YEARLY STATUS REPORT - 2023-2024

Part A	
Data of the Institution	
1.Name of the Institution	K S SCHOOL OF ENGINEERING AND MANAGEMENT
• Name of the Head of the institution	K. Rama Narasimha
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	08028425163
• Mobile no	+919900633688
• Registered e-mail	principal@kssem.edu.in
• Alternate e-mail	k.ramanarasimha@kssem.edu.in
• Address	Mallasandra
• City/Town	Bengaluru
• State/UT	Karnataka
• Pin Code	560109
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Urban

• Financial Status	**Self-financing**
• Name of the Affiliating University	**VTU**
• Name of the IQAC Coordinator	**Dr. Vijay Arekal**
• Phone No.	**9663590628**
• Alternate phone No.	**9606064188**
• Mobile	**9663590628**
• IQAC e-mail address	**iqac@kssem.edu.in**
• Alternate Email address	**arekal.vijay@kssem.edu.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.kssem.edu.in/images/naac_2018_CRITERIA1_1735721838263.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://kssem.edu.in/images/naac_2023_CRITERIA6_1735706917743.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B++**	**2.88**	**2021**	**28/09/2021**	**27/09/2026**

6.Date of Establishment of IQAC	**29/12/2021**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Vijayalakshmi Akella/ Dr Rashmi H R	FDP	AICTE-ATAL	2023 (6days)	Rs 2,50,000
Dr. Vijayalakshmi Akella	Seed money	Unnat Bharat Abhiyan	2024 (1 year)	Rs 50000
KSSEM	KSCST-SPP	KSCST	2023-24 (1 year)	39500

8.Whether composition of IQAC as per latest NAAC guidelines	Yes	
• Upload latest notification of formation of IQAC	View File	
9.No. of IQAC meetings held during the year	3	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Whether IQAC received funding from any of the 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)

KSSEM has setup an Innovation centre in association with Ultratech Cements Ltd during the academic year 2023-24 to promote innovation and entrepreneurship culture among student community.

KSSEM has initiated a program, IDEATHON during the academic year 2023-24 to for faculty to promote research and innovation culture in

the institution.

The UG Research program an initiative launched under the umbrella of K S Research Innovation and Foundation and Skill Development Activity, aimed at enhancing the research and practical knowledge of students

Faculty internship scheme is also lunched. Two faculty have completed internship with industry partners

Two capacity building programs were conducted for non-teaching staff

12.Plan of action chalked out by the IQAC in 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
Proposed to form KSSEM –Ultractech Innovation Centre to encourage innovation and entrepreneurship culture	KSSEM –Ultractech Innovation Centre was established ? Students were offered internships and placements
To promote research and innovation among faculty, Ideathon program	? Faculty Ideathon was initated. ? About 10 reserach ideas were

13.Whether the AQAR was placed before statutory body?	Yes

- Name of the statutory body

Name	Date of meeting(s)
IQAC Committee	09/02/2024

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2022-23	16/03/2024

15.Multidisciplinary / interdisciplinary

The Institution offers Engineering and Management programs, programs such as Artificial Intelligence & data science, Computer Science and Engineering, Civil Engineering, Computer science and Business Systems, Electronics and Communication Engineering, Mechanical Engineering and Business Studies that provide enormous opportunity

for collaboration and interaction between the various departments in a variety of activities. Idea Club: A club that encourages collaboration between faculty and students from all departments, fostering innovation and technical cooperation. It focuses on idea generation for projects and entrepreneurial ventures. Interdisciplinary Projects: The institution promotes cross-department collaboration on projects like Autonomous Drones and Automobile Design, which are guided by faculty and often lead to participation in national competitions. Research and Funding for Interdisciplinary Projects: Students and faculty are encouraged to apply for funding for interdisciplinary projects, facilitating the exchange of knowledge, resources, and technologies across departments. Sports and Cultural Activities: These activities provide opportunities for faculty and students to collaborate in organizing events, which strengthens teamwork and inter-department coordination in a healthy, engaging environment. Multidisciplinary Events: The institution organizes multiple events where participants from various departments come together to share their research and expertise, promoting knowledge sharing and interdisciplinary learning. Together, these efforts aim to cultivate a culture of collaboration, innovation, and diversity within the institution.

16.Academic bank of credits (ABC):

K S School of Engineering and Management is affiliated with Visvesvaraya Technological University (VTU), Belagavi, and follows the credit system regulations set by the University. VTU is a State University in Karnataka. As per the University's guidelines, the institution implements the Choice Based Credit System (CBCS). In this system, students enrolled in the 1st year of the BE/BTech program must complete a minimum of 175 credits, while lateral entry students need to complete at least 135 credits to be eligible for graduation. For M.Tech students, a minimum of 88 credits is required, and for MBA students, a minimum of 100 credits is necessary to qualify for graduation. The University also offers an Honours program and a Minors program for BE/BTech undergraduates. To participate in these programs, students are required to earn an additional 18 credits through online platforms such as MOOCs, NPTEL, or Swayam. These earned credits can be transferred to other universities, provided equivalence is established, as the University is registered under the Academic Board of Credits. Every academic year , a database for students admitted will be created and submitted to the University, including the student ABC ID.

17.Skill development:

To become successful engineers, students must possess a deeper

understanding that goes beyond traditional theoretical knowledge. In addition to the foundational knowledge gained through coursework and practical experiences, it is essential for engineers to continuously enhance their skills to remain competitive. Universities and colleges play a crucial role in this by offering skill development programs that equip students with the latest technological tools and techniques. One of the key strategies to equip students with these skills is through the establishment of skill labs. These labs not only provide students with hands-on experience but also foster industry-academic interaction. Faculty members can benefit from skill labs by acquiring new competencies, which enhances their ability to teach and mentor students effectively. Skill development programs also contribute to the personal and professional growth of both students and faculty. These programs encourage critical thinking, problem-solving, creativity, and adaptability, all of which are essential for success in the modern workforce. At K S School of Engineering and Management, various skill labs are available across disciplines to support this skill development. Each department has its own dedicated lab, where students can explore topics beyond the regular curriculum. For instance: The Placement and Training Department provides students with soft skill development and hands-on experience in analytics. The Civil Engineering Department features an Advanced Structures Lab, where students are trained in non-destructive technology, such as Round Hammer. The Electronics and Communication Department provides skill sets in areas like embedded programming, Python programming, VLSI, and networking. The Mechanical Engineering Department offers programming skills for machining, manufacturing tools, and process technology. The Computer Science and Engineering Department and allied branches offers an IoT (Internet of Things) lab for practical project work related to IoT technologies. In conclusion, skill development labs provide an essential platform for students and faculty alike, enabling them to stay ahead in an ever-changing technological landscape.

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

Language Medium: Offering courses in Indian languages such as Kannada, Hindi, Tamil, Bengali, etc., enables learners to engage with content in their native language. This enhances understanding, accessibility, and promotes the preservation of regional languages. Teacher Training: Educators need training to effectively deliver content in Indian languages and incorporate Indian knowledge systems. This includes subject expertise, pedagogical strategies for online teaching, intercultural communication, and creating inclusive

learning environments. Cultural Context: Incorporating Indian cultural elements into the curriculum, including case studies, examples, and references to Indian traditions and histories, helps learners connect with the material and promotes cultural pride. Curriculum Development: Develop a comprehensive curriculum that integrates Indian knowledge systems, such as traditional practices, indigenous sciences, philosophical frameworks, and artistic expressions. Collaboration with experts is crucial to ensure accuracy and inclusivity. Technology Infrastructure: Invest in online platforms that are accessible, user-friendly, and supportive of Indian languages. The infrastructure must facilitate seamless communication, interaction, and assessment across diverse languages. Community Engagement: Foster engagement through discussion forums, virtual events, projects, and collaborations that connect learners with experts and communities of Indian knowledge systems. This promotes a sense of belonging and learning in a culturally relevant context. Assessment Methods: Develop assessments that align with course objectives and accommodate various learning styles. Innovative methods such as project-based assessments, portfolio evaluations, and oral exams can be incorporated to assess practical application. Research and Innovation: Encourage research in Indian knowledge systems by providing opportunities for learners and educators to contribute. Support interdisciplinary approaches that combine traditional knowledge with modern perspectives. Collaboration and Partnerships: Foster collaborations with educational institutions, cultural organizations, and subject matter experts to enrich course content and ensure authenticity. Partnerships with regional universities and indigenous communities will help validate and refine the integration. Continuous Feedback and Improvement: Regularly seek feedback from learners, educators, and other stakeholders to assess the effectiveness of the courses and make improvements based on emerging research and user experiences. By addressing these considerations, online courses can serve as a powerful tool for integrating Indian knowledge systems, promoting linguistic diversity, and preserving India's rich cultural heritage.

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

The institute follows a well-structured procedure for the Teaching-Learning process, ensuring student development. This process is includes the following phases: 1. Planning The syllabus for all programs is prescribed by the University. For each subject, Course Outcomes (COs) are drafted by the respective subject teachers, verified by the IQAC coordinator and Head of Department. These COs are aligned with Bloom's Taxonomy, emphasizing different cognitive

levels and focusing on specific learning objectives. Lesson plans are prepared in advance, taking into account the institution's and department's calendar of events. 2. Delivery and Assessment The content defined in the lesson plans is delivered according to the timetable. The course owners adhere strictly to the planned curriculum. The assessment methods, as defined by university regulations, are followed meticulously. Internal assessments are aligned with Bloom's Taxonomy, using action verbs for clarity in evaluation. 3. Evaluation and Attainment Course owners evaluate student assessments and document them. The attainment of the COs and Program Outcomes (POs) is then calculated, using both direct and indirect methods. This includes evaluating how students meet the targets defined in the CO-PO-PSO (Program-Specific Outcomes) matrix. The correlation between CO, PO, and PSO is represented on a scale of 0 to 3, where 3 denotes high alignment, 2 indicates medium, and 1 shows low alignment. To aid weaker students, corrective actions are taken to ensure continuous improvement. The evaluation process includes Continuous Internal Assessment (CIA) and Semester End Examinations (SEE). 4. Innovative Teaching Methodologies Faculty members are encouraged to employ innovative teaching methods beyond traditional blackboard instruction. This includes using multimedia tools such as slideshows, videos, quizzes, charts, seminars, and organizing industrial visits, all aimed at enriching the learning experience. 5. Experiential Learning The institution emphasizes practical learning through industrial visits, allowing students to observe real-world applications of classroom concepts. Students also work on mini-projects in laboratories, and various curriculum concepts are demonstrated through hands-on experiments. Internships are encouraged during vacation periods, helping students stay updated with industry trends. 6. Participative Learning Students are actively engaged in learning activities such as group discussions, extensive referencing, online research, and analyzing published literature. These activities are embedded in daily assignments, encouraging students to take part in guest lectures, professional body activities, and various competitions. 7. Problem-solving Methodologies Students are motivated to solve real-time problems by participating in intercollegiate events like project exhibitions, technical skill forums, and model-making activities. They also take part in Hackathons and other competitions that highlight their skills, foster innovation, and provide recognition for their achievements. Through this comprehensive approach, the institute ensures that students are not only taught theoretical knowledge but also gain practical, participatory, and problem-solving skills that contribute to their overall development.

20.Distance education/online education:

Post-pandemic, the landscape of education has undergone a major transformation, with online education becoming a basis of modern learning. Previously underestimated in scope and impact, online education has gained significant traction as both a means of formal education and professional development. This shift has led to a surge in people turning to online courses and certifications to enhance their skills and qualifications. The benefit of online education is the ability to share ideas, techniques, and resources on a global scale. It provides a platform for pooling knowledge and facilitates collaboration among individuals and institutions. Colleges and universities, which once focused almost exclusively on traditional degree programs, are now diversifying their offerings to cater to a broader demographic. This includes not only full-time students but also working professionals seeking to upgrade their skills or shift careers. In response to the changing scenario of work and education,educational institutions are introducing short-term, non-credit courses, and certificate programs. As the focus shifts toward skills-based learning, it is equally important to ensure that educators keep pace with evolving teaching methods and technological advancements. Faculty Development Programs (FDPs) play a crucial role in this regard, offering educators the tools and training necessary to stay updated in both their subject matter and teaching pedagogy. These programs allow faculty members to enhance their research capabilities and improve their teaching methodologies, ensuring that students receive the most current and relevant instruction. At KSSEM, significant investments have been made to support both faculty and students in their learning journeys. The availability of e-books, e-journals, and other online resources ensures that students and staff have access to valuable learning materials at their fingertips. Additionally, KSSEM has implemented IP-enabled systems and remote access via tools like Map My Access, which enhances the accessibility and flexibility of learning resources. Beyond infrastructure, KSSEM also encourages its faculty and students to engage with workshops, FDPs, and online certification programs. These initiatives allow them to build new competencies, improve existing ones, and remain competitive in their respective fields. Online certifications, in particular, provide an excellent opportunity for learners to complete coursework at their own pace, fitting their learning schedules around their professional and personal commitments.

Extended Profile

1.Programme

1.1	270

Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1 Number of students during the year	**1562**

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	**108**

File Description	Documents
Data Template	View File

2.3 Number of outgoing/ final year students during the year	**280**

File Description	Documents
Data Template	View File

3.Academic

3.1 Number of full time teachers during the year	**99**

File Description	Documents
Data Template	View File

3.2 Number of sanctioned posts during the year	**101**

File Description	Documents
Data Template	View File

4.Institution

4.1 Total number of Classrooms and Seminar halls	**42**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**365.67**
4.3 Total number of computers on campus for academic purposes	**861**

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The Institution, affiliated with Visvesvaraya Technological University, follows its prescribed schedule and regulations. Curriculum delivery is managed through a systematic approach as outlined below:

1. Academic Calendar: The University provides an academic calendar, which serves as the basis for the Institutional Calendar.
2. Department-Level Planning: Each department creates its Calendar of Events, incorporating department-specific activities.
3. Subject Allocation and Scheduling: Subjects for the upcoming semester are assigned
4. Time Tables are then prepared, ensuring adherence to prescribed hours.
5. Lesson Planning: Faculty members individually draft lesson plans based on the time table and Calendar of Events.
6. Innovative Teaching Methodologies are devised to enhance curriculum delivery.
7. Student performance is monitored consistently in line with University guidelines through
   - Continuous Internal Evaluation (CIE): This includes

three internal assessments and assignments.
- Semester-End Examination (SEE): Conducted at the end of the semester by the University. GPA is determined by combining CIE and SEE scores.
8. Faculty employ Bloom's Taxonomy throughout the planning and delivery phases.
9. Regular student mentoring identifies concerns and tracks progress,
10. Feedback is obtained through:
- Individual student responses
- Class Committee Meetings.
11. Faculty meetings are regularly conducted to ensure alignment with planned processes.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA1_1736490780545.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The Academic Calendar provided by the University is strictly followed by the institution.

- Institutional Calendar: An Academic Committee drafts the Institutional Calendar, incorporating schedules such as Internal Assessments.
- Department-Level Schedules: Departments prepare specific calendars outlining their planned activities for the semester.
- Regular departmental meetings ensure timely lesson delivery and schedule adherence.
- In accordance with University guidelines, the institution conducts three Internal Assessment (IA) tests during the 5th, 9th, and 13th weeks of the semester. Practical and laboratory courses are evaluated based on:
  - Marks for observation/record books.
  - Internal Assessment test performance.
- The academic calendar schedules three theory-based CIE tests and one practical IA test. If changes are necessary, the Academic Committee revises the schedule and communicates it to all stakeholders.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.kssem.edu.in/images/naac_2018_CRITERIA1_1736742037696.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	**B. Any 3 of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

7

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

2

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

195

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The institution incorporates cross-cutting issues such as Professional Ethics, Human Values, Environment, and Sustainability into its curriculum, as mandated by the affiliating university.

Students in Engineering and Management are required to complete courses like:

- Constitution of India, Professional Ethics, and Human Rights.
- Environmental Studies and Technological Innovation.
- Universal Human Values, Social Responsibility, and Management & Entrepreneurship.

Programme-specific courses address areas such as Sustainability Engineering, Renewable Energy, Waste Management, Cyber Law, and Human Resource Management. To further emphasize socially relevant issues and promote active student engagement, the institution

organizes:

- **Expert Talks and Workshops: Topics include women's empowerment, anti-harassment initiatives, and gender sensitivity.**
- **Social Service Activities: Through the National Service Scheme (NSS) and Unnat Bharat Abhiyan (UBA).**
- **Volunteering Opportunities: Students are encouraged to collaborate with NGOs and non-profits, earning graduation credits.**

File Description	Documents
Any additional information	[View File](#)
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	[View File](#)

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

75

File Description	Documents
Any additional information	[View File](#)
Programme / Curriculum/ Syllabus of the courses	[View File](#)
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	[View File](#)
MoU's with relevant organizations for these courses, if any	[View File](#)
Institutional Data in Prescribed Format	[View File](#)

1.3.3 - Number of students undertaking project work/field work/ internships

551

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	E. None of the above

File Description	Documents
URL for stakeholder feedback report	https://www.kssem.edu.in/images/naac_2023_CRITERIA1_1736870549426.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows	E. Feedback not collected

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.kssem.edu.in/images/naac_2023_CRITERIA1_1736870567245.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

448

File Description	Documents
Any additional information	[View File](#)
Institutional data in prescribed format	[View File](#)

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

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

70

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 the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institute conducts an induction program for newly admitted students, during which the Principal and Heads of Departments address the students on several key topics, including:

1. The vision and mission of the college and respective Departments.
2. Introduction to Department faculty members.
3. Details of courses offered across various streams by the university.
4. Procedures, regulations, and institutional guidelines.
5. Professional and co-curricular activities available in campus.

Additionally, students are familiarized with the college's academic calendar, course details, passing criteria, grading systems, and guidelines for internal and external examinations.

To cater to diverse learning needs, students are assessed and categorized based on their performance in the first internal examinations. Those scoring below 50% are identified as slow learners, while others are considered advanced learners.

For slow learners:

- A list is prepared after consultations with subject teachers and consolidated by the class teacher and Head of Department.
- Remedial classes are organized to help these students improve their performance, with personalized attention and regular counselling provided.

For advanced learners:

- Encouragement is given to participate in departmental activities, inter- and intra-college events, competitive exams, and problem-solving exercises.
- They are also guided to take on challenging tasks like mini-projects to enhance their learning experience.

File Description	Documents
Paste link for additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA2_1735369785552.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1562	106

File Description	Documents
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 institution promotes a student-centric approach by integrating experiential learning, participative learning, and problem-solving methodologies into its educational practices.

Experiential Learning

Experiential learning fosters analytical and creative thinking through hands-on activities. The institution adopts various approaches to spark student interest in emerging technologies, including:

- Incorporating lab demonstrations for theoretical concepts in the curriculum.
- Assigning mini-projects under the guidance of supervisors.
- Motivating students to pursue industry internships for deeper exposure to corporate culture.

Interactive Learning

Faculty members are encouraged to employ diverse teaching methodologies to enhance students' learning experiences and skill development. These methods include:

- Group discussions, seminars, and subject-related quizzes within the classroom.
- Organizing various departmental club activities to foster active participation and engagement.

Problem-Solving Methodologies

Students are motivated to address real-world challenges through activities such as:

- Participation in inter- and intra-college events like project exhibitions, tech forums, and model-making competitions.
- Identifying real-time problems and developing solutions through projects.
- Engaging in national-level events like Hackathons, Ideathons, seminars, and conferences.

This comprehensive approach ensures that students gain practical knowledge, enhance their skills, and are well-prepared for real-world challenges.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA2_173536991392O.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The integration of Information, Communication, and Technology (ICT) enhances the classroom instructional process, fostering effective

teaching and learning. The institute provides various ICT-enabled resources, including LCD projectors in classrooms, internet-enabled computer labs, and a Wi-Fi-enabled campus. Additionally, the institute employs Microsoft Teams as its education management software, assigning each student a Teams ID upon enrolment.

Key features include:

- Learning Materials: Study content such as PowerPoint presentations, study materials, assignment questions, and question banks are made available to students throughout the semester.
- Library Resources: The college library is equipped with e-journals, e-books, and research journals accessible both on campus and remotely through a centralized server.
- Teaching Aids: Faculty utilize PowerPoint presentations, including hyperlinks to simulation videos, and audio-visual aids to deliver engaging lectures. Resources like NPTEL and other online platforms are also incorporated into teaching.

To further support students, PowerPoint presentations are shared for subject preparation. Invited talks, webinars, and departmental events are regularly organized in the seminar hall to enrich the learning experience.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

91

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

99

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

27

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

432

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

1. The institution is affiliated with Visvesvaraya Technological University (VTU) and adheres to Continuous Internal Assessment as per University Regulation No: 17OB 8.0.
2. Currently, the institution follows different CBCS schemes and the 2020 NEP scheme for first-year students.
3. An Academic Calendar is prepared in alignment with the University calendar, which includes Internal Assessment dates. This calendar is shared with students and uploaded to the institution's website.
4. Faculty members are instructed to prepare two sets of question papers based on Bloom's Taxonomy. These are reviewed by the Head of the Department, IQAC, and Principal.
5. Test coordinators within each department handle the seating arrangements for students, assign invigilation duties, and manage the distribution of question papers and bluebooks.
6. Answer scripts are evaluated promptly within the stipulated timeframe, and students are advised to review their marks.
7. The scheme of evaluation is discussed with students after each Internal Assessment.
8. The university mandates three internal assessment tests, and students are required to attend all three. The average of the three test scores is recorded.
9. For laboratory courses, one internal assessment test covering all experiments is conducted at the end of the semester.
10. Students are informed about their internal marks after evaluation.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA2_1736403749957.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

Internal Assessment: Theory and Lab

The Academic Calendar specifies the schedule for Continuous Internal Evaluation (CIE), which includes three Internal Assessment (IA) tests. The dates for these assessments are provided in the calendar.

- **Theory Assessments:**
  - **The timetable for each IA test (IA1, IA2, and IA3) will be displayed on the department notice board one week before the tests, as organized by the internal test coordinators.**
  - **Seating arrangements will be posted on the notice board on the day of the exam.**
  - **Faculty duties for invigilation are assigned by the internal test coordinators and communicated to all faculty members.**
  - **After evaluation, students are required to verify their marks. Any discrepancies reported by students will be reviewed and corrected by the faculty in charge.**
  - **Grievances are addressed in Class Committee meetings held after each assessment, and appropriate corrective measures are taken to resolve the issues.**
- **Lab Assessments:**
  - **Students must submit lab records and observation sheets regularly upon completing each experiment. Marks are recorded in the observation or record book.**
  - **Final IA marks are shared with students, and any concerns regarding these marks are addressed and resolved before the final submission.**

File Description	Documents
Any additional information	View File
Link for additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA2_1736403851218.pdf

2.6 - Student Performance and Learning Outcomes

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

The institution is affiliated with Visvesvaraya Technological University (VTU), which prescribes the curriculum. Guided by its

broad vision and mission, the institution ensures that all departments align their activities with these core principles.

The Programme Objectives (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs) are clearly defined by each department. These are prominently displayed on the institution's website, notice boards, classrooms, and laboratories.

The PSOs are designed to align closely with the vision and mission of both the departments and the institution. Course Outcomes are formulated by the respective course in-charge using Bloom's taxonomy verbs and levels as specified by the University. At the beginning of each semester, CO-PO mapping and lesson plans are developed for every course. These COs are also discussed with students to ensure clarity and understanding.

Stakeholders, including students, faculty, and other relevant parties, actively contribute to refining the PSOs, ensuring continuous improvement and alignment with the institution's objectives.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA2_173700184290.pdf
Upload COs for all Programmes (exemplars from Glossary)	[View File](#)

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The Teaching-Learning process at the institute adheres to a well-defined and structured approach, uniformly implemented across all departments. The process is divided into three key stages: Planning, Delivery and Assessment, and Evaluation and Attainment.

Planning

1. The syllabus for all programs is prescribed by the University.
2. Course Outcomes (COs) and lesson plans are prepared by the respective course in-charge.
3. While formulating COs, the course in-charge ensures alignment with the program's objectives and desired outcomes.

Delivery and Assessment

1. All departments follow a structured timetable for delivering course content.
2. Faculty members ensure that the delivery of course material aligns with the pre-defined lesson plans.
3. Internal assessment norms are set by the University and adhered to by all departments.
4. Bloom's Taxonomy principles are integrated into assignments and internal assessments to ensure a systematic and effective evaluation process.

Evaluation and Attainment

1. Assignments and internal assessments are evaluated by the respective course in-charge.
2. Internal assessment marks are recorded periodically for tracking student performance.
3. After the announcement of final exam results by the University, the attainment of COs and POs is calculated.
4. Attainment levels are determined through a comprehensive analysis of CO-PO-PSO matrices, internal marks, and external exam marks.
5. The correlation between COs, POs, and PSOs is quantified on a scale:
   - 1: High
   - 2: Medium
   - 3: Low

This systematic approach ensures consistent planning, delivery, and evaluation to achieve the desired learning outcomes effectively.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA2_1737001334320.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

266

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://www.kssem.edu.in/images/naac_2023_CRITERIA2_1736744525109.pdf

2.7 - Student Satisfaction Survey

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

https://kssem.edu.in/images/naac_2023_CRITERIA2_1736506346292.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

19

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

2

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.kssem.edu.in/images/naac_2023_CRITERIA3_1736138243626.pdf

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The institution has created an appropriate ecosystem for Research and Innovation by recruiting desirable human resources. The institution has six, University recognized research centers with relevant equipment's which are useful to carry out research by the faculty and research scholars. The institution has 25 state of the art Computer Labs. The institute is having a separate R&D cell to inculcate the culture of research amongst faculty and students.

During the year 2023-2024, nearly 13 proposals have been submitted from the institution. The institution encourages the faculty members to pursue Ph.D.

The student clubs in the institution, motivate the students to involve in various researches related activities, like mini projects, project exhibitions, guest lectures, paper presentations, workshops etc.

The library of the institution is enriched with a wide range of books (23716 books +12483 e-books), more than 6912 national and international journals from various fields. Online IEEE journals are also accessible to the researchers.

Departments have signed MoU's with various industries. Under these MoU's many events like workshops, FDP's, technical talks are organized. Students are also sent to their industries for internships.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA3_1734414811922.pdf

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

8

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

27

File Description	Documents
URL to the research page on HEI website	https://www.kssem.edu.in/images/naac_2023_CRITERIA3_1736138426015.pdf
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

7

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

20

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The institution strives to promote over all development of the students by encouraging them to participate in various cocurricular

and extra-curricular activities to nurture them to be socially responsible. The institute is conscious of its role in the neighborhood community development and has initiated a number of community development activities as per AICTE that include: World Diabetes day, Voice of youth, Blood donation camp, Swacha bharath activity, Waste segregation drive, Compulsory voting awareness, Women empowerment programme, Plastic ban awareness, Helping Local Schools to Achieve good results and enhance their enrollment in higher education, Spreading public awareness under rural outreach program, Digital promotion in Rural Areas and skill development, Empowering Education, Food preservation & packaging, Feed the hunger, Old Age Home Approach, helping the orphans in Ashram.

File Description	Documents
Paste link for additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA3_1732266483475.pdf
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

0

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

15

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

1000

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

129

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

22

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	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 equipment etc.

The institution has state-of-the-art facilities for teaching learning process which are highlighted below:

Each class room and Laboratories are designed and maintained as per AICTE norms with respect to carpet area, lighting, ventilation and furniture to have a conducive ambiance and practical exposure.

Classrooms are provided with LCD projectors to extensively use ICT in classrooms.

Institution has three spacious seminar halls and an auditorium with state-of-the-art facilities.

Laboratories are well equipped with adequate number of experimental set-ups, computers and peripherals.

Twenty-two active MOUs are signed with various industries.

R&D labs in Civil Engineering, Mechanical Engineering, Electronics and Communication Engineering, Computer Science Engineering, Chemistry and labs in Electrical and

Electronics Engineering and Physics are equipped with appropriate equipment help to carry out research activities to a greater extent.

Presently 1075 desktops and few servers which are adequate in number for computational and related purposes.

Uninterrupted power supply (UPS) is made available in the institution so that the students and staff can access the computers without any interruption.

College has been a preferred venue for various exams and evaluation due to the excellent infrastructure facilities like

COMED-K exam centre, GATE exam centre, DEEKSHA PU exam centre, banking exams centre etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kssem.edu.in/images/naac_2023_CRITERIA4_1734679508376.pdf

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

K. S. School of Engineering and Management has a very active Physical Education Department with adequate facilities for sports, games, gymnasium, etc., The institution has provided facilities for conducting indoor and outdoor sports, games and cultural events. It encourages students to take part in intercollegiate, University, State, National and International level competitions.

The institution has won many Gold, Silver and Bronze medals in the sports. The institution has two sports ground of area 902.66 square meter and 3203.63 square meter. It is developed for outdoor sports like Volley ball, Throw ball, Kabaddi, Basketball and Indoor sports like Badminton, Carom, Chess etc., the sports Department is responsible in organizing and celebrating the sports day. National festivals. Students are encouraged to conduct NSS camps, Blood donation camp, Social Awareness camps and so on. Every year the college festival "AROHANA" is conducted and various cultural competitions are conducted like Kalasanthe, photography, quiz, Dumb charades, tug of war, treasure hunt, minute to win it, Kannada Antyakshari, solodance, group-dance, solo-singing, Cooking and Fashion show to show case their talent. An experienced cultural coordinator is nominated to encourage and monitor the students for taking part in all the cultural activities.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://kssem.edu.in/images/naac_2023_CRITERIA4_1732693611490.xlsx

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

42

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://kssem.edu.in/images/naac_2023_CRITERIA4_1734680309230.xlsx
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View File](#)

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

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

200.86

File Description	Documents
Upload any additional information	[View File](#)
Upload audited utilization statements	[View File](#)
Upload Details of budget allocation, excluding salary during the year (Data Template	[View File](#)

4.2 - Library as a Learning Resource

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

Library serves as the heart of an institution. It is the gate way of knowledge for the stake holders to access resources both in print and digital format. It is an academic and intellectual centre with rich information in varied formats stored in an organized way.

Library is fully automated using "Libsoft" Software, Version 9.8.5. It supports all in-house activities of the library.

WEBOPAC: enables users to search library resources and facilitates online reservation of books. It is integrated in the college website http://kssem.edu.in/.

VTU Consortium: KSSEM library is a member of VTU Consortium. Users are provided access to E-Resources. IP enabled access enables users to access it from anywhere in the campus.

Knimbus: is a platform that provides universal search services to all the subscribed and selected open access contents. It provides off-campus and mLibrary app service to E-Resources. All these E-Resources can be accessed at https://kssemb.knimbus.com/.

Drillbit Software: It has provided access to Drillbit plagiarism detection software designed and developed to identify copied and plagiarized content.

IRINS: is a web-based Research Information Management Service. It enables faculties to showcase their scholarly activities. KSSEM is an instance of IRINS. Its link is provided at https://kssem.irins.org/.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://kssem.edu.in/images/naac_2023_CRITERIA4_173329463698.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

24.76

File Description	Documents
Any additional information	View File
Audited statements of accounts	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 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

261

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

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

For upgrading the IT infrastructure in the institution, the suggestions are received from HOD's of various Departments, faculty, System Administrator, Lab technicians and will be assessed in every academic year.

Upgradation of Software and Hardware

Syllabus is frequently revised by the affiliating University VTU.

New courses are introduced in the revision based on industry needs. Whenever the new courses are introduced, the necessary software's and hardware are purchased. Some of the software's are procured from open source and others are purchased. Operating System (OS) is also upgraded frequently.

Internet

The institution is equipped with 200 Mbps leased line which is connected to all the classrooms, laboratories and library however 300 Mbps leased line is available as a backup in the server room laboratories. Students are having an access to the digital library to make use of the e –Journals and other e resources.

Online Question Paper Delivery System (QPDS) facility is available to print the semester end examination question papers.

The students are provided Wi-Fi facility in the college hostel.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://kssem.edu.in/images/naac_2023_CRITERIA4_1732696432359.pdf

4.3.2 - Number of Computers

1075

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

4.3.3 - Bandwidth of internet connection in the Institution	**A. ? 50MBPS**

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

365.67

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

The Institution has well-furnished and spacious classrooms. The classrooms are monitored through CCTV cameras. Few classrooms are also equipped with LCD projectors for better teaching-learning interactions.

The institution has well equipped laboratories with log-in registers.

The institution library is fully automated with LIBSOFT® software.

There is regular stock verification process done by the library.

The institution also has the facility of Digital library.

The sports facilities are maintained by Physical Education Department. Stock registers and log-in registers are maintained. The

institution as well as hostel, both have indoor and outdoor games facility.

Computers are maintained by system administrator. Inspection and service activities are being carried out periodically.

Garden assistants are responsible to maintain lush green campus.

Housekeeping staff ensure the hygiene and cleanliness of the campus. The institution has adequate bus facility for the students and staff. There is free transport from the institution to the nearest Metro station.

The parking facility is well maintained. The entire campus is monitored through CCTV cameras.

Periodically all the buildings are inspected and repairs are carried out. All the buildings are painted depending on the requirement.

Maintenance of lifts, CCTV cameras and water purifier are done regularly.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kssem.edu.in/naac#2023

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

715

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

32

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	**A. All of the above**

File Description	Documents
Link to Institutional website	https://kssem.edu.in/about_placement#training_programs
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

2014

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

2014

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

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	**A. All of the above**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

103

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

8

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

4

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

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

3

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

The institution has a clear defined procedure which is inclusive, transparent and structured, that defines how students can be involved in various administrative, co-curricular and extra-curricular activities. This representation and engagement benefit both the institution and the student community. This has led to better decision-making, enhanced learning experiences and personal growth of students.

Students are included in institutional committees like disciplinary, anti-ragging, anti-sexual harassment, cultural, sports, NSS, grievance redressal cells, professional bodies like IEEE, ISTE, Google Developers Club and others. Students play active roles in organizing cultural, academic and extra-curricular events. Students selected in the various committees will be from diverse background to ensure inclusivity and to promote equality.

Students are included in key areas of administrative involvement like feedback mechanism where students assess the teaching quality, campus facilities and event management where students collaborate with administrative team to organize cultural and technical

festivals.

The institution encourages the students to organize or attend seminars, workshops, field trips, educational tours, participate at various competitions at university or state or national level, organizing various events through clubs and societies, to create social responsibilities through community engagement by organizing blood donation camp, rural services and etc.

The institution encourages the students to participate in sports and physical activities, arts and culture, community services like environmental campaigns, organizing donation drives or teaching underprivileged children's.

File Description	Documents
Paste link for additional information	https://kssem.edu.in/images/naac_2023_CRITERIA5_1736122671763.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

14

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The institution was established in the year 2010 and is growing steadily since its inception. With first batch of students graduating in the year 2014, the alumnus base of institution is growing rapidly. The alumnus are spread in various fields ranging from higher education in NITs, IITs in India, as well as abroad in Page 51/73 20-09-2024 01:39:16 Annual Quality Assurance Report of K S SCHOOL OF ENGINEERING AND MANAGEMENT countries like US, UK,Australia and employed in major MNCs like SAP Labs, NTT Data, Infosys, Toyota Industries etc. Many are gainfully employed in startups as well as their own family setups. The Alumni association has been formed on 8/11/2022 with the registration number DRB4/SOR/228/2022-2023 in the institution. Every year 1st week of April alumni meet will be conducted .

File Description	Documents
Paste link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA5_1707796188647.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs) | E. <1Lakhs |

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 and in tune with the vision and mission of the institution

- To encourage the communication of knowledge through ICT, the Institute offers a welcoming learning environment with a pleasant ambiance, cutting-edge technology, and a wide range of services (NPTEL Vide, Projectors with internet access in the classroom, Case studies, Surveys, Field trips and Visits).
- The faculty and staff at the institute are highly qualified.
- The Institute promotes participation in faculty development programs, contests, and workshops among its faculty and student body.
- The Institution arranges conferences, seminars, and guest

lectures by prominent individuals from Industry and academia.

The institution aims to turn out competent students and student leaders who are dedicated, technically sound, and ready for industry integration.

File Description	Documents
Paste link for additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA6_1735018289116.pdf
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Decentralization

In order to achieve decentralized administration, the organization supports operational independence for all functionaries:

- **To discuss the progress made in the current period compared to planned activities, the Governing Council meets on a regular basis.**
- **The Principal is provided with a comprehensive implementation process by management for the planned programs.**
- **A major part of carrying out important choices made by the board members is the Academic Advisory Board, which reports to the board on the progress done.**
- **Heads of the various departments receive directives on the action plan from the Principal/Director, who serves as their functional authority.**
- **Using a calendar of events and assigning qualified individuals to specific responsibilities, the HOD organizes the activity of the department. Work completed to fulfil the standards is periodically evaluated.**
- **Faculty members are assigned specific tasks to do, which they then report back to committee leaders and heads of HODs.**

Participative Management:

Strategic Level

- **In addition to approving the budget for each activity, KSSEM involves each relevant stakeholder in a variety of academic**

activities, such as the planning and drafting of activities for a given academic year.

Functional Level

- Establishing a team with defined roles and responsibilities, faculty and students work together. Faculty members are involved in carrying out both academic and extracurricular duties.

File Description	Documents
Paste link for additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA6_1735017367570.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The establishment of the institution was driven by the desire to inspire young people to pursue innovation and research by fostering and strengthening an effective research culture. A few grants from several nationalized research funding bodies, including KSCST, VGST, NRB, VTU, and others, have been successfully obtained by the institution.

Among the standards established to build a robust research culture are

1. Setting up a research center and composing grant applications for projects to be funded by public and private entities.
2. Encouraging students to submit proposals for KSCST.
3. Conducting conferences at the national and international levels to share information.
4. Obtaining Honors and Rankings from universities for both undergraduate and graduate degrees.
5. Improving the NAAC accreditation rating from B++ to A.
6. Getting NBA accreditation.

Mathematics, Mechanical, Electronics & Communication, Computer Science Engineering, Chemistry and MBA are the current six research centers. There are twenty five scholars registered with different

Research Centers. Faculty and students publish their research papers in reputable publications on a regular basis. When it comes to material testing, KSSEM is involved in consulting work for departments of mechanical and civil engineering. Departments of Computer Science and Civil Engineering file and grant patents.

The institution also helps the faculty members and research scholars by arranging for financial assistance and granting the time off they need to attend.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA6_1734503622499.pdf
Upload any additional information	View File

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

- The Management and the Principal follow the guidelines established by the Governing Council.
- In accordance with the Governing Council's directions, the President, Secretary, and Treasurer oversee all of the institution's operations and take the appropriate actions. When it comes to making any changes to the system, the AAB gives the management the essential recommendations.
- Between the staff and management, the Principal/Director serves as a mediator. The task of framing various Departmental activities falls to HODs.
- A predetermined framework is used to choose faculty members who meet quality standards. Those who have made the short list are invited to an interview with a selection panel. The principal, HODs from several departments and a subject matter expert make up the panel. Based on merit, the panel chooses a qualified applicant who will be invited to a meeting with management. This is where the candidate's final selection is completed. Staff members receive periodic promotions and motivation based on their performance and level of commitment in institutional activities.
- Before the AAB, any employee who has completed their doctorate will make a presentation. After that, the AAB will decide whether to advance him or her to the next level.

File Description	Documents
Paste link for additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA6_1734503369089.pdf
Link to Organogram of the institution webpage	https://www.kssem.edu.in/images/naac_2021_CRITERIA6_1676455054478.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	B. Any 3 of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The following are the Welfare facilities provided for teaching and non-teaching Faculty,

1. Leave the premises to attend FDP, Workshop, or Seminar or to visit industries
2. EPF in accordance with the PF Act,
3. ESI facilities to qualified workers.
4. Funding for conference attendance, FDPs, and workshops.
5. The institute every year felicitates the staff members who have given 100% result in their subjects.
6. The institution extends congratulations to its teaching and non-teaching staff members who have worked for the company for

```
     ten years.
  7. Employees receive a portion of revenue as rewards for
     exceptional accomplishments such as securing funding agency
     approval for project proposals.
  8. The institute supports its employees' involvement in
     extracurricular activities like athletics, NSS camps, and
     other events.
  9. Creates a sense of belonging amongst faculty members by
     involving them in various committees.
 10. Marriage Leave.
 11. Regular faculty development programs, conferences, and
     workshops are held to spread knowledge among the teaching
     fraternity and the supporting personnel.
 12. An employee receives a gratuity in exchange for their
     services.

Leave for maternity
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File Description	Documents
Paste link for additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA6_1735373971264.pdf
Upload any additional information	View File

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

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

33

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 programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes

organized by the institution for teaching and non teaching staff during the year

3

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	**No File Uploaded**
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

62

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The institution strictly follows all the basic recruitment and promotional policies. The performance appraisals are done in a transparent manner.

Teaching Staff: Every year, faculty members are required to submit self-appraisals in the format specified to the Head of Department. HOD offers feedback on each faculty member's advantages and disadvantages. After that, it is delivered to the principal. Each faculty member is evaluated by the AAB and the principal at the conclusion of each academic year. The topic outcomes, dedication, readiness to assume responsibility, research contribution—in the form of submitted proposals, published articles, etc.—and student comments are among the evaluation criteria.

Based on each faculty member's accomplishments and progress, the Management then analyzes the results. The yearly increments that each faculty member will receive are then determined by management.

Non-Teaching Staff: Non-teaching staff members provide their own evaluations, which cover their duties performed, helping faculty members run laboratories smoothly, attending FDPs and workshops, and any other significant achievements. It is discussed with the Principal and Management following the HOD's review.

File Description	Documents
Paste link for additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA6_1735369176885.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Internal audit: It is carried out on a regular basis to give management a summary of the organization's efficacy. Every month, internal audits are conducted and verified at KSSEM. Every year, on a quarterly basis, TDS audits are conducted and documented following internal auditor verification. The institution's profit and loss accounts, cash flow statements, balance sheets, various miscellaneous accounts, and income and expenditure statements are the primary areas of focus for the internal audit team. Statements of income and expenses are recorded as financial receipts or vouchers/bills, accordingly. Every document is archived for future use.

External Audit: Every year, an experienced auditor audits the institution's accounts. He is in charge of approving each and every one of the organization's financial transactions. An external auditor carefully reviews the organization's financial accounts to determine its financial standing. They also look closely at the institution's internal systems to make sure any deviations need to be addressed. Internal Audit members audit these documents on a regular basis, and after they have all been verified, all of the documents are sent to chartered accountants. All of the auditor's conclusions and observations are finally recorded in an audit report.

File Description	Documents
Paste link for additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA6_1733293818986.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0.22337

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Strategies for mobilization of funds

The presented strategies are listed below.

1. Through organizing seminars and conferences in conjunction with VTU and a few other governmental organizations, including DST, NAL, DRDO, NRB, etc.

2. By means of sponsorships obtained for organizing diverse activities inside the establishment
3. Through consultancy
4. Requesting funding from AICTE under MODROBS to replace outdated equipment and infrastructure
5. By providing the necessary facilities for holding competitive exams
6. Rising funds and donations from the Alumni

Optimal utilization of resources

KSSEM has a clear policy in place for the institution's money mobilization. The Kammavari Sangham management closely monitors the mobilization of funds. The financial officer oversees all of the institution's financial transactions, which are authorized by the secretary and the principal. All of the Kammavari Sangham's financial requirements are met by the treasurer. The HOD is the first to hear requests from individual departments to disburse any monies. The HOD then transmits the information to the Principal for suggestion. The Principal then brings the matter before the Secretary for permission, and following that approval, the financial officer sanctions the amount.

File Description	Documents
Paste link for additional information	https://www.kssem.edu.in/images/naac_2023_CRITERIA6_1733293719272.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

IQAC ensures clarity for institutional functioning to achieve and enhance quality culture through following two best practices to enhance the quality of students: Strategy 1: Setting up of Ultratech KSSEM innovation centre ? KSSEM has setup an Innovation centre in association with Ultratech Cements Ltd during the academic year 2023-24 to promote innovation and entrepreneurship culture among student community. ? innovation centre facilitates training, internships and best practices of construction industry for students ? It also conducts various completions such as hackathon, quiz, mix design of concrete for students .

Strategy 2: Faculty ideathon ? KSSEM has initiated a program, IDEATHON during the academic year 2023-24 to for faculty to promote research and innovation culture in the institution. ? About 10 research ideas were presented by the faculty. These ideates were well received and considered for further action through, student projects, proposals for funding and faculty research etc..

File Description	Documents
Paste link for additional information	https://kssem.edu.in/images/naac_2023_CRITERIA6_1735705767233.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

1. IQAC Contribute, Monitor and Evaluate the Teaching-Learning process ? The IQAC plays a vital role in maintaining and ensuring timely, efficient and progressive performance of academic tasks. IQAC ensures to define the importance of course file and its components such as Academic Calendar, Lesson Plan, CO-PO mapping etc. ? IQAC committee prepares the Institute Academic Calendar by considering affiliating University Academic Calendar at the beginning of every semester including schedule for internal tests and other events. Department heads prepare Department Academic Calendar by including schedule for PTM/CCM/workshops/seminars/FDPs as per Departmental requirements.

2. IQAC Contribute, Monitor and Evaluate the Assessment process ? IQAC has introduced a new system of setting two sets of question papers for every Internal Assessment (IA) in each course, out of which one paper is selected by the Principal. IQAC is making sure that Bloom's Taxonomy is applied while framing the questions to address the OBE system. Course outcomes and Bloom's levels are indicated for each question as per IQAC formats. ? IQAC has set the benchmark to identify the slow learners after each internal assessment and special remedial classes are arranged for such students to improve their performance.

File Description	Documents
Paste link for additional information	https://kssem.edu.in/images/naac_2023_CRITERIA6_1735719700719.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	**C. Any 2 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	https://kssem.edu.in/images/naac_2023_CRITERIA6_1735706685590.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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
Safety and Security **The institution has established several committees, such as the Grievances Committee, Anti-Ragging and Disciplinary Committee, and Anti-Sexual Harassment Committee. These committees include both male and female staff members and meet regularly to address issues and concerns. Meetings are also held in coordination with the hostel wardens. Key measures include:**

- Deployment of well-trained security personnel across the campus.
- Security checkpoints at all entrances and exits.
- Separate, dedicated hostels for male and female students, each managed by wardens.
- A comprehensive CCTV network with 24/7 surveillance.
- Hourly transportation services to the nearest public transit point.
- Availability of ambulance services for emergencies.

Counselling Support

The institution offers guidance to help students independently analyse and resolve their problems through a structured mentoring system.

Additional initiatives include:

- Dedicated counselling rooms for student support.
- A Memorandum of Understanding (MOU) with KSSEM and HCTS, ensuring students receive recognition, counselling, and necessary training for career placement.

Common Rooms

Separate common rooms for male and female students are provided, each managed by attendants. These rooms are equipped with:

- Drinking water facilities.
- First aid kits.
- Beds for rest. Grievances related to common rooms are addressed by the Grievance Committee.

File Description	Documents
Annual gender sensitization action plan	https://kssem.edu.in/images/naac_2023_CRITERIA7_1736335472247.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://kssem.edu.in/images/naac_2023_CRITERIA7_1736335630617.pdf

7.1.2 - The Institution has facilities for	C. Any 2 of the above

alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	

File Description	Documents
Geo tagged 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 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Solid Waste Management

- **Paper, packaging materials, plastics, glass, metals, and other materials are among the solid waste products that are mostly produced on campus.**
- **Separate bins are provided at each floor for collection of solid waste.**
- **This waste is collected on a regular basis by the committed teams of housekeeping professionals and dumped in the campus common area.**
- **The approved vendors pick up the waste at the assigned location and dispose of it in accordance with regulations.**

Liquid waste management

- **The campus's canteen, hostel and students recreational areas are the main sources of liquid waste.**
- **There are separate bins are provided to collect this liquid waste.**
- **The collected food waste is collected by authorized vendors who dispose it off as per regulations.**
- **The primary sources of liquid waste on campus are the lab, canteen, and bathrooms. These wastes are transformed into a usable form by the KSSEM sewage treatment plant (STP).**

Waste Recycling system

- **The garden is watered using the sewage treatment plant's**

purified water.

- Compost is created from the biodegradable waste (dry leaves, vegetable waste) produced on campus and applied as garden manure.
- Few single use plastic bottles are reused for storing cleaning chemicals and disinfectants.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	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

B. Any 3 of the above

File Description	Documents
Geo tagged 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:

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

A. Any 4 or All of the above

File Description	Documents
Geo tagged 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 are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives 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	C. Any 2 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 disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	C. Any 2 of the above

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

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

The institution has a Rotaract club, NSS, and several department clubs to foster inter-cultural and inter-regional cooperation. By taking part in events like the Swatch Bharath Abhiyan, project exhibition, sports day, and technical and cultural festival, the students are inspired to take on social duties. Many festivals, including Ganesh Chaturthi, Ayudha Pooja, Kannada Rajyothsava, and others, are observed by the staff and students. Several Jayanthis such as Valamiki Jayanthi and Ambedkar Jayanthi among others among others are organized.

First-year students participate in induction activities that raise their knowledge of human values and prepare them to become responsible engineers and citizens. Students can also take a course on universal human principles as part of their curriculum.

"No deserving student should be deprived of quality education" is the institution's policy. In this sense, the institution offers socioeconomically disadvantaged students merit-based scholarships. A distinct scholarship area offers students guidance on the several scholarship programs offered by different governmental and non-governmental organizations. Students are also assisted in the application process by the scholarship section.

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

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

KSSEM sensitizes the students and the employee of the institution to the constitutional obligations about values, rights, duties and responsibilities of citizens which enables them to conduct as a responsible citizen. The institute organizes few activities such as celebration of birth anniversaries of personalities like Ambedkar Jayanthi, Sarvapalli Radhakrishnan birth anniversary (Teachers Day), Mahatma Gandhi Jayanthi, and National festivals like Independence Day and Republic Day are celebrated.

To create awareness on the rights, duties, responsibilities of citizens and constitution obligations a course is offered on Constitution of India and Professional ethics. Various events are planned. Few Curriculum contents are:

Introduction to Indian Constitution,

Union Executive and State Executive,

Professional / Engineering Ethics,

Constitutional special provisions.

The institution also has conducted awareness programs on Fundamental Duties and Rights of Indian citizens and other constitutional obligations.The institution offers a course on social connect and responsibility to create awareness of reusing waste materials and conducting heritage trips to enhance leadership, responsibility and creating awareness about culture and tradition. A induction program for first year students was hosted with warmth and grandeur, wherein the students and parents attended this colossal event with exuberance.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://kssem.edu.in/images/naac_2023_CRITERIA7_1736493251212.pdf
Any other relevant information	https://kssem.edu.in/images/naac_2023_CRITERIA7_1736493275346.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic 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 4. Annual awareness programmes on Code of Conduct are organized	`B. Any 3 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 programs 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

KSSEM places great importance on nurturing human values and endeavors to instill these principles among its students and staff. As part of this mission, the institution organizes various national festivals and commemorates the birth anniversaries of prominent Indian personalities with heartfelt enthusiasm and respect. National celebrations such as Republic Day, Independence Day are observed with patriotic fervor.

The institution takes pride in celebrating the birth anniversaries of iconic leaders like Swami Vivekananda, Mahatma Gandhi, and

others. These events serve as an opportunity for the Principal, faculty, and students to honor the contributions of these visionaries, reinforcing their teachings and values. Also Women's Day, World Environment Day, and Yoga Day are marked with purposeful activities that raise awareness and social responsibility among the KSSEM community.

Engineers' Day, Teachers' Day,Ayudha Pooja and Vinayaka Chaturthi are also celebrated on campus, creating an atmosphere of cultural unity and reverence for Indian traditions.

Through these diverse celebrations, KSSEM aims to cultivate patriotism, respect for influential leaders, and an appreciation of both global and cultural values. These initiatives contribute significantly to the holistic development of students, encouraging them to grow into socially responsible and culturally aware individuals.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	[View File](#)
Geo tagged photographs of some of the events	[View File](#)
Any other relevant information	[View File](#)

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

BEST PRACTICE-1

TITLE: Setting up two question papers for the internal assessment

Objective: To give an opportunity to students to improve IA marks in case of circumstances.

Context: The student is given the chance to take the IA that he was unable to attend due to some unanticipated circumstances. A question paper that was not chosen during the regular IA is provided.

Evidence of Success: Helps student secure the IA and minimum passing requirement for the course after taking the semester end examination.

Problems Encountered/Resources Required:

- **Preparing the two question papers and schemes.**
- **Matching the learning levels in both the question papers.**

BEST PRACTICE-2

TITLE: Fee concession for economically weaker section of the student.

Objective: To provide quality education to deserving student of economically weaker sections of society.

Context: Merit scholarships are provided by the trust to worthy students from economically and socially disadvantaged backgrounds, encouraging them to continue higher education.

The Practice: At the time of admission, the identified students receive a fee reduction, and the same is provided for the next three years.

Evidence of Success: Each student are effectively placed in reputable organizations, and the fee reduction aids in their completion of the graduate program.

File Description	Documents
Best practices in the Institutional website	https://kssem.edu.in/images/naac_2023_CRITERIA7_1736506283851.pdf
Any other relevant information	https://kssem.edu.in/images/naac_2023_CRITERIA7_1736506306552.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Soft Skill Training and Placement

Soft skill training is provided to the students for one week each semester starting in the third semester. The institution's students receive in-depth instruction in soft skills, interpersonal skills, and job-specific competencies. Additionally, the students receive

instruction in software, communication techniques, resume writing, interview preparation, upcoming technologies, etc.

Finding vendors or training partners to train students in accordance with current market demands is the duty assigned to the Placement & Training department. Students benefit from this activity by being placed in reputable companies, and some go on to become second or third generation entrepreneurs.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Multi-disciplinary approach to research should be promoted

- The objective is to promote multidisciplinary research among the faculty
- Motivate the staff members to apply for funding agencies.
- To write research articles.
- To setup multi-disciplinary research lab.

To set up Entrepreneur Development cell

- Arrange lectures on Incubation.
- Arrange lectures on Idea of startup.
- Arrange workshop on writing the business proposals.

To set up Intellectual Property Cell

- Arrange lecturers on IPR
- To conduct workshop on patent drafting
- To motivate students staff and to apply for patents.