YEARLY STATUS REPORT - 2023-2024

Part A	
Data of the Institution	
1.Name of the Institution	K.S.R. COLLEGE OF ENGINEERING
• Name of the Head of the institution	Dr. M. Venkatesan
• Designation	PRINCIPAL
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04288274213
• Alternate phone No.	04288274741
• Mobile No. (Principal)	9944456056
• Registered e-mail ID (Principal)	principal@ksrce.ac.in
• Address	K.S.R. KALVI NAGAR
• City/Town	TIRUCHENGODE
• State/UT	TAMIL NADU
• Pin Code	637 215
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	10/03/2012
• Type of Institution	Co-education
• Location	Rural

• Financial Status	**Self-financing**	
• Name of the IQAC Co-ordinator/Director	**Dr. P.VEENA**	
• Phone No.	**9600343366**	
• Mobile No:	**9600343366**	
• IQAC e-mail ID	**directoriqac@ksrce.ac.in**	
3.Website address (Web link of the AQAR (Previous Academic Year)	https://ksrce.ac.in/admin/file_manager/source/IQAC/AQAR%202022-23.pdf	
4.Was the Academic Calendar prepared for that year?	**Yes**	
• if yes, whether it is uploaded in the Institutional website Web link:	https://ksrce.ac.in/index.php/page?id=479&item=427	

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	**A++**	**3.69**	**2023**	**17/01/2023**	**16/01/2028**
Cycle 1	**A**	**3.09**	**2017**	**09/06/2017**	**16/06/2022**

6.Date of Establishment of IQAC	**10/10/2016**

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
NIL	**NIL**	**NIL**	**Nil**	**0**

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	**3**

• 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)

Contribution towards Extension activities of Autonomous Status and NBA Accreditation Processes. Timely submission of AQAR to NAAC. Institutional Policies, Strategic Planning and Academic Standards. Periodical Academic and Administrative Audits. Participation of NIRF and NEP 2020 Implementation activities

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
To improve Placements the various training initiatives planned	**Conducted Technical Training,Aptitude Training and soft skills by the external vendors and trainees**
To establish the Memorandum of Understanding	**The Institution has been signed sixteen MoU's with Industries to build Industry Instituted Partnership**
To Promote quality education through Outcome Based Education (OBE) System	**It has been attained and achieved the OBE system in our Institution**
To conduct Academic Audit	**The Academic audit is being conducted periodically**

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

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
ACADEMIC COUNCIL	09/12/2024

14.Was the institutional data submitted to AISHE ?	**Yes**

- Year

Year	Date of Submission
2024	02/12/2024

15.Multidisciplinary / interdisciplinary

As per NEP 2020 guidelines, multidisciplinary and interdisciplinary courses are available in this institution. Accordingly, the vision of the institution consists of "global knowledge hub, self learners, experts, ethical and responsible citizen which will significantly contribute to research and environment friendly sustainable growth of the nation and the world". Humanities and science with STEM courses such as Universal human values, Professional ethics, Organizational behavior, Nano-technology, Physics, Chemistry, Mathematics, food and bio- safety, Chemical process safety, computer aided manufacturing, Computer aided design, computer applications in management, Cyber Security, Internet of Things, Data Sciences, Network Programming, Artificial Intelligence, Cloud computing, Basics of Electrical and Electronics Engineering, Mechatronics, Numerical methods, statistics, NCC etc., are integrated in the curriculum. Flexible and innovative curriculum that includes 1, 3 and 4 credit courses such as Environmental science and Engineering, Disaster management, Environmental Impact Assessment, mini project, project phase I and Project phase II are followed in this institution for the holistic and multidisciplinary education. The institution has flexible curriculum which supports multiple entry and exist during 1st, 2nd and 3rd year of their Under Graduate studies. Students are involved in multidisciplinary research projects to find solutions to cross cutting issues and challenges of society consist of local, regional, national andacross the world. Choice Based Credit System/Open Electives are offered in the curriculum to promote multidisciplinary/interdisciplinary approach.

16.Academic bank of credits (ABC):

As per NEP 2020, Academic Bank of Credits (ABC) has been registered by our Institution. • A login id has been created in accordance with National Academic Depository (NAD); an online store house of all academic records. This helps the institution to move towards ABC. It also helps students for multiple entries and exit during their studies. • MoUs are signed with foreign universities for internationalization of education.Credit Transfer system helps the students to transfer between institutions. • Faculty are encouraged to refer Local, National and International needs of society. Faculty also refer syllabus and curriculum of National and International Institutions. • A Faculty meeting is conducted before every Board of Studies and faculty's opinion is sought regarding curriculum, syllabus, textbook, reading materials, assignments,assessments and pedagogical approaches

17.Skill development:

The institution has taken initiatives to strengthen the vocational education and soft skills training from the first semester in accordance with the National Skills Qualification Framework. One credit courses, Value added courses are introduced in the mainstream of the curriculum. To promote value-based education, courses on Yoga, Indian constitutional acts, ethical values, Induction programme on Universal Human Values (UHV) and life skills are integrated in the curriculum. Curriculum has been updated with the employability courses to promote vocational stream with the support of industry experts. To promote Skills, Institution has been organizing PMKVY Scheme to enhance knowledge of employability skill among the students. The following skill development practices enhances the quality of students; (i) Career Development Skills and LSRW training (ii) options to learn foreign languages like German and French through self learning software (iii) Courses related to problem solving methods and (iv) activities through various clubs.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

In general, teaching-learning methods of this institution is in English. However, local and regional languages such as Tamil, Telugu and Hindi are used for needy students to make them better understanding of the courses. Indian arts, culture and traditions are encouraged through cultural activities and music club to emphasize Indian knowledge system.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

This institution has introduced Outcome Based Education (OBE) and Choice Based Credit System (CBCS) in the year 2016. • The syllabus has been developed to focus on the course outcomes (COs) for the attainment of programme outcomes (POs). • The best practices adopted for effective implementation of outcome based education are curriculum design, curriculum development, teaching and learning methods, assessment, continuous quality improvement (CQI) and monitoring.

20.Distance education/online education:

In this institution, importance are given for offline and online education. We encourage the faculty and students to take online courses offered by NPTEL and SWAYAM platforms to enhance in-depth knowledge in the emerging areas. Students are encouraged to attend National and International Online certification courses.

Extended Profile

1.Programme

1.1	19
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.Student

2.1	2511
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2	774
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.3	2506

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 Number of courses in all programmes during the year:	**938**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 Number of full-time teachers during the year:	**192**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3 Number of sanctioned posts for the year:	**160**

4.Institution

4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**505**
4.2 Total number of Classrooms and Seminar halls	**97**
4.3 Total number of computers on campus for academic purposes	**1206**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**789.5**

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.

K.S.R. College of Engineering follows an outcome-based education system, which focuses on the development of the graduate profile with the necessary knowledge, skills, and attitudes to meet local, regional, national, and global societal needs. The curriculum and syllabus are designed based on program outcomes (POs) and program specific outcomes (PSOs) to produce responsible engineers and entrepreneurs. The course outcomes are aligned with the POs and PSOs to ensure that the institution's graduates are equipped with sound knowledge in their chosen fields.

Curriculum Development and Syllabus Revision

The curriculum development is carried out by considering the model curriculum of AICTE and Anna University, top-tier national and international universities, professional bodies, and stakeholder feedback. The curriculum is developed by the department faculty, which is reviewed and approved by Board of Studies and Academic Council. However, the syllabus is revised once every six months based on suggestions from stakeholder feedback.

Choice Based Credit System is followed in all the programmes of this institution, offering open electives and industry-supported courses to improve students' domain skills. Students who clear online courses through NPTEL/ SWAYAM or value-added courses/self study courses of 3 credits are exempt from studying elective courses in the 7th/8th semester.

File Description	Documents
Upload additional information, if any	[View File](#)
Link for additional information	**Nil**

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

11

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

961

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	View File

1.2 - Academic Flexibility

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

136

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
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

19

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 crosscutting issues relevant to ethics, gender, human values, environment and sustainability courses are included in the curriculum. Equal opportunities are provided to the students, faculty and staff without any gender discrimination. Gender related issues are addressed through awareness programmes by various club activities. Many pressing and crosscutting issues such as global warming, health and hygiene, clean energy, gender equity are offered as interdisciplinary courses. The institution also offers yoga education to all the students.

PROFESSIONAL ETHICS & HUMAN VALUES

The objectives of the following courses are to impart ethical principles, a code of ethics, and responsibilities in their roles as professionals.

Universal Human values & Understanding Harmony

Professional Ethics

Ethical Hacking

Cyber Forensics

Constitution of India

Essence of Indian Traditional Knowledge

ENVIRONMENT AND SUSTAINABILITY

The functioning of club activities, Swach Bharat and Unnat Bharat Abhiyan are to enrich the students' knowledge on environment and sustainability. The following courses address the environment,

sustainability and climatic changes related issues.

Environmental Science and Engineering

Disaster Management

Nuclear Engineering

Green Computing

Municipal Waste and Management

The interdisciplinary courses offered in the revised curriculum enables flexibility in learning and apply their knowledge and skills in their own discipline of study.

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

45

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

2433

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

1071

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	**Nil**
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

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	**Nil**
Any additional information	View File

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

748

File Description	Documents
Any additional information	View File
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)

412

File Description	Documents
Any additional information	View File
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.

After admission, the first-year students are divided into groups based on their Higher Secondary specialization (Bio-Maths, Computer, or Vocational) and medium of instruction. To help students from the biology stream to improve their knowledge in maths and computer Science Bridge Courses are conducted. For vocational background, separate special classes are arranged for mathematics, physics, chemistry, and computer science. English communication skill training is provided for students from Tamil medium backgrounds.

Programmes for Advanced Learners:

Advanced learners are encouraged to pursue value-added courses on advanced topics through NPTEL/SWAYAM portals. Self-study courses of 3 credits are considered and added to credit instead of one elective course in the 7th or 8th semester on getting passed.

Students are also encouraged to prepare for competitive examinations like GATE, CAT, UPSC, GRE, TOEFL, and IELTS in order to enhance their opportunities for admission to higher studies.

Programmesfor Slow Learners:

Slow learners are given additional inputs by conducting coaching

classes with video clippings, handouts, and additional assignments/tutorials for problem-solving. When required, the students can contact the faculty members to clarify their doubts. Slow learners are continuously monitored and motivated by mentors to improve their performance.

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
02/07/2024	**2511**	**192**

File Description	Documents
Upload any additional information	[View File](#)

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:

The teaching-learning process is one of the major objectives and the strength of KSR College of Engineering. Students are given the right blend of traditional and modern methods to make learning student-centric and a rewarding experience. Experiential learning, participative learning and problem-solving methodologies are well adopted. Outcome Based Education (OBE) is implemented to achieve the desired learning outcomes.

1. **Experiential learning Laboratory Sessions are conducted with content beyond syllabus experiments Summer Internship Add-onCourses Project development Industrial**

1. **Participatory Learning Students participate in various activities viz. seminars, group discussion, Project Expo, Technical Symposium, attend conferences and present papers. Students are guided to actively participate in many competitions like hackathons and inter-institutionalcompetitions. They are also facilitated to**

interact with industry experts to understand industry expectations.

2. Problem-solving methods Students are given exposure to problems relating to various cross-cutting issues namely gender, human values, climate change, environment etc..To make them attempt to solve problems. They are mentored by faculty and given ideas to solve the problems. Case studies are given to analyze and make decisions. Regular tutorials and mini-projects also help them to solve problems.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional Information	Nil

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

Information and Communication Technology (ICT) has become an integral part of the teaching and learning process. The use of ICT tools has a greater impact on students learning, as they can access the learning materials anytime from anywhere.

KSRCE, realising the Power of ICT, has constantly encouraged the faculty and students to use the ICT tools wherever it is possible. Faculty are given training to regularly update the various tools available for modern innovative teaching and learning.

Faculty also Register for NPTEL / SWAYAM courses and update their knowledge. A notable number of faculty have taken various courses and qualified for the examinations in NPTEL.

Faculty are provided facilities to use online platforms such as Zoom, Google Meet and MS Teams to deliver lectures online. Continuous assessment tests and end-semester exams are conductedusing these platforms.

Smart classrooms are available in all departments where the faculty can download video clippings, course contents and quizzes online.

Digital Library provides e-resources, namely, e-books, e-journals, and databases which the faculty can access from anywhere. The use of ICT tools and online modes of education has become inevitable for effective teaching and learning. KSRCE and its faculty are fully prepared for the use of ICT tools.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://ksrce.ac.in/index.php/department/page/electrical-and-electronics-engineering/innovative_teaching_learning
Upload any additional information	**No File Uploaded**

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

2.3.3.1 - Number of mentors

192

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

The Academic Calendar is prepared by the Controller of Examinations (CoE) in consultation with the principal. It is prepared well in advance before the commencement of classes at the beginning of every academic year and circulated among faculty and students. The calendar contains the working days for the odd & even semesters and, the schedule of all curricular activities including continuous assessments, end-semester examinations and general holidays. The academic comprises the start and finish dates of classes, Continuous Assessment Test timetables, End Semester Examination (ESE) timetables, and tentative dates for practical and viva voceexaminations.

Teaching Plan.

The faculty prepare their lecture plan based on the working days/calendar and conduct classes.

Attendance and Assessment Record contains the following details to help effective delivery of the course content, for the attainment of COs, POs, and PSOs.

- **Vision and Mission of the Institution and department**
- **Programme outcomes**
- **Content beyond syllabus/modes of delivery**
- **Guest lectures arranged on various topics**
- **Theory/Tutorial/Laboratory classes handled**
- **Remedial classes for slow learners**
- **Performance analysis of students**
- **Class/Personal Timetable**
- **Attendance details of students**

Performance of students in

Assignment/Tutorial/Laboratory/Continuous assessment tests.

The above details are well maintained by every faculty and are subject to periodic academic audits.

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

192

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	[View File]()

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

69

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	View File

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

10

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

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

18

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

26

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<u>View File</u>
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

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

The automated software platforms are implemented in the continuous internal assessments, marks entry and the performance of students are analyzed by generating necessary reports such as maximum marks awarded, class average, Calculation of COs and POs and for Identification of slow and advanced learners.

On the student's request, Transcripts, Duplicate grade sheets, and CGPA to percentage conversion certificates are made available to graduates online.

Examination squads are constituted to ensure the fair conduct of examinations and adherence to norms. The academic audit will be done for the ESE question papers by experts from various premier institutions to ensure quality and improvement.

Questions for CAT and ESE are mapped with Course Outcomes and Levels of Cognition as recommended by Bloom's Taxonomy which facilitates assessing the attainment levels of COs, and POs. Seminar, project, assignment, presentation etc. areincluded as components of evaluation. The value-added and add-on courses are printed on the grade sheets with relevant grades.

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

KSR College of Engineering implemented Outcome Education in alignment with UGC and AICTE. Learning Outcomes and Objectives are well-defined for each course including practical. This helps both the faculty and student to come to a common understanding of their responsibilities, as the outcomes are measurable and quantifiable.

PEOs are defined for each department in alignment with their vision and mission statement. Programme Specific Outcomes are framed to help attain PEOs and the vision of the department.

The Curriculum and syllabus are designed such that the attainments of POs and PSOs can be measured through the COs. There are 5 COs for each course and it is mapped with relevant POs.

The POs and PSOs are displayed/printed in

- College website
- All prominent places of the department, faculty cabins, library, Classrooms and Laboratories Curriculum and Syllabi book
- Faculty Class Records
- Lab Records

The Course outcomes are disseminated to students through

- Curriculum and Syllabi book
- Student induction programme
- Question papers
- Mentor-Mentee meetings

The course-end survey gives feedback from every student on the attainment of COs in all the courses of the semester. The outcome and attainment levels are analysed and used for further improvement.

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

through direct and indirect assessments.

Attainment of Cos

The attainments of COs are based on direct and indirect assessment.

Direct

The various tools used for direct assessment are Assignments,Tutorials, Quizzes, Continuous Assessments, End Semester Examinations, and Rubrics for project works.

Indirect

The tools used for indirect assessment include a course-end survey collected at the end of every semester for each course.

Cumulative

Attainment of COs = [90% of Direct Assessment + 10% of Indirect Assessment]

Attainment of POs and PSOs

The attainment of POs and PSOs is measured directly from the COs. The attainment of POs and PSOs are measured quantitatively through COs by assigning weightage to the COs, that is Substantial (3), Moderate (2), and Slight (1) respectively.

Indirect

The Indirect Assessment of POs / PSOs includes the programme exit survey, alumni survey employer and also survey obtained from internships, workshops etc.

Cumulative PO/PSO attainment = 80% of direct assessment + 20% of indirect assessment

Cumulative

POs and PSOs attainment are calculated at the end of every academic year and are analysed for further improvement through discussion in PAC, DACand BOS.

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

698

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	View File
Paste link for the annual report	**Nil**

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://ksrce.ac.in/index.php/page?id=592&item=527

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

The Research and Development (R&D) activities at K.S.R. College of Engineering actively involve faculty, researchers, and students, with a focus on advancing research in areas of rural and social significance. The primary objectives are to foster innovation and promote multi-disciplinary research and product development.

The institution has a well-structured policy to support and enhance research activities. As part of this policy, the college encourages its faculty members, scholars, and students by providing the following support:

- Seed funding for projects addressing socially relevant issues and industrial applications.
- Access to essential infrastructure, including workspace, computers, software, testing equipment, books, and journals.
- On-duty leave, along with travel and registration allowances, for presenting research at national and international conferences.
- Flexibility in academic responsibilities for researchers nearing the completion of their projects.
- Special allowances for faculty members who complete their doctoral degrees.
- Incentives for faculty members submitting proposals to funding agencies and securing grants.
- Full coverage of patent filing costs for outcomes derived from research.

A Research Advisory Committee (RAC), formed under the leadership of the Principal, oversees the seed funding process. The committee evaluates project proposals for their relevance and feasibility before recommending them for funding.

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	**Nil**
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)

4.96

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

102

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	View File

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)

6.95

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	View File

3.2.2 - Number of teachers having research projects during the year

10

File Description	Documents
Upload any additional information	View File
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

33

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	[View File](#)

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.

KSR College of Engineering (KSRCE) has established a robust and well-structured ecosystem to foster innovation, knowledge creation, and its transfer. This ecosystem is supported by various dedicated centers, including the Research and Development Cell, Institution Innovation Council, Intellectual Property Rights (IPR) Cell, Community Radio, and Entrepreneurship Cell.

The Centre for Research, Anna University, Chennai, has recognized 33 faculty members from KSRCE as research supervisors, enabling them to guide research leading to Ph.D. degrees. The institution provides all necessary facilities and extends support to faculty, research scholars, and students to pursue their research endeavors.

The Institution Innovation Council at KSRCE nurtures young minds, encouraging innovation and entrepreneurship. Additionally, the Entrepreneurship Cell promotes entrepreneurship as a viable career path, offering career guidance through regular Entrepreneurship Awareness Camps, workshops, and Faculty Development Programs (FDPs).

KSREI Community Radio 90.4 MHz is an initiative aimed at empowering the Tiruchengode community. This platform offers students opportunities to engage with programs, activities, and events designed to enhance awareness of their rights, duties, and responsibilities as citizens, contributing to their overall success in life.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

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

49

File Description	Documents
Report of the events	**No File Uploaded**
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	View File

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

45

File Description	Documents
URL to the research page on HEI website	**Nil**
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

80

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

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

79

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

536

File Description	Documents
Any additional information	View File
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

15

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

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

4.9

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	View File

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

40000

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	View File

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

Students of KSR College of Engineering (KSRCE) actively participate in extension activities within the local community, helping them develop an understanding of various societal challenges and work toward their resolution. The institution emphasizes the role of science and technology in addressing and solving societal issues.

The NSS and NCC units of KSRCE engage in various social service initiatives, such as tree plantation drives both on and off campus, to promote environmental awareness and the importance of a green environment among the neighborhood community.

Students also organize and participate in cleaning programs along rivers and recycling plastic waste in collaboration with the National Pollution Control initiative, aiming to educate society on maintaining cleanliness and reducing pollution. A Mega Clean India Drive was conducted to emphasize the importance of preserving a clean environment, reducing pollution, safeguarding biodiversity, and protecting endangered species.

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

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

06

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	View File

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)

46

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

2506

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

483

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)

16

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	View File

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.

The campus is located in a sprawling 29.8 acres of lush green with a built-up area of 53,654sq.m.

There are 5 academic blocks as detailed below.

S.No.

Particulars

Description

Required as per AICTE norms

Available

1

Class Rooms(UG)

Multimedia Projector and Internet Connection

46

46

2

Class Rooms(PG)

Multimedia Projector and Internet Connection

18

18

3

Tutorial Halls

Multimedia Projector and Internet Connection

12

15

4

Smart Class Rooms

OPS Computer & Touch screen with Interactive Display

-

10

5

Seminar Halls

LCD Projector, Screen, ComputerWith LAN and PA system

-

10

6

Research, Project and other Laboratories

Well Equipped with Multiple Set of Apparatus, Computing Machines, Specific Software and Net Connection

65

65

7

Workshop

Lathe, Welding Machine, Cutting Machine and Hammer

1

1

Computing Facilities

.There are 1206 systems connected to internet with a bandwith of 280 Mbps. The college is seperately having a high voltage line(HT of 700KVA). To run all the computing machines with uninterrupted power, a total 480 KVA UPS systems is available separately for different laboratories. The entire campus has also equipped with 760 (380*2) KVA capacity of power generator, in order to run without power interruption.

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.)

In addition to Teaching Learning, the institution also focuses on

the extra-curricular activities such as sports &games and cultural activities.

Facilities for cultural activities:

- Musical instruments like keyboard, guitars, drum set and Audio system
- A Separate music club(SangeetMela)is functioning

Facilities of Sports Activities:

S.No

Description

Nos

Area

(Sq m)

Year of Establishment

Outdoor Games

1

400 m Standard Athletic Track/

Discus throw/Javelin throw/Shotput

1

32374.9

2003

2

Foot ball Field

1

5537.76

2004

3

Hockey Field

1

5202.57

2003

4

Volleyball Court

3

483.09

2004

5

Basket ball Court

1

464.51

2002

6

Tennis Court with Fence

1

706.063

2002

7

Ball Badminton Court

4

1300.64

2002

8

Kabaddi Court

4

557.41

2003

9

Hand ball Court

1

929.03

2008

10

Kho-Kho Court

1

929.03

2009

11

Cricket Field

1

15062.74

2003

Indoor Games

12

Table Tennis Court

6

594.58

2003

13

Carrom

10

2003

14

Badminton Court

4

2003

15

Basket ball Court

1

2002

Gymnasium & others

16

Indoor Gym(Men)

1

297.28

2004

17

Indoor Gym (Women)

1

89.18

2017

18

Open Gym

2

111.48

2019

19

Meditation Hall

1

133.33

2020

20

Swimming Pool

1

202.34

2003

21

Auditorium

1

1002.63

2008

File Description	Documents
Geotagged pictures	View File
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

97

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)

171

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)

K.S.R. College of Engineering Central Library automation software established 2001. Which is equipped with fully integrated multi-user

software. It is user friendly, informative and has the features such as powerful search engine which locates the status and location of the books in the library, displays all available books and the borrower status. Automated and uses the Integrated Library Management System (ILMS)

List of Modules available in the ILMS are:

Name of the ILMS software

Nature of Automation

Version

Year of Automated

LibMan

Fully Automated

1.1

2001 - 2021

iPALPAP ERP

Fully Automated

6.1

2022

Features of Library software:

1. E – Gate: This helps the admin to keep track of all the users, entries and exit.
2. Books Entries: Details of newly arrived books regarding title, author, publisher, date of purchase are documented and an accession number is generated for the book.
3. Books Issue &Returns: Details of issue of books and return of the users are recorded. A detail of the book renewal is entered based on the request of the faculty, studentsand staff.

4. **OPAC:** Online Public Access Catalogue helps the faculty, staff and students to view the availability of books and other library resources.
5. **Stack Verification:**This helps in annual stackverification;the manual process is replaced with ILMS. All the library recourses can be verified using bar coding.
6. **View the Reports:** Various reports like Books issued and returned, newly added and pending dues can be generated on daily basis from ILMS.

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)

39.6

File Description	Documents
Audited statements of accounts	[View File](#)
Any additional information	[View File](#)
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

1051

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

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

The institute has well-structured IT facilities with 280Mbps bandwidth for 24x7 connectivity. The institution has wired and 15 Wi-Fi hotspot at prominent locations -wireless connectivity for use of students and faculty members across the campus including the hostel. Adequate budget is allotted for carrying and maintenanceof theIT Infrastructure.

A separate Information Technology Enabled Services(ITES) team with in-house staff is constituted to take care of the IT & related needs of the campus such as Hardware & Networking, Email solutions, Software solutions, etc.

IT Infrastructure and Internet Facilities:

- 280Mbps of dedicated 1:1 leased line internet connectivity from AIRTEL.
- Desktops (1206) from various brands with latest configuration for students' usage.
- A dedicated helpdesk of 6 member technicians to address the computing and network issues.
- Wi-Fi Availability: Classrooms, laboratories, department offices, hostels and library are connected through 802.11 a/b/g/n protocol

- IT Security Model: Secured IT infrastructure through SOPHOS XG firewall to prevent unauthorized access with user privileges. Three-way Wi-Fi protection via IP restriction, MAC-binding & WPA/WPA2 password encryption.
- The allotted budget(2022-2023) for updating facilities is 20.00 Lakhs.

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
2511	1206

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	View File

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)

789.5

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.

- The Institution has established systems and procedures for maintaining and utilizing physical, academic and support facilities such as Laboratories, Computer Systems, Sports facilities etc.
- The maintenance of various facilities are carried out by the respective maintenance committee and hands of the department/sections, with the support of estate officer/housekeeping. Staff on daily basis and periodically. Necessary care has been taken to keep the equipment and machines in working conditions. In case of break down standard procedure is followed to bring this in working condition. Supervisors and technicians are appointed to monitor and maintain physical facilities and housekeeping.

Maintenance Committee

- The Institution has a separate Maintenance Committee that oversees the maintenance of buildings, classrooms and laboratories. The maintenance officer conducts periodic checks strength and small damage occur.
- Adequate in - house staff are employed to meticulously maintain hygiene, cleanliness andinfrastructure in the campus so as to provide a congenial learning environment. Classrooms, Staffrooms, Seminar halls and Laboratories, etc are cleaned regularly. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. The Green Cover of the campus is well maintained by a full time gardener

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

1391

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

501

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	**Nil**
Details of capability development and schemes	[View File](#)
Any additional information	[View File](#)

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

1840

File Description	Documents
Any additional information	**No File Uploaded**
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	**No File Uploaded**
Upload any additional information	**No File Uploaded**

5.2 - Student Progression

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

615

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

57

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

11

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

30

File Description	Documents
e-copies of award letters and certificates	[View File](#)
Any additional information	[View File](#)

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

The institution has an active Student Council that functions with the prime aim of improving and enhancing the standard of the learning environment in the campus. The functions of the council are to address the grievances of the students, consider the suggestions of the students and plan for further improvement. The council comprises of male and female students from each department. The minutes are recorded and actions are taken on the points discussed.

The college also has a separate committee for the hostel students with student members from both boys' and girls'.Those members will take care of the general activities of the inmates, monitor the mess proceedings and maintain the basic amenities in the hostels.

Various Students' Forums / Clubs / Cells listed below function in the College through which the students enthusiastically take part in different activities:

- Student Council Nominations
- Board of Studies
- PALS
- Anti- Ragging Committee
- NSS and NCC
- Music Club
- English Club
- Science Club
- Entrepreneurship Development Cell
- Women Empowerment Cell
- Internal Compliance Committee

Academic and Extra Curricular Committees:

- Class Committee Meeting
- Board of Studies

- **Slow Learners Committee**
- **Sports Committee**
- **Cultural Committee**
- **Hostel Committee**

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

39

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

The institution has established a registered Alumni Association to enhance connections among students, management, faculty, and alumni of K.S.R College of Engineering. This initiative aims to foster collaboration and improve interactions for mutual benefit, ultimately enhancing the quality of services provided to students and benefiting society as a whole. An interactive and user-friendly alumni website (https://ksrce.ac.in/index.php/alumini/create) are available for alumni to register and engage with current students. Alumni actively contribute to the college through various initiatives, including delivering guest lectures, serving as chief guests at events, mentoring junior students, and participating as members of the Board of Studies and expert panels. They also play a vital role in providing industrial and placement connections. In addition to formal association meetings, the institution values alumni input through feedback and suggestions on the existing

curriculum and updates on emerging trends, utilizing networking platforms like email and WhatsApp.

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	**E. <2 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

We envision to achieve status as an excellent educational institution in the global knowledge hub, making self-learners, experts, ethical and responsible engineers, technologists, scientists, managers, administrators, and entrepreneurs who will significantly contribute to research and environment-friendly sustainable growth of the nation and the world.

Mission

- **To inculcate in the students self-learning abilities that enable them to become competitive and considerate engineers, technologists, scientists, managers, entrepreneurs, and administrators by diligently imparting the best of education, nurturing environmental and social needs**
- **To foster and maintain a mutually beneficial partnership with global industries and Institutions through knowledge sharing, collaborative research, and innovation**

The Governing Body delegates authority to the Chairman/Managing trustee and the Principal. The Principal shares it with the HoDs, AO, Coordinators/ Conveners of various cells and Committees. The

Management is assisted by Governing Council of the Institution, which takes over the planning and execution of various activities. 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.

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

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

The Head of the Institution is empowered with full autonomy for overall monitoring of administrative and academic activities

Administrative Autonomy

Administrative autonomy is decentralized to the Principal, HoDs, Administrative Officer, and various Cell Coordinators as described 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 autonomy to take decisions related to planning, implementation, and management of all the financial resources.

Academic Autonomy

The Board of Studies (BoS), the Academic Council and the Department Advisory Committee are given the power to design, implement, and monitor the curriculum, syllabi and assessments.

Examination Autonomy

CoE 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.

File Description	Documents
Upload strategic plan and deployment documents on the website	[View File](#)
Upload any additional information	[View File](#)
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

KSRCE evolves its strategic plan based on its SWOT analysis, stakeholder's feedback and its need to meet competitive environments among the institutions. Strategic planning is proposed as a key tool for systematic approach to bring the necessary changes for greater internationalization in the institutional direction and daily operations. The long-term strategic plan is revised once in five years and the short-term plans are revised once in a year.

The key decisions of the strategic plan are discussed in the Governing Council for further improvement in the plan and communicated to stockholders for implementation. The Strategic Plan 2020-2025 of K.S.R. College of Engineering (Autonomous) is derived to enhance the activities of various stockholders to reach the vision and mission of the Institution.

This Strategic plan emphasizes the developments in the following areas

- Curriculum Aspects
- Teaching-Learning Process
- Research Activities Faculty, Staff and Students
- Co-Curricular Activities
- National and International Collaborations
- Industry and Community Interactions

- **State of the art infrastructure**
- **Involvement of Stockholders**

Accreditation Ranking & Reorganization (National and

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	**Nil**
Upload any additional information	View File

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 quality education, the Institution has defined policies and procedures for administration, with constituted institutional bodies, of which the Governing Council is highly authoritative.

Academic Bodies

The Academic Council and Board of Studies which are Statutory Bodies of the autonomous institution takes essential monitoring on the curriculum, Programme to be implemented, courses to be included, syllabi improvisation and all amendments related to National policies for education.

Service rules and 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 on the Institutional website. The faculty shall conduct Lecture, Lab, Tutorial, Seminars and attend all other academic, co-curricular and extracurricular activities assigned to them. 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	**Nil**
Upload any additional information	[View File](#)
Paste link for additional Information	**Nil**

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	**No File Uploaded**

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 in 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 run by the management**
- **All faculty and supporting staff were provided with EPF ,ESIC and group insurance facilities**
- **Yoga and meditation classes are conducted to enrich their mental and physical health**
- **Female staff and faculty can avail maternity leave for a period of six months and male staff and faculty can avail paternity leave for one week**

Wealth

- **Faculty / staff can avail salary advance if any necessity arises**
- **Special allowance of Rs.10,000/- provided to the faculty with Ph.D. qualification**
- **Faculty and staff can avail 25% fees concession for their children in the school and college run by the management**

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

148

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

21

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

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.)

`173`

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

`Process of the internal audit`

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

`Process of the external audit`

`The accounts of the Institution are audited by chartered accountant regularly as per the government rules. The Institution has appointed statutory external auditor Mr. K.Selvaraj (M.No.029260) to audit the accounts once in a year. Discrepancies during the audit are discussed and sorted out with the supporting documents.`

`Audit procedures`

`   1.  Sources of Income Verification`
`   2.  Expenses Vouching`

`Mechanism for settling audit objections`

`During audit, the queries raised by the chartered accountant are addressed by the finance committee. Explanation to the queries has to be given within 15 days time and rectification entries are done within 10 days. Auditor reviews the audited financials, and after discussion with the Management, signs the financials, before filing returns with the Department of Income Tax.`

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)

0

File Description	Documents
Annual statements of accounts	View File
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

Finance committee

The Governing Council and the Finance Committee of the institution takes decision on financial and related matter. The Financial Committee, nominated by the Principal has the responsibility for planning, implementing, and managing all the financial resources

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., to meet expenses.

Fund allocation

During the budget preparation, all the 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 etc., Finance committee will meet to deliberate the proposal and make necessary changes for proper balance of receipts and expenditure.

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, day-to-day operational and administrative expenses, maintenance charges, purchase / up-gradation of laboratories equipment, etc.,

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)

INSTITUTIONALIZING QUALITY ENHANCEMENT INITIATIVES

K.S.R. College of Engineering has established an Internal Quality Assurance Cell (IQAC) for the quality enhancement and sustenance of Academic improvements prescribed by the NAAC. IQAC has been an integral part in developing a system for conscious, consistent and catalytic improvement in the overall performance of the College. The IQAC is committed towards internalization and institutionalization of quality enhancement initiatives in higher education. It helps the institution in planning and monitoring. IQAC interacts with stakeholders including Students, Teachers, Parents, Alumni and Community, a cross sectional participation in the institution's

quality enhancement activities.

The IQAC takes various initiatives to ensure incremental improvements of quality and its sustenance in all events of academic activities such as,

- Teaching Learning Process – Outcome based Education Innovative and Modern Technologies in TLP
- Faculty and Student skill development
- Research and Innovation
- Training and Placement
- Career Guidance
- Submission of AQAR to NAAC IIQA
- NBA / NIRF Accreditation process
- Feedback analysis and Remedial measures
- Institutional Innovation Council

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

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

Direct and indirect assessments are carried out to measure the attainment of POs and COs. The continuous internal assessment and the semester-end examinations contribute to the direct assessment methodology. The course-end survey records, exit-survey records, placement records and employer feedback are used for indirect assessment. The attainment of course outcomes is recorded for each semester and necessary follow-up action is taken if any of the course outcomes is not attained.

The programme outcomes are assessed and subsequently follow-up action is taken where required. To substantiate the attainment of COs and subsequently POs, the question papers of internal assessment tests and semester end examinations follow Blooms Taxanomy levels with emphasis on higher order thinking questions. The question papers follow Bloom's Taxonomy to cater to different levels of student thinking skills. Both for the internal assessment tests and semester end examinations, the questions papers are scrutinized for the quality by the heads of the departments and senior professors.

File Description	Documents
Upload any additional information	[View File](#)
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	**Nil**
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

An Annual Gender Sensitization plan is published in the college website and awareness is created among the students. Women empowerment Cell organizes women empowerment lectures, awareness programs and various competitions for motivating the young female students. In every class, one girl student is made the class representative. The girl students are encouraged to be top-level executives of various cells and clubs. To promote women leaders, the female faculties are appointed as heads of different departments, cells and clubs. Girl students are encouraged to serve the society and the nation by actively participating in NSS and NCC. Their participation in NSS is around 30 - 40% and NCC is minimal. To

encourage the girl students in curricular, co-curricular as well as extracurricular activities, KSRCE offers two special awards every year - "Best Outgoing Student (Girl)" and "Best overall Sports Person (Girl)".

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	**Nil**

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)

SOLID WASTE MANAGEMENT

Campus Solid Waste Management program is implemented to segregate and recycle organic waste, paper, cartons, paper cups, soft drink tins, plastic, pet bottles, e-waste, bio-waste, etc. Each block and each floor is provided with dry waste collecting bins, waste collected every day is handed over to the local municipal authorities. Incinerator machine has been installed to dispose sanitary napkins and Separate bins are provided in Ladies Hostel to separate the napkins from other waste. LIQUID

WASTE MANAGEMENT

Sewage treatment plant of capacity 1,20,000 litters per day at a cost of Rs 49,50,000 has been established.

E-WASTE MANAGEMENT

The E-waste management has been given due focus and all Electronic

goods are put to optimum use, the minor repairs are done to set right the equipment by the staff and the Laboratory assistants and the major repairs, by the professional technicians, and are reused.

WASTE RECYCLING SYSTEM

The wastewater originating from the bathrooms and toilets are collected by two-pipe system, where one pipe carries wastewater due to bathing, washing of clothes and cleaning and the other one carries human faeces and night soil. An average of 5000 cum/year is used for irrigating plants in 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: 1. **Green audit** 2. **Energy audit** 3. **Environment audit** 4. **Clean and green campus recognitions/awards** 5. **Beyond the campus environmental promotional activities**	**A. Any 4 or all of the above**

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, reader, scribe, soft copies of	**A. Any 4 or all of the above**

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	No File Uploaded

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).

KSRCE caters to the inclusive environment with diversity in terms of culture, region, linguistic, communal, socioeconomic and other aspects and is a big promoter of diversified environment in various ways. An effort to handle Cultural diversity KSRCE accommodates the culturally diversified students by encouraging the exchange of cross-cultural ideas and celebration of the festivals of different culture. The students from the other states are motivated to participate in the cultural festivals of Tamil Nadu also. Efforts to handle Regional diversity students of all regions are provided with equal chances to participate in the co-curricular activities including clubs/cells and extra-curricular activities like sports, cultural events and yoga. During such participation, the students from different parts of Tamil Nadu and the country share their region-specific attributes by mingling with the others. Efforts to handle Linguistic diversity English is utilised as a medium of teaching in all the classrooms to bridge the gap between the region specific teaching and the expectations of the students and faculty of the other states. The students and the faculty of all the communities and religions are a part of this temple of learning which shows that the institute strives to provide conducive environment for all.

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:

The values are inculcated through courses in the curriculum, namely Value Education, Yoga & Values for Holistic Development, Universal Human Values: Understanding Harmony and Professional Ethics & Human values. In addition, Yoga and meditation club conducts regular programs to make our students to understand the value of being humane. Through NSS, NCC, Rotaract club, Self Development Cell (SDC), Youth Red Cross, Energy-Environment club and Consumer Citizen club, various programs are organized to make the students realize their rights, duties and responsibilities. Blood donation camps by NSS and other clubs along with the hospitals in Tiruchengode and Erode through Lion's club Anemia awareness camps - For girl students and female faculty, as Women are prone to anemia. Blood samples are taken and the anaemic students and faculty are given advice by doctors on individual basis. Health awareness programs to general public - Marathons of 3 and 5 km named as "Healthy Run" Camps for enrolment of voter ID for the students who turned 18, correction of voter ID and training to students to enroll for voter ID through online so that they can help others are organized to make the students to be aware of their rights and duties.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	[View File](#)
Any other relevant information	No File Uploaded

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.R. College of Engineering (KSRCE) provides outstanding supports towards celebrating national and international commemorative days, events, and festivals. 17 cells and clubs are active in KSRCE for the benefit of students' community. These clubs and cells join together and celebrate various events; for example, National-level events such as Independence Day, Republic Day, Teacher's Day, Gandhi Jayanti, Swami Vivekananda Jayanti, National Voters Day, Constitution Day, Engineers Day, NSS Day, NCC Day, Day, Eye Donation Week and so onlike World Health Day, International Yoga Day, International Women's Day, World Environment Day, Science Day, World Youth Day, World Water Day, World Population Day, World No Tobacco Day and so on. Further, regional festivals like Thai Pongal, Mattu Pongal (Thamizhar Thirunal Festival) are also celebrated. KSRCE contributes huge resources in terms of manpower, money, facilities and material for celebrating above kinds of events. National events such as Republic day and Independence Day aid to increase the unity among the students, promote the feelings of pride of our own country, which helps to raise the patriotic spirit among young minds. National and international leaders/scientists' commemorative days are celebrated to acknowledge their contribution towards the nation/society and to make students be aware of their services.

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	**No File Uploaded**

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

GO GREEN ENVIRONMENT PRACTICE

OBJECTIVES OF THE PRACTICE:

The institution binds to focus on clean and Green Environmental practices that aims at achieving eco-friendly atmosphere in the campus. Expanding the greenery in the campus. Initiating activities to protect the environment and to reduce carbon emission by using energy resources. Effectively maintaining the solid waste and e-waste. Minimization of waste generation and safe disposal of the wastes in campus. Conserving recycled water in flushing and gardening system. Conservation of electrical energy by implementing energy efficient system and solar panels.

OTHER BEST PRACTICES

NATIONAL SERVICE SCHEME (NSS)

NSS unit is functioning with 100 student volunteers. This unit is conducting various social related activities in and out the campus. 'Tree Plantation' camp is executed by NSS student volunteers with the guidance of NSS co-ordinators and the Principal. This program is carried out in K.S.R College of engineering campus. Yearly, 400 saplings are planted at an interval of 3 meters which were planted around 28 acres in and around the buildings and at vacant places regularly. Tree saplings are being collected from our KSR management's own nursery.

File Description	Documents
Best practices in the Institutional website	https://ksrce.ac.in/index.php/page?id=802&item=720
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)

As envisioned in the vision of the institution, it is important to

enhance the skills of students from the school level so that they can meet the needs of the skill set. For this purpose, we have arranged outreach programme for school students to know about the basics of engineering especially in the field of mechanical engineering. A Community Outreach team helps individuals in a community. The main purpose of this program is to raise awareness about the individual's skill set which empower them towards engineering that would benefit student community. This certification helps the students to obtain a job by proper mention of the program. This will inculcate their inner abilities about technical ideas to solve a problem. The program moulds the students to empower themselves in the fields of engineering and life sciences.

File Description	Documents
Appropriate link in the institutional website	Nil
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

To improve academic quality through enhanced teaching learing process.

Enhancing experential learning by involving more industry related courses and skill development activities.

To empower and develop students interdisciplinary skills through introduction of domainand cultural clubs.

To promote research culture among faculty and increase the number of publications and grants in institution.

To increase the instituional social responsibilities activities and catering to the needs of the society

To increase the innovation and product development through development of Centre of excellence and skill development of faculty and students