of various cells/ clubs/ professional bodies

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://ctcms.ksrct.net/NAAC/Criteria-VI/6.1/6.1.1/AddInf.pdf

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The Institution is keen in promoting a culture of decentralized governance system for its growth. The Head of the Institution is empowered with full autonomy for overall monitoring of administrative and academic activities to cater to the Institution's Vision and Mission. The roles and responsibilities of decentralized administrator's /decision makers are listed below:

Administrative Autonomy

Administrative autonomy is decentralized to the Vice-Principal, Deans, Directors, HoDs, Administrative Officer, various Cell Coordinators as shown below for better governance. IQAC Autonomy

IQAC Coordinator has the autonomy to make modification / implement / channelize and systematize the efforts and measures towards academic excellence.

Financial Autonomy

Financial committee constituted by the Principal is given full autonomy to take decisions related to planning, implementation, and management of all the financial resources. It reviews the funding pattern, provides guidelines and strategies for mobilizing resources to support the implementation of the Institutions strategic plan, and the fulfilment of its vision and mission.

Academic Autonomy

The Board of Studies (BOS), the Academic Council and the Department Advisory Boards are given the power to design, implement, monitor and evaluate academic activities. Autonomous section has the freedom to decide on academic matters like curricula, syllabi and their quality assurance

Examination Autonomy

Controller of Examinations is responsible for the announcement of Examination Time Table, Preparation of Question Papers, Conduct of End Semester Theory and Practical Examinations, Evaluation of Answer Scripts, Declaration of results and Issuing of Grade Sheets. CoE has the autonomy to recommend the list of qualified students to the Anna University for the award of the Degree.

Student Autonomy

Students are assigned individual responsibility like Class representatives, Class committee members, Cell co-ordinators and representatives of various college events. They are given full power to discuss/ put forth the requirements/ suggestions in the meeting.

Case study on decentralization and participative management

KSRCT follows a decentralized approach in financial management. At the department level, budget co ordinator analyse the requirements for teaching, learning, research and outreach activities and prepare the budget. Budgets are then consolidated and forwarded to the Financial Committee with the approval of the HoD concerned.

In case of purchase of equipment's/ consumable, concerned faculty must submit a detailed proposal to the Purchase committee through respective heads. Purchase committee analyses the proposal and make recommendations based on merit of the case. Once approved by the committee, purchase can be initiated as per the financial power of the authority listed below,

The detail of financial powers to be exercised by the Principal

Purchase on lowest quotation basis - Rs.2,00,000/-

Lower of two/ higher quotation basis - Rs.50,000/-

Emergent purchase without quotation - Rs.50,000/-

All the Heads of the Departments

Rs. 3,000/- (without quotation)

Up to Rs.25,000/- (on lowest quotation)

Beyond Rs.2,00,000/-,

Management approval is required to initiate the purchase process.

The Institution promotes the culture of participative management at all levels, which facilitate the faculty and students to give their view and suggestions to improve the quality of planning and implementation in all possible means.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Smart / Digital Campus with effective e-Governance

In line with the Institutes' strategic plan, KSRCT successfully implemented effective e-governance system with internal software and web development team to enable smooth transition from manual process to digital campus.

KSRCT CMS is an indigenously developed web portal to govern and maintain the day-to-day academic activities of the Institution. Meanwhile, Programming Skill Development System (DIGIPRO) is an

in-house web Integrated Development Environment (IDE) to facilitate programming skillset of students.

Section

Features

KSRCT CMS - <http://www.ctcms.ksrct.net/>

Student

Student Profile, Attendance, Assignment/ Tutorial and Test Marks, Lab Marks, Internal Marks, Semester Result, Feedback, Bonafide Certificate

Faculty

Faculty Profile, Biometric Attendance, Salary Receipt, Exam Duty, Assignment/ Tutorial and Test Mark Entry, Students Attendance Marking - OD, Leave, Permission

Academic

e-Circular, Academic Schedule, Internal Marks Generation, Subject Allocation, Attendance Proforma, SMS to Parents, Result Analysis

Library

OPAC, Book Reservation, e-Gate, Online Research repository, e-Contents, Question Bank

Exam

Seating Arrangement, Result publication

CAMPUSRANN - <https://ctplacement.ksrctdigipro.in/>

Placement

Students & Company Database, SMS/e-mail Triggering

DIGIPRO - <https://ksrctdigipro.in/>

Programming

C, C++, Java, Python, PHP, Perl, SQL, HTML, JavaScript, JQuery

Evaluation

Test cases passed, Logic used, Time taken, Compilation count and space used

Exam

Quiz, Online Proctoring - Live / Automated

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

Functioning of the various institutional bodies

To achieve the goals and objectives of higher education, Institute has a systematic policies and procedure of administration with constituted institutional bodies of which the Governing Body Council is highly authoritative. The president of the Society is the Chairman of constituted Governing Body Council as per norms. The Principal is the ex officio secretary of the Governing Body Council. He is the academic and administrative head of the institution and holds power to access and intervene as decisive authority of the administrative and academic councils.

Administrative set-up

The academic administration is preceded by the Vice-principal, Deans and Directors of the domain disciplines and followed by the Heads of the various department. Wherein all the Institutional matters are discussed with this composition before implementation for their instinct, guidelines and ensure the preparedness in dealing the same. Heads take charge and handle on their academic staff, non-teaching staff and students for any matter and takes the message to their higher official,

herein case is the Directors or Deans

Academic Bodies

The Academic council followed by autonomous and Board of studies statutory takes essential monitorance on the curriculum matters like Programme to be implemented, courses to be included, syllabi improvisation and all amendments related to National policies for education are recommended in the BoS meeting of the various department.

Other institutional bodies

The Institution has a good strategically framed members on the board for all other essential statutory committees that take decisions and execute them with the help of members of non - statutory committees. The management has been extending its unfailing support to meet all the requirements in terms of human resources, financial management, infrastructure development etc.

Appointment procedures

Appointments are made based on the needs to run the Institute efficiently as well as to meet the AICTE student: staff ratio. The Institute has never failed to meet the minimal ratio and always have higher benchmark for quality educational needs with exceeding faculty/ student ratio.

Recruitment advertisements in the website, social media and newspapers were released and upon deadline the heads and scrutiny team take charge in selecting the candidate for the interview either by physical or virtual mode based on the situations. Selection committee consists of Principal, Dean/HoD, domain expert to confirm the selection. Post selection, which will be intimated to candidate to proceed the acceptance of the offer.

Service procedures

The service rules are framed by the Principal as per the AICTE norms in consultation with the Management and approved by the Governing Body. The service rules are made available in the Institutional website. The faculty shall conduct Lecture, Lab, Tutorial, Seminars and attend all other academic, co-curricular and extracurricular activities assigned to him/her and to the

best satisfaction of the students and superiors. Also, the faculty shall work with fullest co-operation with others in the departments ensuring excellent working atmosphere. Promotion to a higher cadre depends on Experience, Teaching, Research and satisfactory academic and related activities in the Institution.

File Description	Documents
Paste link to Organogram on the institution webpage	http://ctcms.ksrct.net/NAAC/Criteria-VI/6.2/6.2.2/Organogram.pdf
Upload any additional information	View File
Paste link for additional Information	https://ksrct.ac.in/wp-content/uploads/2020/03/HR_Policy_Manual-2.pdf

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The Institution strongly believes that the state of wholesome health and wealth of employees can reflect in their work efficiency and dedication. Hence, the Institution has taken up immense responsibility on taking care of their well-being and created possibilities for both the teaching and non-teaching staff.

Health

- Faculty members and non-teaching staff avail medical facilities for both general and dental health in the Dental College Hospital.
- All the Faculty members and non-teaching staff were provided with group insurance facilities to support them at needy times.
- YOGA and Meditation classes are conducted to enrich their mental and physical health.
- Special in-house camps are conducted often considering their health perspective (Cancer screening, General health check-up, Vaccination, etc.,)
- Female staff and faculty can avail maternity leave for a period of six months.

Avenues

- Faculty members were provided with congenial work environment.
- Faculty members were given free transportation facilities.
- Free accommodation and food with subsidized cost is provided to both teaching and non-teaching staff of the institution in the hostels.
- Faculty / staff also can avail quarters constructed within the campus.
- Providing infrastructural facilities for doing research and consultancy.
- Faculty members and staff working hours are as per the norms; library staff members are working in shifts since the library is opening from 8.00 am to 8.00 pm.
- Summer and Winter Vacations for faculty and staff members
- Amenities like canteen, gym, post office, swimming pool, bank & ATM, RO water, stationary store are available inside the campus.

Wealth

- Faculty / staff can avail salary advance if any necessity arises
- The Institution follows the pay band as per the norms and revise them at every stage of their career growth in terms of experience, contribution, skills and responsibilities.
- The college is also facilitating its employees to avail

loan from Provident Fund and gives reference to avail loan from the salary credited bank for their needy

- Institute has special provision for incentives on receipt of external funded projects
- Once in a Year the college is sponsoring for Tours to faculty members in all the department to rejuvenate their energy through the staff club
- Every year during Sports Day celebrations separate events were conducted for faculty members both for men and women and rewarded with monetary benefits.
- Faculty and staff can avail 25% fees concession for their children in the school run by the management.
- Financial support to "COVID-19" victim
- Seed Money provided for faculties to encourage them to undertake research projects
- Special allowance of Rs.10,000/- provided to the faculty with Ph.D. qualification.

Career development

- Institute provides On duty and financial support to undergo training programme, attend seminars, symposium, conferences, workshops at National and International level.
- Providing meritorious awards.
- Non-teaching staffs are given training in the basic computer operations and Microsoft Office products at periodic intervals.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

246

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

36

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

544

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institution has established a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance. KSRCT follows all statutory requirements for audits and accounting practices.

Internal audit is conducted half yearly by the internal financial committee of the institution. The committee thoroughly verifies the income and expenditure details and the compliance report of internal audit is submitted to the management of the institution through Head of the Institution. External audit is conducted once in every year by an external agency.

Process of the internal audit

All vouchers are audited by an internal financial committee on half yearly basis. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. If any discrepancy is found, the same should be brought to the notice of the Head of the Institution.

Process of the external audit

The accounts of the college are audited by chartered accountant regularly as per the government rules. Institution has appointed statutory external auditor M/s.T.V.Venkatraman and Associates (M. No. 8925) to audit the accounts. External auditors audit the accounts once in a year. Any discrepancies during the audit will be discussed and sorted out with the supporting documents.

Audit procedures

1. Source of income verification

- Auditor will cross verify the fee collections and scholarships with approved list of students
- Other incomes cross verified with the receipts issued to the students.
- Fee amount receivable and amount received will be reconciled.
- Checking Grants received if any.

1. Expenses Vouching

- Auditor will vouch payment (Recurring and Non-recurring) with the approved supporting document.
- Correctness of revenue classification and capital expenses.
- Reconciliation of bank accounts and checking the bank confirmations.

- Calculation of depreciation of fixed assets.
 - Status of the old debit/ credit balances.
 - Salaries payments with the salary statements.
 - Checking of statutory dues payment like PF, TDS, and ESI
 - Any other statutory compliances verification required as per Income Tax Act.
1. Any queries, in the process of audit would be attended immediately along with the supporting documents.
 2. Once all financial transactions are accounted, Balance sheet, Income and Expenditure statement for the financial year will be prepared.
 3. Based on the audited financial statements, auditor will issue "Audit Report"

Mechanism for settling audit objections

During audit, the queries raised by the chartered accountant are addressed by the finance committee and sorted out.

Explanation to the queries has to be given within 15 days' time and rectification entries in next 10 days. Auditor reviews the audited financials, and after discussion with the Management, signs the financials before filing returns with the income tax department.

The institution did not come across with any major audit objection during the preceding years. However, areas of improvement are suggested by the auditor for implementation in the subsequent year. Typical suggestions that were discussed in the preceding years are:

- Expenditure over Income
- Cost optimization
- Too much unexpected expense to be avoided
- Avoid cash dealing

Purchase without approval of Purchase Committee

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and

philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

2.869

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Institute has well defined financial structure to ensure effective and optimal utilization of resources for academic, administrative, development and maintenance purposes.

Finance committee

The master key for taking financial decision and related matter are Finance Committee and the Governing Council. Financial committee nominated by the Principal has sole responsibility for planning, implementing, and managing all the financial resources. It reviews the funding pattern, provides guidelines and strategies for mobilizing resources to support the implementation of the Institutions strategic plan, and the fulfilment of its vision and mission.

Fund mobilization

Broadly, major internal resource mobilization is in the form of Academic Receipts (Admission fee, tuition fee, examination fee, etc.,). Meanwhile, the external sources of finance are research grants, scholarships, consultancy, revenue collection in the form of deposits (loans from banks) etc., In some cases, funds are raised from academic people, philanthropist, alumni and public through fundraising mechanism to meet expenses related to seminars, workshops, conferences, marathon and social cause.

Fundraising

It is obvious that each activity/ every person involved in fundraising activity on behalf of the Institution should obtain written permission from the Head of the Institution. In all

cases, funds must be collected through Cash/ Cheque/ Demand Draft in favour of The Principal, K.S.Rangasamy College of Technology, Tiruchengode or by online transfer to the official account of the Principal.

Fund allocation

During the budget preparation, all the academic, department heads and various cell in-charges are requested to provide the annual budget requirements keeping in view of development and updating of laboratories, consumables, computing facilities, library, teaching-learning process, training, extension activities, software and etc., Finance committee will meet to deliberate the proposal and makes necessary changes for proper balance of receipts and expenditure. Also, committee ensures optimum utilization of available financial resources.

Fund utilization

Financial committee keeps track of the budget throughout the year and confirms adequate resources are spent for teaching-learning practices, salary and wages, library facilities, outreach activities, day-to day operational and administrative expenses, maintenance charges, purchase /up-gradation of laboratories equipment, etc., Optimum utilization of fund for purchase is ensured by the Planning and Purchase Committee. In any unforeseen circumstances, additional budget is allotted depending on the merit of the case.

Audits

Internal and external audit are carried out promptly and audit objection are taken care of.

Optimal utilization of funds is ensured by

- Allocating adequate funds for effective teaching-learning practices including conduct of FDPs, orientation programs, workshops, conferences, inter-disciplinary activities, and consistent upgradation of laboratories, R&D, library and sports facilities.
- Effectively utilizing the grants received from external funding agencies and procuring state-of-the-art equipment for project implementation. It can be utilized by the students and faculty for R&D and product development.
- Utilizing funds to meet day-to-day operational and

administrative expenses and maintenance of the fixed assets.

- Providing adequate funds for development and maintenance of infrastructure.
- Allocating sufficient funds for social service activities as a part of ISR.

Experience in budget utilization during past years helps out in efficient budgeting and optimal utilization of the financial resources.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Digital Assisted Language Learning System (DALLS)

The Institution caters to the educational needs of the students hailing from rural areas. It is a known fact that the rural students face difficulty in the interpersonal communication and lacks in expressing their thoughts and opinions at times of interviews both technical and HR. Based on the feedback from stake holders and Alumni for the betterment of students in improving their Communication, Digital Assisted Language Learning System (DALLS) was introduced.

DALLS is a system of self-paced learning in a controlled laboratory activity and the capsule activities namely LSRW tasks are rolled out to the students in the form of online quizzes and activity-based learning. DALLS works on the Microsoft Teams Meeting & MOODLE Platform. DALLS incorporates the Activity-Based Learning (ABL) into the learning system. A discernible improvement is observed among the learners who are using this ABL method. This system of learning is not pivoted to the short-term learning but DALLS certainly supplements the

learning habits of students and reinforces the practices of learners in honing their communication skills in the long run. DALLS has boosted the confidence and participatory skill of the students and a moderate level of improvement in the oral presentations. This system of learning is in good practice when compared to the earlier theory course.

DALLS has facilitated 1790 first year students since 2018-19 to improve their English Communication Skills in the first two semesters. In addition to this, 2171 second year students were imparted LSRW as a part of Career Competency Development I & II.

800 students of placement interested were able to take up the verbal ability part of the screening tests and acing the interviews confidently and qualitatively.

Innovation and Start-Ups

KSRCT ensures maximum exposure to students in innovation and pre-incubation activities at an early stage and to support the pathway from ideation to creation to market. Institution organizes idea and innovation competitions, hackathons, workshops, boot camps, seminars, conferences, exhibitions and mentoring mechanisms with academic and industry personnel, giving real-life challenges, awards and recognition. Institution has taken collective efforts to identify, scout, acknowledge, support and seed fund proven student ideas and innovations and further facilitate their entrepreneurial journey. Institution facilitates by inking MoU with M/s Chatting Birds and Vibazone, a representative Mr. Muthu Singaram, visit two days per month as an External member to our Campus and train the students in entrepreneurship and product development. KSR-PTC Centre of Excellence is provided with world class facility to facilitate innovation. Pre-incubation/Incubation support also been facilitated to the students and faculty members, who are interested in launching a start-up. The modalities of its operation royalty and rental will be decided on a case-by-case basis depending upon the nature of services and support offered through incubation centre. This practice and hard efforts has brought a robust innovation and start-up ecosystem in KSRCT.

Internal Quality Assurance Cell extends support and initiate the valuable academic activities to the Institution and paving way for such good practices.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://ctcms.ksrct.net/NAAC/Criteria-VI/6.5/6.5.1/AddInf.pdf

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

Examination System

The students' learning is measured in conformity with Blooms Taxonomy i.e. higher order thinking skills and lower order thinking skills. The examination system is modified to access the different level skills of the students' learning. The questions are mapped to test the skills at different levels and the course outcomes are mapped with every question. This process is in existence for both internal as well as external exams. This type of strategic examination system helps to evaluate the students' performance on continuous basis and helps to develop their analytical thinking abilities.

Question paper Audit :

In order to maintain uniform assessment of internal and end semester examinations, question papers are audited periodically. Question papers of internal tests are audited at the respective department level by module coordinators. End Semester examination question papers are audited by experts who are invited from other institutions. Corrective actions are taken based on the audit.

Answer script Audit :

Students are provided with an opportunity to view their answer scripts (of each course) after completion of evaluation and announcement of results. This is aimed to bring more transparency and also reduces the number of re-totaling/re-valuation cases and End Semester examination answer scripts are audited by experts who are invited from other institutions.

Corrective actions are taken based on the audit.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://ksrct.ac.in/quick-menu/iqac/
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES**7.1 - Institutional Values and Social Responsibilities**

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

K.S.Rangasamy College of Technology focusses on gender equality and has a functional framework to promote the level of educational and technical skills among the women students from rural background. Various cells have been formed to adjudicate and to rise women empowerment in the institution. Cells comprises of Grievances cell, Women Empowerment Cell, and Anti-Sexual Harassment Cell to look after the issues raised by the women.

Constitution of India is made as mandatory course for all the students. The prime importance was given with respect to curricular & co-curricular activities, the girl students are given equal chance to showcase their potential in all areas like sports, cultural and on the academic part too. The Institution has appointed women physical director to take care of the training / coaching and to accompany with them for the events. Women Empowerment cell often conducts various events and programs to bring out the hidden talents, Counselling assistance and mental health support

The Institution ensures female admissions to various programmes, scholarships and as lead role among student community cells and forums with equal ratio of office bearers to promote equality and provides equal opportunities for women faculty to take up leader positions.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://ctcms.ksrct.net/NAAC/Criteria-VII/7.1/7.1.1/SpecificFacilities.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

K.S.Rangasamy College of Technology has implemented eco-friendly integrated waste management concept and practicing the reduced, reused and recycling principles regularly to make the Campus a green one. Important practices implemented in the Institution for sustainable waste management are Solid Waste Management, Liquid Waste Management, E-waste Management, Bio

Medical Waste Management, Waste Recycling System and Hazardous Chemicals Management.

Organic waste such as tree leaves, flowers and papers are used as feed for mushroom cultivation plant in the Institution. Food waste is used in production of biogas. Food wastes, human excreta and cow dungs are used as feed for digester..

Over utilization of ground water and surface water are much reduced in our institution by following the three R principle. Liquid waste collected are conveyed to the waste water treatment plant and treated. This treated water is tested in Environmental Engineering Laboratory to determine its quality and it is reused for gardening and toilet flushing.

Institution takes utmost care in collection, storage and safe disposal of E waste. Paper consumption is considerably reduced in the institution by adopting digital mode in all walks of works. In order to be an eco-friendly campus, usage of plastic bags is strictly banned inside the campus.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

<p>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</p> <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	<p>A. Any 4 or All of the above</p>
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File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

<p>7.1.6 - Quality audits on environment and energy undertaken by the institution</p>	
<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

The Institution promotes value concerns to be rooted in contemporary contexts like various social issues and concerns like environmental sustainability where the interest in tree plantation drives, National unity, propagating the saving of river, Clean India campaign and plastic awareness are aroused. Students have participated in preparing cotton bags as alternative to plastic bags and are distributed to public as a complement. The Institution has taken up a project to clean the regional places like temple, public areas in villages to show the responsibility in building a clean and sustainable environment.

Students with social concern join hands with NSS/NCC volunteering team and participate in rallies for health awareness, stress management, health and hygiene awareness to

village and do participate in various activities for the noble cause like marathon for cancer awareness, road safety awareness, etc. The positive relationships is cultivated among students for the development of cooperation and respect for a diversity of people and cultures that allow us to live and work in the realities of the world. The volunteering team of NSS and staff coordinators have contributed food, essential amenities like hand-wash, sanitizer, gadgets, human support, materialistic support and COVID-19 data filling support by the SM Volunteers.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

Constitution of India is a mandatory course for all first year students. The Institution offers 15 days' Student Induction programme to every first year students before the commencement of their regular classes in the first semester. They are mentored and inculcated with Universal Human Values. Professional Ethics course is also a part of curriculum to educate the students to resolve the moral issues in the profession. The Institution promotes consciousness among students about rights which are essential for protecting the citizens against the arbitrary exercise of power by the government. Rally on constitutional responsibilities is also organized frequently to make them aware and disseminate to others about the importance of voters' rights.

The Institution motivates the students to participate in election duties as their prime responsibility to help the government to increase the polling percentage of responsible voters. Students take oath on National Unity Day on October 31 and National Voters' Day on January 25, and their participation in pledge is also regular in Grama Shaba Meetings. KSRCTians are also aided in bringing the same constitutional values among the village people by making them to take part in panchayat meeting and ensuring the voters responsibilities.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

K. S. Rangasamy College of Technology rejoices with certain memorial days with the due respect. The Institution regularly celebrates Teachers' Day and National Youth Day by sharing greetings to members of faculty and students, and by flowering the portraits of Sarvapalli Dr. Radhakrishnan and Swami Vivekananda. Independence Day and Republic Day are national commemorative days observed by formal parade and flag hoisting. Special competitions like essay writing, poster and drawing competitions are organized for the students.

Dr. APJ Abdul Kalam's Birthday Day and Engineers' Day are celebrated by paying tributes and flowering the portraits of Dr. APJ Abdul Kalam and Dr. Visvesvaraya respectively by organising essay and quiz competitions every year. Virtual Independence Day Run was organised in 2020 and 2021 to propagate physical fitness among the stakeholders in the face of pandemic.

National Education Day is celebrated to honour the birth anniversary of Shri. Maulana Abul Kalam Azad by the NSS volunteers with a guest lecture presented by a renowned personality. Martyrs' Day is observed in remembrance of the assassination of Mohandas Karamchand Gandhi by observing silence for 2 minutes in the classrooms. International Women's Day is observed in a grand manner with many special events, and gifts.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Institution's Innovation Council (IIC)

Objective :

1. To create a vibrant local innovation ecosystem.
2. To have a start-up supporting mechanism in the Institution.

The Context

IICs' is to engage faculty, students and staff in various innovation and entrepreneurship related activities such as ideation, Problem solving, Concept development, Design Thinking, IPR, project handling and management at Pre-

incubation/Incubation stage, etc., so that innovation and entrepreneurship ecosystem gets established and stabilized.

Evidence of Success

IIC has bagged "3 Star" Rating in IIC 1.0 and "5 Star" Rating in IIC 2.0. KSRCT-IIC is the recipient of AICTE-Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES) - Grant worth - Rs.1,00,000/-.

The Institution is indebted to KSRCT-IIC for its achievement for being categorized among Band-Excellent group in Atal Ranking of Institutions on Innovation Achievements (ARIIA) Ranking 2021 under among Self-financing/ Private institutions (Technical).

Problems Encountered and Resources Required

The COVID 19 pandemic and accompanied lockdown were negating the fruitful collaboration of students for a vibrant local Innovation system but the IIC members have overcome the obstacle of the confluence of young minds by both physical and virtual transaction of ideas among them.

File Description	Documents
Best practices in the Institutional website	Nil
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Institutional Distinctiveness

Programming Skill Development System (PSDS)

Programming Skill Development System (PSDS), also known as Digipro, is an indigenous web Integrated Development Environment (IDE) that facilitates more efficient and effective programming skills and improvises the logical thinking ability

of students.

Objectives of PSDS

1. To inculcate the logical thinking and improve the programming skills.
2. To facilitate students to execute the codes in any programming languages such as C, C++, Java, Python, PHP, SQL, HTML, JavaScript, JQuery after the logical thinking process.
3. To equip students to be self-reliant in programming and code testing process..

Other Utilities of Digipro

1. A powerful platform to conduct online examinations both MCQs and descriptive questions
2. During pandemic period, Digipro was effective in extending proctored online Examinations, and thereby efficiently support the progress of academic activities and examinations online
3. The platform was diligently developed to conduct internal hackathons and codeathon contests and help in identifying efficient top coders in the departments.
4. The platform was used as the Assessment Tool Support for the first level recruitment process by the companies such as M/s Coding Mart Technologies, Bengaluru and M/s Granite River Labs Technology (GRL) Pvt. Ltd. Bengaluru

The web link of Digipro is : <https://www.ksrctdigipro.in/>

File Description	Documents
Appropriate link in the institutional website	Nil
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

NEW PROGRAMMES: The institute has planned to start two UG programmes relevant to the future industry needs.

FACULTY MANAGEMENT SYSTEM: Provide a fascinating work environment for faculty and staff, where merit and hard work are recognized and rewarded.

RESEARCH AND DEVELOPMENT CELL: All departments plan to set up research centre with approval of University. Work towards getting more research funds, Publications and filing of patents.

INCUBATION CENTRE: To strengthen innovation Eco system through Angel funding and Venture capital and creating conducive atmosphere for faculty and students to engage in start-ups. Incubate successful start-ups creating innovative products and business models using the knowledge and technologies developed by the Institute. Institute has planned to get accredited and sign CoE by some of the reputed industries so that there will be regular campus placement drives from these companies.

ALUMNI: Strengthening the involvement of alumni in all aspects of the Institutes development—interacting with students, mentoring incubates, contributing resources towards enhancing the facilities and quality of education. Implementing One Alumni mentor - One Student to educate the students in current trends.

RANKING: To improve ranking position in NIRF, AICTE - CII SURVEY and all programmes accredited by NBA.