



YEARLY STATUS REPORT - 2022-2023

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://kssem.edu.in/images/naac_2022_CRITERIA1_1708759605374.pdf

4. Whether Academic Calendar prepared during the year?

Yes

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

https://www.kssem.edu.in/images/naac_2022_CRITERIA6_1708767541854.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B++	2.88	2021	28/09/2021	26/09/2026

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	Seminar/Symposium	SERB-DST	2022-23	1,10,000
KSSEM	KSCST-SPP	KSCST	2022-23	51,000

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 5

- 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 Kammavari Sangha Research and Innovation Foundation (KSRIFF) during the academic year 2022-23 to promote research, innovation and entrepreneurship culture in the institution.
- KSRIFF has been conducting training and workshops on research proposal and FDP proposal writing for faculty. They also assist the faculty for industrial collaboration and finding resource persons for various research and faculty development programs
- Idea Club received about 10 student's project proposal. These were evaluated by the experts and the feedback was given to students. Some of the students projects were also identified and fine tuned to make it marketable on large platform. KSRIFF is making an effort to procure external funds from the industry
- To encourage meritocracy, KSSEM has initiated a cash award for the student toppers in university exams. During the year 2023, a cash prize of Rs 2.6 lakhs was given to 28 student toppers.
- Students were included in various college committees

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
(i) Setting up of Research and Innovation Foundation	IQAC proposed to setup Kammavari Sangha Research and Innovation Foundation (KSRIIF) to promote research, innovation and entrepreneurship culture in the institution
(ii) Idea club activities to promote entrepreneurship culture	During the academic year, about 10 project proposal were submitted by the students. These were evaluated by the experts and the feedback was given to students on funding, marketing etc,
(iii) Scholarship for economically weaker students	<p>IQAC proposes scholarship for economically weaker students. This financial assistance may be in the form of fee concession or cash. The objective of this proposal is to ensure access to quality education to deserving students from the economically weaker section of the society.</p> <p>This will ensure deserving students to have opportunities and resources to participate in key learning activities. Special efforts have to be made to in empowering students from the marginalized sections</p>
(iv) Students participation in various college committees	Student's participation is required for effective implementation of quality policy, The cell proposes to include students in various college committees. This will strengthen the student- teacher relationship further and help teachers benefit from the student feedback and evaluation on teaching methodology and classroom learning process. It will also helps the institution

	<p>in getting the students' insight on key institutional academic and administrative aspects. In the process, deficiencies in the academic, physical infrastructure and in student services may be identified from the perspective of the students can be gained for the purpose of quality enhancement and development. Student's participation is also required in sports and cultural committees. This will hone their leadership skills as well as team participation.</p>
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13. Whether the AQAR was placed before statutory body? Yes

- Name of the statutory body

Name	Date of meeting(s)
IQAC committee	20/09/2023

14. Whether institutional data submitted to AISHE

Part A

Data of the Institution

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will also helps the institution in getting the students' insight on key institutional academic and administrative aspects. In the process, deficiencies in the academic, physical infrastructure and in student services may be identified from the perspective of the students can be gained for the purpose of quality enhancement and development. Student's participation is also required in sports and cultural committees. This will hone their leadership skills as well as team participation.

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Name	Date of meeting(s)
IQAC committee	20/09/2023

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2021-22	09/01/2023

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 provide vast opportunity for collaboration and interaction between the various departments in a variety of activities. 1. Various clubs are formed across the departments that involve in multiple activities. The Idea Club, comprising of faculty and students from all departments, which encourages sharing of innovative

ideas for projects and entrepreneurial enterprises, and promotes technical collaboration between departments. 2. The institution actively encourages students from various departments to collaborate on interdisciplinary projects. This includes projects such as Autonomous Drones, Automobile Design, etc, where the students, guided by faculty from various branches, have successfully completed projects and participated in national level competitions. 3. Students and Faculty members are encouraged to work on interdisciplinary projects. They apply for funding, thus ensuring the sharing of knowledge, facilities and resources among departments, enabling a more diverse set of technologies to be developed in house. 4. The annual sports and cultural activities provide a forum for students and faculty members to work in interdisciplinary committees, to organize and participate in various events, enabling strong inter-department co-ordination, teamwork and building a healthy environment. 5. In the past, the institution has conducted multidisciplinary conferences, ensuring that participants from various departments to join and share knowledge regarding their research work and expertise in various domains.

16. Academic bank of credits (ABC):

K S School of Engineering and Management is affiliated to the Visvesvaraya Technological University, Belagavi, and the regulations regarding the credit system are provided by the affiliating University, and are followed by the institution. The University is registered as a State University in Karnataka. As per the University Regulations, the University offers courses under the CBCS (Choice Based Credit System), whereupon the students admitted to the 1st year BE/BTech have to complete a minimum of 175 credits, while the lateral entry students have to complete 135 Credits to qualify for graduation. For M.Tech, the students have to complete a minimum of 88 credits, while the MBA students have to complete at least 100 credits to qualify for graduation. The University also has an Honours program and Minors program for the undergraduate BE/BTech, whereupon the students have to earn at least 18 more credits through MOOCs or platforms such as NPTEL or Swayam. Since the University is registered under the Academic Board of Credits, such credits earned by the students can be transferred to other University, as long as equivalence is established. During the academic year 2022-23 the Database of the 2021 scheme and the 2022 scheme admitted student ABC ID was created and submitted to the university.

17. Skill development:

Engineers must have a knowledge of nature that goes beyond theory to become successful apart from the knowledge that is traditionally gained through theory and practical concepts as per the curriculum. To up skill the engineering professionals in current technologies colleges and Universities must offer and organize skill development programs. Such skill development programs provide opportunities for students to enhance their knowledge, keep them updated with the current technologies and help students grab job offers in well-known MNCs with lucrative packages. To prosper in the modern landscape and prepare the students for the industry Skill development plays a vibrant role in equipping students with the necessary tools to face the challenges and opportunities that await. A good knowledge on any subject alone does not become sufficient for the student to apply and solve real-time problems. Employers are keen for engineers, who prove that they can call upon the relevant skills as and when required. Due to technological advancements, automation, and globalization the job market is undergoing a significant transformation. Machines are replacing traditional jobs, while new occupations are emerging. In this ever-changing landscape, individuals with a diverse range of skills are more likely to survive and succeed in the competitive world. Skill labs enable faculties to acquire skill sets needed in engineering discipline and enhances Industry Institute Interaction. Skill labs facilitate in knowledge up gradation and enhance their skills in teaching. Students can enhance their critical thinking, problem solving, creativity and adaptability by integrating skill development into education all of which are vital for thriving in the modern workforce. Apart from students, faculties are also benefited from skill labs. Skill development goes beyond academic achievements; it significantly contributes to personal and professional growth. K S School of Engineering and Management offers such skill labs pertaining to various disciplines in engineering. Each department has its own skill lab set up where students are offered with skill sets that are beyond the curriculum. Placement and training department offers Placement and Training, Soft Skill Lab for all branch students that provide hands on experience in Analytics. Computer Science and Engineering Department Skill lab is equipped with Internet of Things (IoT) components where students can implement IoT related projects. Civil department has Advanced Structures Lab where students will be trained to operate on nondestructive technology equipments like Round Hammer. Electronics and Communication department provides skill sets in Embedded programming, python programming, VLSI and Networking whereas Mechanical Engineering

offers programming skills for Machining and Manufacturing Tools and Process Technology Lab.

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

By following the guidelines specified below online courses can play a significant role in integrating Indian knowledge systems, promoting linguistic and cultural diversity, and fostering a deeper understanding of India's rich heritage. Integrating the Indian Knowledge system through teaching in Indian languages and cultures using online courses can be valuable approach to promote inclusivity and preserve indigenous knowledge. Few considerations for an appropriate integration: Language Medium: Designing online courses and delivered in Indian languages, such as Kannada, Hindi, Tamil, Bengali, etc. allows learners to engage with the material in their native language, enhancing understanding and accessibility. It also helps in preserving and promoting regional languages. Teacher Training: The staff has to be Provided with training and resources to effectively teach online courses in Indian languages and incorporate the Indian knowledge system. This includes not only subject matter expertise but also pedagogical strategies for online teaching, intercultural communication, and creating an inclusive learning environment. Cultural Context: Incorporating the cultural elements and context into the course content can include examples, case studies, and references that reflect the diversity of Indian cultures, traditions, and histories. It helps learners connect with the subject matter more deeply and fosters a sense of cultural pride. Curriculum Development: Develop a curriculum that incorporates Indian knowledge systems, including traditional practices, indigenous sciences, philosophical frameworks, and artistic expressions. This can be done by collaborating with experts from various fields who have a deep understanding of these systems. Ensure the curriculum is comprehensive, accurate, and inclusive. Technology Infrastructure: Ensure that the online platforms and tools used for delivering these courses are accessible, user-friendly, and supportive of Indian languages. It's important to invest in infrastructure that enables seamless communication, interaction, and assessment in multiple Indian languages. Community Engagement: Encourage active participation from learners and create opportunities for them to engage with their communities. This can be achieved through discussion forums, virtual events, projects, and collaborations that connect learners to experts and practitioners from various Indian knowledge systems. Assessment Methods: Develop assessment methods

that are aligned with the course objectives and accommodate diverse learning styles. Consider incorporating project-based assessments, portfolio evaluations, and oral examinations to assess the practical application of knowledge and skills.

Research and Innovation: Encourage research and innovation in Indian knowledge systems by providing opportunities for learners and educators to contribute to the field. 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 the course content and ensure its authenticity. Partnerships with regional universities and indigenous communities can help validate and refine the integration of Indian knowledge systems.

Continuous Feedback and Improvement: Seek feedback from learners, educators, and stakeholders to continually improve the online courses. Regularly evaluate the effectiveness of the integration of Indian knowledge systems and make necessary adjustments based on feedback and emerging research.

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

The institute complies with the well-structures procedure of the Teaching-Learning process that is followed by all the Departments with students' development in focus. The process involves the following:

Planning: The University prescribes the syllabus (course content) for all the Programmes in the Institution. For every subject, the CO's are prepared by the Course owners (Subject teachers) and verified by the IQAC coordinator and the Head of the Department. The CO's are written down bearing in mind the different levels of Bloom's Taxonomy. The CO's focus on the objectives and outcomes. The lesson plan is prepared well in advance before the commencement of the classes based on the calendar of events of the institution and Department.

Delivery and Assessment: The planned contents are delivered in the respective classes as per the scheduled timetable. The course owner will go in phase with the lesson plan prepared. The method and schedule for the assessment, as defined by the University regulation is followed in letter and spirit. The Internal Assessment question paper also follows Bloom's Taxonomy and uses Action Verbs.

Evaluation and Attainment: The course owner evaluates the assessments and the same is documented. Based on the marks obtained, the attainment of the CO's and PO's are calculated. The calculation includes both direct and indirect attainment. Appropriate action is taken to improve the weak students to ensure that there is continuous improvement in the

attainment levels. The attainment is calculated from different tables starting from the CO-PO-PSO matrix, The correlation of the CO, PO and the PSO is presented in a scale of 0 to 3 where 3 represents High, 2 indicates Medium and 1 is used for Low. Performance Assessment will be made through Continuous Internal Assessment (CIA) and Semester End Examination (SEE). Innovative Teaching Methodologies - The faculty members are encouraged to implement teaching methodologies and delivery mechanisms beyond blackboard teaching. These include the use of slideshows, videos, quizzes, charts, seminars, site visits, industrial visits, etc. Experiential Learning: The institution offers an extensive scope for practical knowledge acquisition through industrial visits to appreciate the application side of the technologies discussed in the class rooms. The students are encouraged to work on small and mini projects in the laboratories. Several concepts taught in the curriculum are demonstrated through laboratory experiments. The students are also encouraged to undergo internships during their vacations to keep abreast of the developments in the industrial arena. Participative Learning: Student centric activities like group discussions, extensive referencing, doing a Google search, sourcing secondary data, reading through available literature and understanding the nuances of published literature are induced into a day to day activity of the students by designing the assignments which encourage them to participate in these activities. The students are also encouraged to participate in guest lectures, professional body activities and competitions Problem-solving Methodologies: The students are encouraged to solve a problem in a real-time domain. Students will take part in intercollegiate activities such as project exhibitions, tech skill forums, where they involve themselves with innovative ideas to develop models. Students also actively involve in Hackathons, model making events, where the student skills are displayed and recognized.

20.Distance education/online education:

Post Pandemic the online education has taken a deep dive in the field of education. Previously the scope of the online education was not recognized but nowadays the trend has changed that has led to a high rise in the number of people moving towards online courses and certifications. Distance/Online learning provides platform for sharing of ideas and techniques and pooling of knowledge resources. Colleges and Universities must diversify their offerings and cater to the upskilling professionals as traditional degrees are no longer the only unit of learning. Most colleges and universities across the globe are now offering a

variety of credentials, to help provide hyper-focused training that aligns with the specific skills and competencies employers seek today. Such shorter non-credit courses and certificate programs offer more opportunities to build skills and advance their knowledge in shorter, cheaper time blocks. Certificate programs also provide Universities with a way to maintain alumni engagement as active participants in their learning community and to support other types of lifelong learners. FDP enable faculty members to update their research and pedagogical skills. It facilitates upgradation of knowledge, enhance teaching skills and intends to provide opportunities for induction training to teachers employed in disciplines Engineering & Technology. KSSEM is supporting the faculty and students with required infrastructure to upskill through ebooks, ejournals etc.,,to enhance their knowledge. Also All the e-Resources are IP enabled, remote access is provided through Map My Access. KSSEM also supports and motivates faculty to attend various workshops and FDPs (online and offline). Also faculties and students are encouraged to do the online certifications that help them is completing at their own pace.

Extended Profile

1.Programme

1.1

282

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

File Description	Documents
Data Template	View File

2.Student

2.1

1436

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2

43

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

File Description	Documents
Data Template	View File
2.3	371
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	86
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.2	93
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	44
Total number of Classrooms and Seminar halls	
4.2	264.86
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	811
Total number of computers on campus for academic purposes	
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 is affiliated to the Visvesvaraya Technological University, and follows the schedule and regulations provided. The curriculum delivery process is as follows:

1. University provides Academic Calendar, on which Institutional Calendar is modeled.
2. Department Calendar of Events, including planned department-level activities is framed, based on this.
3. Subject Allotment is done before Semester commences.
4. Time Table is then drafted for the department faculty.
5. Based on CoE and Time Table, faculty members prepare Lesson Plan individually.
6. Innovative Teaching Methodologies are planned to enhance curriculum delivery.
7. During the semester, performance of students is continuously monitored in accordance with University Regulations:
 - Continuous Internal Evaluation (CIE) -Three internal assessment tests + assignments.
 - Semester End Examination (SEE) - University-level Examination after semester

CIE and SEE scores are combined for the GPA.

1. Faculty follow Bloom's Taxonomy during the entire curriculum planning and delivery process.
2. Student Mentoring is done regularly to ensure that the students' concerns and progress are identified.
3. The Feedback from the students is in the form of:
 - Individual Student Feedback.
 - Class Committee Meetings.
1. Departments conduct regular Faculty Meetings to ensure all processes are on track as planned.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://kssem.edu.in/images/naac_data_c1-1-1_1707472211896.pdf

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

- University provides the Academic Calendar to be followed by all affiliated institutions.
- Academic Committee comes out with the Institutional Calendar, ensuring adherence to the provided University Academic Calendar. This includes Internal Assessment Schedules.
- Department Calendar of Events is then drafted in each department, which includes the schedule of department-level activities planned for the semester.
- Regular meetings are held in departments to ensure adherence to the given schedule, and timely completion of lesson delivery.
- In accordance with the University regulations, Institution conducts three distinct Internal Assessment (IA) Tests as part of the Continuous Internal Evaluation (CIE) process, held during the 5th, 9th and 13th weeks after the commencement of the semester.
- Internal evaluation for Laboratory and Workshop courses are conducted as per university regulations. The student evaluation in practical courses is based on:
 - Marks allocated for Observation/Record Books
 - Marks obtained in Internal Assessment Test

3 CIE tests for the Theory courses as well as One IA test for the Practical Examination are as scheduled in the Academic Calendar. In cases where CIE schedules have to be altered, the Academic Committee decides on the new schedule and informs the same to the stakeholders.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://kssem.edu.in/images/naac_data_c1-1-2-2_1707472227946.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating

B. Any 3 of the above

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

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

8

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

106

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 adheres to the Curriculum mandated by Affiliating University, which includes courses that integrate cross-cutting issues relevant to Professional Ethics, Human Values, Environment and Sustainability.
- Students across all disciplines of Engineering and Management, are required to complete courses like Constitution of India, Professional Ethics and Human Rights, Environmental Studies, Technological Innovation, Management and Entrepreneurship, Universal Human Values, Social Connect and Responsibility, as part of their curriculum. These courses are included in addition to the core courses in each discipline, and help the students get a well-rounded education, and are exposed to vital cross-cutting issues in society.
- The curriculum for individual programmes include programme-specific courses like Sustainability Engineering, Renewable Energy, Alternative Energy Sources, Waste Management, Cyber Law and Security, Human Resource Management, etc.
- To expose students to other socially-relevant issues, and encourage student participation in socially and environmentally responsible activities, the Institution

adopts initiatives like:

- Organizing expert talk and awareness workshops on relevant topics like Women's Empowerment, Anti-Harassment Initiatives, Gender Sensitivity, etc.
- Social Service Activities through National Service Scheme (NSS).
- Encouraging volunteering with NGOs and non-profit organizations, for earning credits towards graduation.
- Conduction of Celebrations like International Women's Day and Environment Day.

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

73

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

496

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

D. Any 1 of the above

File Description	Documents
URL for stakeholder feedback report	https://kssem.edu.in/images/naac_data_c1-4-1_1708074621623.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

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://kssem.edu.in/images/naac_data_c1-4-2_1708074635588.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

452

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

43

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

Institute organizes a Induction program for newly admitted students. During this program Principal and Heads of the Department in complete will address all the students regarding.

1. The vision and mission of the college and Department
2. Faculties in the Department
3. Courses offered in different streams by the university
4. Procedures and Regulations
5. Professional and Co-curricular activities in the campus

Students are also introduced to Academic calendar (college), courses, passing criteria, grading procedure and guidelines of both internal and external examinations.

The slow learners and advanced learners are identified based on certain measures. The slow learners are identified as those students who score less than 50% in their first internals and the others are considered as advanced learners.

The list of slow learners are prepared after the discussion with the subject teachers and consolidated by the respective class teacher along with the Head of the Department. In the remedial

classes inputs are given to the students to answer efficiently. Slow learners are given individual attention and counselled on regular intervals.

The advanced learners are encouraged to participate in various department activities, inter intra college events, take up the competitive exams, solving challenging questions, doing mini-projects.

File Description	Documents
Paste link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA2_1708770467624.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
1436	86

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 encourages the student centric approach. This includes Experiential learning, Participative learning and Problem solving methodologies.

- Experiential learning

Analytical and creative interactions are improved by implementing experiential learning. In order to develop the interest in students to the various technologies, the institution employs different approaches. Few theoretical concepts in the curriculum are handled with the Lab demonstrations. Students are given mini-projects and are guided by the supervisor. The students are motivated to do industry internships to gain more insight to corporate culture.

- Interactive learning

The Institution encourages the faculty members to use different teaching pedagogy that can help the students to learn and gain additional knowledge to improve their skill sets. The subject teacher incorporates different learning procedures in the form of group discussion, seminar, subject related quiz etc. for the students in the class room. Various club activities are organized across the departments.

- Problem-solving methodologies

Students are encouraged to participate in inter and intra college activities such as project exhibitions, Tech skill forums, Model making etc. They are motivated to identify problems and take up projects to provide solutions to the real-time problems. Students are encouraged to participate in Hackathon, Ideathon and other National level events like seminar and conferences

File Description	Documents
Upload any additional information	View File
Link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA2_1708770777535.pdf

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

Integration of Information, Communication, and Technology (ICT) in education that can be used in classroom instructional process. The LCD projectors in classrooms, internet enabled computer labs and WIFI campus facilitates teachers and students for effective Teaching and learning. The Institute has an education management software Microsoft Teams where in every student is given a Teams Id as soon as they join the institute.

The study contents such as , power point presentation are also made available to the students. Study materials are made available to the students during the progress of the semester. Assignment questions, question bank are also provided to the students.

The College Library equipped with e-journals, e-books, research journals that can be accessed through server in the campus as well as remote locations. The faculty uses the power point presentation

that includes hyperlinks of various simulation videos to deliver an effective lecture. The faculty also use Audio Visual aids to demonstrate the concepts to the students like NPTEL and other online resources.

The PPT`s are also shared with the students which helps them in preparing the subject. Invited talks, webinars, departmental events are conducted in the seminar hall.

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

75

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

86

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

19

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

417

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 to Visvesvaraya Technological University (VTU) and conducts Continuous Internal Assessment as prescribed by University Regulation No: 17OB 8.0.
2. Currently different CBCS schemes and 2020 NEP scheme (for first year) is being followed.
3. The institution prepares an Academic Calendar in line with the University calendar in which Internal Assessment dates are mentioned and same will be handed over to students and uploaded in the institution website.
4. Faculty are informed to prepare two sets of question papers using Bloom's Taxonomy and is scrutinized by the Head of the Department, IQAC and Principal.
5. Seating arrangement for the students, invigilation duty allocation for staff, distribution of question paper and bluebooks is done by the respective Department Test coordinators.
6. The answer scripts are evaluated within the stipulated time. Students are advised to check their marks.
7. Scheme of evaluation is discussed with the students after every IA.
8. Three internal assessment tests are mandated by the university. All the students need to attend all the three tests. The averages of the three tests are recorded.
9. In the laboratory, one internal assessment test is conducted covering all the experiments at the end of the semester.
10. The students are informed about the internal marks scored.

File Description	Documents
Any additional information	View File
Link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA2_1708574212624.pdf

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

Theory and Lab : Internal Assessment

1. The Academic Calendar shows the CIE i.e. three Internal Assessment tests. The scheduled dates of the Internal Assessment tests are indicated in the academic calendar.
2. The scheduled timetable for each internal IA1, IA2 and IA3 will be displayed on the department notice board one week prior to the commencement of Internals tests by the internal test coordinators. The seating arrangement is displayed in

the notice board on the day of exam. The Duty allotment of the faculties is assigned by the internal test coordinators and is brought to the notice of all the faculties.

3. After evaluation the Students are informed to check and verify the marks allotted. If any anomalies are raised by students the faculty in charge checks and makes the
4. necessary corrections.
5. The grievances are discussed in the Class Committee meeting after each assessment. Necessary corrective measures are taken and the issues are resolved.
6. In Lab After completion of each experiment Students must submit the lab records and observations regularly. The marks are indicated in the observation/record book.
7. The final IA marks are informed to the students. Any grievances regarding the marks are addressed before uploading.

File Description	Documents
Any additional information	View File
Link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA2_1708574325373.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 to Visveswaraya Technological University (VTU), which prescribes the curriculum. The institution has a broad vision and mission, which is practiced by all the departments. The Programme Objectives (POs), Programme Specific Outcomes (PSOs) and Course outcomes (COs) are well stated by the departments and displayed on the institution website, notice boards, classrooms and Laboratories.

The Program Specific Outcomes are in line with the vision and mission of the departments and the institution. The Course Outcomes are framed by the respective course in-charge by using Bloom's taxonomy verbs and levels as prescribed by the University. The CO-PO mapping, Lesson plan are prepared at the beginning of the semester for every course. The CO's framed are also discussed with the students. The stakeholders are involved in refining the PSO's.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://kssem.edu.in/images/naac_2022_CRITERIA2_1710146558162.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 in the institute abides by a well defined procedure and is followed across all the departments.

The process involves

Planning

1. The syllabus for all Programmes is defined by the University.
2. The Course Outcomes and lesson plan are prepared by the Course In-charge
3. During the preparation of the CO's care is taken by the Course In-charge to focus on the objectives and outcomes.

Delivery and Assessment

1. All Departments follow a structured time table for delivery of the contents of a course.
2. The faculty plans the content delivery to be in phase with the lesson plan.
3. The University defines the norms for Internal assessment.
4. The Bloom's Taxonomy is adopted in the Assignments And Internal assessment

Evaluation and Attainment

1. The Assignments and the internal assessments are evaluated by the respective course in-charge.
2. The Internal assessment marks are recorded periodically. After the final exam results are announced by the university, the attainment of the CO's and PO's are calculated.
3. The attainment is calculated from different tables starting

from the CO-PO-PSO matrix, Internal marks and External marks documents.

4. The correlation of the CO, PO and the PSO is tabulated on a scale (1-High ;2-Medium; 3-Low)

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://kssem.edu.in/images/naac_2022_CRITERIA2_1714442050178.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

357

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://kssem.edu.in/images/naac_2022_CRITERIA2_1708574909382.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_2022_CRITERIA2_1708770927562.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)

1.5

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****13**

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****1**

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.serbonline.in/SERB/HomePage

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 14 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 2022-2023, nearly 5 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 research 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 (20701 books + 16457 e-books), more than 6593 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_2022_CRITERIA3_1707458856795.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

7

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://kssem.edu.in/images/naac_2022_CRITERIA3_1707125655098.docx
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

14

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

11

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: School Beautification, Classroom Activity, Garbage Disposal System, conducted games, Helping Schools to Achieve Good Results; Achieve good Infrastructure; World Environmental day -Plantation of Tree; Swacch Bharath Abhiyan; Community Service: Blood Donation camp: National sava day: International yoga day; Field Visit to Art of Living; Har Ghar Dhyan campaign.

File Description	Documents
Paste link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA3_1706511871994.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

13

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

1203

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	
124	
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	
13	
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 four 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.

Ten 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 811 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_2022_CRITERIA4_1707389340848.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, solo-dance, 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_2022_CRITERIA4_1707390893549.xlsx

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

44

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA4_1707389692709.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)

121.09

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 is the academic and intellectual centre with rich collection of information resources stored in an organized way. It is a resource centre for its user community that supports its users in education and research. It has collection of text books, reference books, newspapers, CD-ROMs and E-Resources. Institutional repository provides access to previous year question papers, project reports, faculty publications and newspaper clippings.

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-Journals, E-Books, E-Conference Proceedings, E-Case Studies and others. IP enabled access enables users to access it from anywhere in the campus.

MapMy Access: is a remote access platform. It provides off-campus access to E-Resources. All the subscribed resources can be accessed at <https://kssemb.mapmyaccess.com/>.

Library provides access to NetAnalytiks' Lanquill Grammar Checking Tool and Turnitin Similarity Checking Tool.

IRINS: is a web-based Research Information Management Service. It enables faculties to showcase their scholarly activities. KSSEM is an instance of IRINS.

Link -<https://kssem.irins.org/>.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://kssem.edu.in/images/naac_2022_CRITERIA4_1700724503163.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)

5.23

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

189.45

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_2022_CRITERIA4_1700724736124.pdf

4.3.2 - Number of Computers

811

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)**

264.86

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#2022

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

585

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 benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

26

File Description	Documents
Upload any additional information	View File
Number of students benefitted 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://www.kssem.edu.in/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

1683

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

1683

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

123

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

7

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

11

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.

2

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 institute actively promotes students' involvement in diverse administrative, co-curricular, and extracurricular activities through their appointed representatives. This approach aims to cultivate a sense of engagement, responsibility, and inclusivity among students, fostering a collaborative environment where their perspectives contribute to decision-making processes. Through participation in various activities, students not only develop essential skills such as leadership and communication but also contribute to the enrichment of campus culture, creating a vibrant and supportive learning community.

At the institute level the following committees are functional:

1.Anti Ragging Committee

2.Anti Sexual Harassment Committee

3.Grievance Redressal Committee

Each committee are tasked with the responsibility of consistently monitoring and reporting any unfavorable incidents to the appropriate authorities. This systematic approach aims to address and communicate potential issues promptly, contributing to the

overall safety and well-being of the institution. The institution hosts a activities to nurture and boost students' passion for art, literature, and culture, a vibrant platform has been established for them to display their talents. Events are coordinated by student volunteers and faculty advisors. Students are encouraged to participate in social work activities through NSS and Rotaract clubs, both of which have substantial representation among the student community.

File Description	Documents
Paste link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA5_1708666969802.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

22

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

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.

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

The Institute provides a friendly learning environment, with good ambience, state-of-the-art infrastructure and extensive facilities, to facilitate knowledge dissemination through ICT (NPTEL videos, Projectors with internet facility in the classrooms, Case studies, Surveys, Field trips and Visits). The Institute has a pool of highly-qualified Faculty and Staff. The Institute encourages the Faculty and Students to participate in Faculty Development Programs, competitions and workshops. Conferences, seminars and guest lectures from eminent personalities from both Academia and Industry are organized by the Institution. The Institution commits to produce quality students and student leaders who are technically sound, committed and are fit to be absorbed by the industries.

File Description	Documents
Paste link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA6_1706774851803.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 The Organization believes in operational independence to all functionaries to work towards decentralized administration: Governing Council meets regularly, to discuss the progress made in the current period as against that of planned activities. Management gives a detailed procedure for implementing the envisaged programs along with Principal to implement them. Academic Advisory Board reports to the board about the progress made and plays a predominant role in implementing key decisions taken by the board members. Principal/Director forms the functional authority who directs the Heads of the various Departments about the action plan. HOD plans various departmental activities by framing calendar of events, allocating suitable personnel/s to respective tasks. Periodic assessments of work accomplished to meet the stipulated requirements are done. Faculty members allotted to a definite task, implement and report back to HOD's and Committee heads.

Participative Management:

Strategic Level KSSEM involves all the stakeholders in various academic activities like drafting and planning of activities for an academic year and approves the budget concerning that activity. Functional Level Faculty and Students form a team with an outline of executable roles and responsibilities. Faculty involve themselves in delivering both academic and non-academic responsibilities.

File Description	Documents
Paste link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA6_1706775036400.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 Institution was set up with a keen intention of cultivating and supporting a strong research culture and motivating younger minds towards Innovation and Research. The Institution is successful in getting few grants from various nationalised research funding agencies such as KSCST, VGST, NRB, VTU etc. Benchmarks set for creating a strong Research culture are, 1. Setting up a Research Center and writing project proposals for funding from government and non-government bodies. 2. Encouraging students to write KSCST proposals. 3. Conducting National and International conferences to disseminate knowledge. 4. Securing University ranks and awards in UG and PG programs. 5. Improving NAAC accreditation grade from B++ grade to A. 6. Getting NBA accreditation. There are currently six Research Centers in Mechanical, Electronics & Communication, Civil, Computer Science Engineering, Mathematics and Chemistry. Twenty scholars have registered in various ResearchCenters.

Research papers are published periodically by faculty and students in reputed journals. KSSEM is active in consultancy work where material testing is carried out at Civil and Mechanical Engineering departments. Patents are filed and awarded in Civil Engineering and Computer Science departments. The Institution also supports the Faculty/Research Scholars by facilitating them with financial support and providing necessary leaves to attend.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://kssem.edu.in/images/naac_2021_CRITERIA6_1676454651167.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 Principal and the Management act in accordance with the directives set by the Governing Council.
- The President, Secretary and the Treasurer monitor all the activities of the institution and make necessary decisions to be inline with the directives of the Governing Council.
- The AAB extends necessary suggestions to the management in bringing any modification in the system
- The Principal/Director forms the bridging link between the management and the staff. HOD's are accountable for framing different Departmental activities
- Selection of Quality faculty members is made through a predefined structure. Shortlisted candidates are asked to appear before a selection panel for an interview. The panel comprises the Principal, HOD's from different departments and a subject expert. The panel selects a suitable candidate on the basis of merit and will be called for a meeting with the management. Here the final selection of the candidate is done. Based on the involvement of staff in institutional activities and their performance, staff members are motivated and are promoted periodically.
- Any staff on the completion of her/his Doctoral degree will give a presentation before the AAB. The AAB will then make a decision on promoting him/her to the next level.

File Description	Documents
Paste link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA6_1707901984368.pdf
Link to Organogram of the institution webpage	https://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,

- Leave facilities for visiting industrial centers or Attending
- FDP/Workshop /Seminar
- EPF as per PF Act.
- ESI facility to eligible employees.
- Financial support to attend Workshops, FDPs and Conferences.
- The institute every year felicitates the staff members who have given 100% result in their subjects.
- The institute felicitates the teaching and non-teaching staffs who have served the organization for 10 years.
- Staffs are given a percentage of funds received as incentives for special achievements like getting project proposals sanctioned from funding agencies.
- The institute encourages its staff to participate in extracurricular activities such as NSS camp, sports etc.
- Creates a sense of belonging amongst faculty members by involving them in various committees.
- Marriage Leave.
- To bring awareness amongst the teaching fraternity and the supporting staff frequent faculty development programs, conferences and workshops are being conducted.
- Gratuity is given to employee for the services rendered.
- Maternity leave

File Description	Documents
Paste link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA6_1706776496006.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

37

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

5

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
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

58

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
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: Each faculty member has to submit self-appraisal in the format prescribed to the HOD every year. HOD comments on the strengths and weaknesses of each faculty. It is then submitted to Principal. At the end of every academic year, the Principal and AAB evaluate each faculty member. The criteria for evaluation include the subject results, commitment, readiness to take responsibilities, research contribution in terms of proposal sent, papers published etc. of each faculty and student feedback. The outcome is then analysed by the Management based on the progress and achievements of each faculty. Management then decides the annual increments to be given to each faculty member.

Non-Teaching Staff: Non-teaching staff prepare their appraisal, which include the responsibilities carried out, their support to faculty in smooth functioning of laboratories, FDP/workshop attended and any other special achievements. After being reviewed by the HOD, it is then discussed with the Principal and Management.

File Description	Documents
Paste link for additional information	https://www.kssem.edu.in/images/naac_2022_CRITERIA6_1707723373450.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 done periodically to provide the Management an overview of the organisation's effectiveness. At KSSEM the internal auditing is done every month and the same is also verified. The TDS audits are done every quarter yearly and are recorded after the verification by the internal auditor. The internal audit team concentrates mainly on the profit and loss accounts of the institution, cash flow statements, balance sheets, other miscellaneous accounts, Income and Expenditures statements. Income and Expenditures statements are documented in terms of Financial Receipts and Vouchers/Bills respectively. All the documents are recorded for future reference.

External Audit: The accounts of the institution are audited annually by an experienced auditor. He is responsible for

certifying all the financial transactions of the institution. External auditor scrutinizes the organization's financial statements and indicates the financial position of the institution and also examines the institution's internal system thoroughly for any changes to be brought about in case of any variations. Periodically these documents are audited by Internal Audit members and all the documents are submitted to chartered accountants after verification.

As a final process, all the audit findings and observations are documented in the form of an audit report.

File Description	Documents
Paste link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA6_1706777537966.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)

nil

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 strategies framed are as below. Through conducting conferences/seminars by collaborating with VTU and certain other government bodies such as DST, NAL, DRDO, NRB, etc

- Through sponsorships received for conducting various events in the institution

- Through consultancy
- Seeking funds from AICTE under MODROBS for upgrading the infrastructure and obsolete equipment
- By facilitating the required infrastructure for conducting competitive examinations
- Rising funds and donations from the Alumni

Optimal utilization of resources

KSSEM has a well-defined policy for the mobilization of funds in the institution. The mobilization of funds is well monitored by the management of Kammavari Sangham. All financial transactions of the institution are routed through the financial officer, recommended by the Principal and approved by the Secretary. The Treasurer of the Kammavari Sangham takes care of all the financial needs of the institution. The demands by individual departments for release of any funds, is first placed before the HOD. The HOD in turn forwards the same to the Principal for recommendation, after which the Principal places the same before the Secretary for approval and then the financial officer sanctions the amount after the approval.

File Description	Documents
Paste link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA6_1706777560955.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

Response:

IQAC ensures clarity for institutional functioning to achieve and enhance quality culture through following two best practices to enhance the quality:

Strategy 1: Setting up of Research and Innovation Foundation

- KSSEM has setup Kammavari Sangha Research and Innovation Foundation (KSRIFF) during the academic year 2022-23 to promote research, innovation and entrepreneurship culture among faculty and student community.

- KSRIIF has been conducting training and workshops on research proposal and FDP proposal writing for faculty. They also assist the faculty for industrial collaboration and finding resource persons for various research and faculty development programs.
- Some of the students projects were also identified and fine tuned to make it marketable on large platform.

Strategy 2: Cash prize for student toppers

To encourage meritocracy, KSSEM has initiated a cash award for the student toppers in university exams. During the year 2023, a cash prize of Rs 2.6 lakhs was given to 28 student toppers.

File Description	Documents
Paste link for additional information	https://kssem.edu.in/images/naac_2022_CRITERIA6_1707367142699.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

Response: 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_2022_CRITERIA6_1707385050229.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://www.kssem.edu.in/images/naac_2022_CRITERIA6_1707375515126.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

Security

- There are various committee such as Grievances committee, Anti-Ragging and Disiplinary committee, Anti-sexual harassment committee consisting of male and female staffs as committee members. The members meet on regular basis and discuss the problems and issues along with hostel warden.
- Well trained security guards stationed across the campus and security check post at entrance and exit.
- Separate dedicated hostels for men and women with wardens.
- Close circuit camera network with 24x7 monitoring.
- Hourly transport for the students to the nearest public transport facility
- Ambulance facility in case of emergency.

Counseling

- Necessary help and guidance is provided, so that students can analyze and find solutions to their problems themselves through well defined mentor systems.
- A separate counseling rooms for students.
- KSSEM and HCTS have signed an MOU wherein students are recognized, counselled and necessary training is provided so that students are placed.

Common rooms

- Separate common rooms are provided for both girls and boys with attender.
- It has facilities like drinking water, first aid kits and beds.
- Grievance committee address the issues related to common rooms.

File Description	Documents
Annual gender sensitization action plan	https://kssem.edu.in/images/naac_2022_CRITERIA7_1710929146642.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_2022_CRITERIA7_1708596341033.pdf

7.1.2 - The Institution has facilities for 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

C. Any 2 of the above

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

- The solid waste mainly generated in the campus includes paper, covering materials used for packaged food, plastics, glass, metals etc.
- Separate bins are provided at each floor for collection of solid waste.
- The dedicated teams of housekeeping staffs collect this waste at regular interval and dump at the common dumping area in the campus.

- The authorized vendors collect the waste from the designated area and dispose them as per government norms.

Liquid waste management

- Liquid wastes generated from the campus are from the restrooms, laboratory and canteen. The sewage treatment plant (STP) in KSSEM treats these wastes to usable form.
- The converted waste water to usable form from the STP is used for gardening and maintenance of the lawns.

Waste Recycling system

- The filtered water from the Sewage treatment plant is reused for watering the garden.
- The bio degradable waste (dry leaves, vegetable waste) generated in the campus is turned to compost and used as manure in the garden
- 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
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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

<p>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</p> <ol style="list-style-type: none"> 1.Restricted entry of automobiles 2.Use of bicycles/ Battery-powered vehicles 3.Pedestrian-friendly pathways 4.Ban on use of plastic 5.Landscaping 	<p>A. Any 4 or All of the above</p>										
<table border="1"> <thead> <tr> <th data-bbox="86 568 539 631">File Description</th> <th data-bbox="539 568 1436 631">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 631 539 734">Geo tagged photos / videos of the facilities</td> <td data-bbox="539 631 1436 734" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 734 539 878">Various policy documents / decisions circulated for implementation</td> <td data-bbox="539 734 1436 878" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 878 539 940">Any other relevant documents</td> <td data-bbox="539 878 1436 940" style="text-align: center;">View File</td> </tr> </tbody> </table>	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			
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										
<p>7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution</p>											
<p>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</p>	<p>E. None of the above</p>										
<table border="1"> <thead> <tr> <th data-bbox="86 1321 539 1384">File Description</th> <th data-bbox="539 1321 1436 1384">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 1384 539 1518">Reports on environment and energy audits submitted by the auditing agency</td> <td data-bbox="539 1384 1436 1518" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 1518 539 1621">Certification by the auditing agency</td> <td data-bbox="539 1518 1436 1621" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 1621 539 1724">Certificates of the awards received</td> <td data-bbox="539 1621 1436 1724" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 1724 539 1792">Any other relevant information</td> <td data-bbox="539 1724 1436 1792" style="text-align: center;">View File</td> </tr> </tbody> </table>	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	
File Description	Documents										
Reports on environment and energy audits submitted by the auditing agency	View File										
Certification by the auditing agency	View File										
Certificates of the awards received	View File										
Any other relevant information	View File										
<p>7.1.7 - The Institution has 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</p>	<p>C. Any 2 of the above</p>										

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

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).

To promote cultural and regional harmony in the institution, the institute has NSS, Rotaract club and various department club. Through this the students are motivated towards social responsibilities by participating in Swatch Bharath Abhiyan, project exhibition, sports day, technical and cultural fest. The staff and students celebrate different festivals such as Ganesh Chaturthi, Ayudha Pooja, Kannada Rajyothsava etc. Different Jayanthis like, Ambedkar Jayanthi, Valamiki Jayanthi etc.

To become responsible engineers and citizens, induction programs is conducted for the 1st year students giving awareness about the human values. Universal human values course is also offered to the students as part of their curriculum.

The institution policy is that "no deserving student should be deprived of quality education". In this regard the institute provides merit based scholarship for socio-economically backward students. There is a separate scholarship section which mentors students with respect to various scholarship schemes available from various government and non-governmental organizations. The scholarship section also helps the students in the application process.

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 case studies related to the topics are discussed.

The curriculum basically concentrates on Human values, professional ethics and cyber law as given below. (1) Introduction to Indian Constitution, (2) Union Executive and State Executive, (3) Elections, Amendments and Emergency Provisions, (4) Internet Laws, Cyber Crimes and Cyber Laws, (5) Professional / Engineering Ethics, (6) Constitutional special provisions. The institution also has conducted awareness programs on Fundamental Duties and Rights of Indian citizens and other constitutional obligations.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://kssem.edu.in/images/naac_2022_CRITERIA7_1708598163636.pdf
Any other relevant information	https://kssem.edu.in/images/naac_2022_CRITERIA7_1710147297184.pdf

7.1.10 - The Institution has a prescribed code

B. Any 3 of the above

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

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 has a concern for human values and to promote among students and staff institution organizes national festivals and celebrates birth anniversaries of great Indian personalities.

National festivals Republic day on 26th January and Independence Day on 15th August are celebrated every year. Flag hoisting is done by the Sangam President, followed by speech from the Sangam President and important dignitaries for the event. Cultural event is also organized by the cultural committee of the college to send the message of importance of Republic and Independence Day.

Birth anniversary of Mahatma Gandhi and Dr. B R Ambedkar is celebrated by the NSS wing. Flag hoisting and tribute is paid to Mahatma Gandhi by Principal, staff and students of the college.

International days like Women Day , World environment day, and Yoga Day is also celebrated.

Birth Anniversary of Sir M Visvesvaraya is celebrated on 15th

September as Engineers day as an exceptional tribute to the best Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya. Dr. Sarvapalli Radhakrishnan Birth Anniversary is celebrated every year on 5th September, as Teacher's Day.

Festival such as Ayudha-pooja and Vinayaka chaturthi are organized in the Institution.

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: Due to some unforeseen emergencies, the student is given an opportunity to take the IA which he has unable to attend.

Unselected question paper during regular IA is given. 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: The trust offers merit scholarships to enable students pursue higher education by providing fees concession to the students deserving economically and socially backward students.

The Practice: The identified students are given fee concession at the time of admissions and the same fee is continued for the next three years.

Evidence of Success: The fee concession helps the students to complete the graduation program and all students are successfully placed in reputed organizations.

File Description	Documents
Best practices in the Institutional website	https://kssem.edu.in/images/naac_2022_CRITERIA7_1708769112209.pdf
Any other relevant information	https://kssem.edu.in/images/naac_2022_CRITERIA7_1710934110324.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

The students are given soft skill training from third semester onwards for a week in every semester. Students of the institution are given extensive training in Soft Skills, interpersonal skills and specific skill requirements for the job. The students are also trained on emerging technologies, training on softwares, communication skills, resume writing, preparing for interview etc.

The Placement & Training department is vested with the responsibility of identifying the vendors or training partners to train the students based on the present market requirement. This activity helps students to get placed in organizations' of repute

and some have become second and 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

To set up idea club

- The objective of the club is to motivate the student to come forward to propose the novel idea that is useful to humanity.
- To review the idea by experts and look into possibility of converting the idea to a prototype.

Filing of patent application

To set up project club

- To motivate students to take inter departmental projects
- To motivate students to write project proposals for funding agencies
- To provide guidance to projects and make them working prototypes
- To conduct workshop on open source modeling tools

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 file patent applications
- To setup multi-disciplinary research lab

To set up Entrepreneur Development cell

- Arrange lectures on intellectual property rights.
- Arrange lectures on Idea of startup
- Arrange workshop on writing the business proposals