



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution		SNS College of Engineering
• Name of the Head of the institution	Dr.S.Charles	
• Designation	Principal	
• Does the institution function from its own campus?	Yes	
• Phone No. of the Principal	7550316708	
• Alternate phone No.	7339223443	
• Mobile No. (Principal)	9443914199	
• Registered e-mail ID (Principal)	principalsnsce@gmail.com	
• Address	SNS Kalvi Nagar, Sathy Main Road (Opp. CRI Pumps), Kurumbapalayam (Po), S.S.Kulam (via),	
• City/Town	Coimbatore	
• State/UT	Tamilnadu	
• Pin Code	641107	
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)	07/08/2019	
• Type of Institution	Co-education	
• Location	Rural	

• Financial Status	UGC 2f and 12(B)				
• Name of the IQAC Co-ordinator/Director	Dr. P.Gnanasundari				
• Phone No.	7550316708-122				
• Mobile No:	9443407147				
• IQAC e-mail ID	iqac@snsce.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://www.snscourseware.org/snsaqar/SNSCE-AQAR(2021-22).pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.snscourseware.org/snsaqar/Academic-Calendar-2022-23.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.01	2015	24/12/2015	02/03/2020
Cycle 1	A	3.01	2020	03/03/2020	31/12/2024
6.Date of Establishment of IQAC			15/01/2015		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
INSTITUTION INNOVATION COUNCIL	Mentor - Mentee scheme	IIC	16/11/2023	2,25,000	
EEE-IHUB	SEMINAR	CSIR	04/09/2024	1,00,000	
8.Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the composition of the IQAC by the HEI	View File				

9.No. of IQAC meetings held during the year	4	
<ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	Yes	
<ul style="list-style-type: none"> • If yes, mention the amount 	15,500	
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>1.Encourage the students from all fields to engage in internship programmes to improve industrial interaction. 2.Constant encouragement to promote research aptitude, policies, research ethics among faculty members & students 3.NAAC SSR Preparation and Submission 4.Periodical Academic and Administrative Audits. 5.Orientation for newly joined faculty members on Accreditation and IQAC</p>		
12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:		

Plan of Action	Achievements/Outcomes
Curricular Aspects	R 2023 curriculum and syllabus prepared and presented in the Boards of Studies meeting and recommended to assign course facilitator in order to improve the teaching and learning process. Facilitators lead training sessions, whether in-person or online. They use lectures, group discussions, and hands-on activities to ensure everyone is engaged .
Teaching Learning Process	To Promote quality education through Outcome Based Education (OBE) System. Various teaching pedagogy are using to make the students think critically.
To improve Placements the various training initiatives planned.	Conducted Technical Training, Aptitude Training and soft skills by the experts from leading industries
Research and Innovation Ecosystem	Based on the perspective plan, each faculty member has to publish 2 research articles per year in Scopus/WoS/SCI indexed journal. Totally 32 articles have been published so far and there is an improvement in Quality of Publications
5.Improvement in Patents filed	3 patent granted & 85 patent published
13.Was the AQAR placed before the statutory body?	Nil
<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
Governing body	18/03/2023

14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> • Year 	
Year	Date of Submission
2023	06/02/2023
15. Multidisciplinary / interdisciplinary	
<p>The college adopts Multidisciplinary education which is a unique educational approach that allows the students to learn & explore distinct subjects or curriculum from various disciplines. For instance, a student of Mechanical Engineering can take a subject from Agriculture Engineering or Management Studies.</p> <p>Multidisciplinary approach is a method of curriculum integration that highlights the diverse perspectives that different disciplines can bring to illustrate a theme, subject or issue. The college follows Design thinking based multidisciplinary curriculum, multiple disciplines are used to study the same topic. As National Education Policy 2020 (NEP 2020) has also insisted to pay attention to it, we have been a pioneer in implementing multidisciplinary and interdisciplinary approaches. Multidisciplinary / interdisciplinary approach in Curriculum Open Electives (Electives should be chosen across boundaries) Value added Courses can be undertaken from any discipline. Projects/Mini Projects can be interdisciplinary with students from different discipline of study. All Non Academic credits can be from Multiple disciplines Language Electives are also offered Multidisciplinary / interdisciplinary approach in Other Activities Project presentation and competitions are interdisciplinary in nature Hackathon and Industrial Training are interdisciplinary Journal Publication, Conference Presentations, Patent publications are also interdisciplinary</p> <p>16. Academic bank of credits (ABC): The college heads forward to implement the Academic Bank of Credit implemented Ministry of Education Government of India. Soon after getting the direction from the affiliating University it would be implemented. As the college is accredited by NAAC, UGC with A Grade (3.01 score), It can offer courses to student of other institutions to earn credits. It aims to promote student centricity in higher education with learner-friendly approaches across the country and promote a more inter-disciplinary approach in higher education. It will enable students to choose the best courses/combination of courses to suit their interest. It will enable students to select the best</p>	

departments or institutions or their combination to suit their interest It will allow students to make specific modifications/specialisations to their degree programmes rather than undergoing the regularly prescribed degree/courses. It enables multiple entry-multiple exit schemes for students to complete their degrees as per their time preferences. It provides mobility across various disciplines like Degree, Diploma, PG Diploma, Certificate programmes. It facilitates lifelong learning amongst students in full time and part-time modes. It will maintain academic records and issue an official transcript. This transcript will be recognised by all the member-universities of ABC. If students are working towards a qualification, they will have to accumulate sufficient credits to gain the total credit value of the qualification.

16.Academic bank of credits (ABC):

The college heads forward to implement the Academic Bank of Credit implemented Ministry of Education Government of India. Soon after getting the direction from the affiliating University it would be implemented. As the college is accredited by NAAC, UGC with A Grade (3.01 score), It can offer courses to student of other institutions to earn credits. It aims to promote student centricity in higher education with learner-friendly approaches across the country and promote a more inter-disciplinary approach in higher education. It will enable students to choose the best courses/combination of courses to suit their interest. It will enable students to select the best departments or institutions or their combination to suit their interest It will allow students to make specific modifications/specialisations to their degree programmes rather than undergoing the regularly prescribed degree/courses. It enables multiple entry-multiple exit schemes for students to complete their degrees as per their time preferences. It provides mobility across various disciplines like Degree, Diploma, PG Diploma, Certificate programmes. It facilitates lifelong learning amongst students in full time and part-time modes. It will maintain academic records and issue an official transcript. This transcript will be recognised by all the member-universities of ABC. If students are working towards a qualification, they will have to accumulate sufficient credits to gain the total credit value of the qualification.

17.Skill development:

The College is keen to shape the young minds through development of Technical Skills and Life Skills focusing their professional development. To achieve this, the college has created a Centre for Skill and Career Development (SCD), which offers insightful Skills Development Programmes to groom students and make them corporate

ready. The college achieves the enhancement of employability objectives by conducting intensive process oriented classroom training & by organizing Club of Excellence events related to both Soft and Hard Skills. These classes and events are managed by a well-groomed team from Academics. Students' get an opportunity to attend a wide range of interactive workshops, training sessions that help them to recognize, develop and articulate their employ-ability skills for their future success. The College endeavours to develop and sharpen critical technical skills along with values and ethics to produce excellent human resource. They make sure that students are corporate ready by Inculcating in them not only with good academic grades but developing an all-rounder in life skills as well. Skill Development Activities Practised Skill Dominating courses in the Curriculum: 40% Two tools on latest technologies in the curriculum Language skills -Extra classes and Language Electives Blended and hands on learning practices Mini Projects (3 Nos) and Project Phase I & II Experiential Learning- Internship, Industrial Training and Industry Projects Regular monthly activities for students to develop their Quantitative ability, verbal and Aptitude Skills Encouragement to participate in technical contests and Hackathons Mandatory Online Courses Encouragement for Sports and Cultural activities Act on Dream Club for overall skill development

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

Cultural awareness and expression are among the major competencies considered important to develop in youth today. In order to provide them with a sense of identity, belonging, as well as an appreciation of other cultures and identities SNS College of Engineering has taken appropriate initiatives. A course on Essence of Indian Traditional Knowledge is introduced as a mandatory course for the students. It covers topics such as, Indian Literature, Culture, Tradition, and Practices Indian Religion, Philosophy, and Practices Indian Knowledge System on Sciences & Trade Indian Cultural Heritage & Arts Integrity and Unity among different culture is encouraged by celebrating various cultural events Traditional and Cultural Days are celebrated with real sense and spirit Technology in local languages is also promoted Faculty members have translated material of technical courses in to their Regional Language benefitting many.

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

The College adopts Outcome Based Education from 2018 OBE Process and Framework: There are four levels of outcomes are considered in OBE Processes such as Course Outcomes (CO), Program Outcomes (PO), Program Specific Outcomes (PSO) and Program Educational Objectives

(PEO). OBE Assessment: OBE is driven by assessments that focus on well-defined learning outcomes and not by other factors such as what is taught, the duration taken by the students to achieve the outcomes or which path the students take to achieve their targets. In SNS College of Engineering the PO's and CO's are disseminated to the students by the following methods: Syllabus with PO's and CO's are displayed on the college website. Curriculum and Syllabus book with POs, PEOs and COs are available in the library for reference. POs and PEOs are displayed at prominent places in the department including classrooms and laboratories. COs are included in delivery plan, lab manuals and course files for the respective courses. The guidelines for framing of COs using bloom's taxonomy are given to faculty members through IQAC meetings and through subsequent training to faculty members. The Program Outcomes (POs) and Program Specific Outcomes (PSOs) are developed from the Graduate Attributes prescribed by NBA-Washington Accord. Course Outcomes (COs) are defined for each course and they are mapped to POs and PSOs. CO and PO Assessment The COs are assessed through a structured pattern at the end of the course through Direct and Indirect Assessment methods. The CO attainment is assessed directly through Internal Assessment Examination, Assignments, Lab records and Model examinations The CO attainment is also assessed indirectly with survey forms containing questions related to each course. The POs and PSOs are assessed indirectly through Exit survey forms where the final year students at the end of their graduation submit their feedback on curriculum. Also the Alumni survey forms are used to take the feedback from Alumni to assess the POs and PSOs. The Employer Survey forms are used to take the survey from the employer to measure the PO attainments.

20.Distance education/online education:

SNS College of Engineering is an Autonomous Institution, approved by AICTE and affiliated to Anna University. As per the guidelines of statutory bodies we can offer Vocational courses through ODL only after obtaining No Objection Certificate from them. As of now we are not offering any distance education programmes. SNSCE uses a variety of Information Communication Technology (ICT) enabled tools to support effective pedagogy. All faculty members use ICT tools very effectively to enhance the teaching-learning process. All the Classrooms are equipped with LCD Projection Systems, computer and internet connectivity etc. These facilities enhance lecture delivery, effective communication and in-class assessments. In all departments, faculty rooms are equipped with desktop computers and all necessary resources such as Wi-Fi connectivity throughout the campus. Well-equipped smart classroom and interactive boards help

the faculty and students to present PPTs and Videos effectively. Laboratories, classrooms, Seminar halls, Conference Rooms, Auditoriums, and Hostels are enabled with Wi-Fi facility which gives space for students to learn from e-resources and update their skills. Automated Digital Library with personal computers and Online Public Access Catalogue system makes easy access for students and faculty members. Language laboratories with individual headsets and webcams help handle online classes and record quality audio and video to update as an e-learning resource in YouTube and social media. Study materials, assignments, activities, and assessments are shared through Google classrooms, Google forms, SNS Courseware-a dedicated portal for our students. The Institution has access to e-resources namely IEEE explore, DELNET, e-ShodhSindhu, National Digital Library of India, NPTEL. In the new Design Thinking Based Curriculum framework blended learning is encouraged among students. Our students have enrolled in Massive Open Online Courses (MOOCs) provided by Coursera, edX, Udacity, Udemy, NPTEL, etc. The college also has E Content Development Facility which is used by our faculty members to create video lectures which is posted in YouTube for the benefit of students.

Extended Profile

1. Programme

1.1 14

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1 2065

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 293

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

293

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

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1

723

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2

145

Number of full-time teachers during the year:

Extended Profile

1. Programme

1.1 **14**

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1 **2065**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 **293**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 **293**

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

File Description	Documents
Institutional Data in Prescribed Format	View File

3. Academic

3.1 **723**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	145
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	133
Number of sanctioned posts for the year:	
4.Institution	
4.1	679
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	39
Total number of Classrooms and Seminar halls	
4.3	937
Total number of computers on campus for academic purposes	
4.4	229.18564
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

The curriculum is meticulously crafted in adherence to the guidelines stipulated by AICTE and the affiliating university, while also aligning with the institution's vision and mission. With a focus on technology-enabled development, graduate attributes and Program Educational Outcomes (PEOs) are meticulously designed, serving as the foundation for delineating Program Outcomes (POs) and Program Specific Outcomes (PSOs). The

curriculum prioritizes student-centric learning, aiming to cultivate technical knowledge integrated with advancements in science and technology among the student community.

Implemented through a design thinking approach, the curriculum emphasizes activity-based learning, research, and outreach activities, fostering an environment conducive to potential excellence. It encompasses various dimensions, fostering higher-order thinking by encouraging analysis and evaluation of concepts, processes, procedures, and principles in education. Course outcomes are meticulously aligned with the revised Bloom's Taxonomy to ensure comprehensive learning outcomes.

Structured committees at both departmental (BOS) and institute levels (Academic Council), comprising domain experts from reputed organizations and industries, collaborate to formulate syllabi across all disciplines. Student feedback obtained through course-end surveys plays a pivotal role in curriculum revisions, ensuring responsiveness to evolving educational needs.

Furthermore, the institution's autonomy allows for academic flexibility, facilitating the introduction of new courses aimed at overall development and upgradation, thereby ensuring that the curriculum remains dynamic and responsive to emerging trends and requirements in the field of education.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://drive.google.com/file/d/1XsGBb2p6yW0rrj46xHWKaSL7iQblg5cc/view

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

8

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

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year**402**

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility**1.2.1 - Number of new courses introduced across all programmes offered during the year****402**

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System**14**

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

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

Courses to address Environment and Sustainability

The curriculum includes various courses that address Environment, concern for environment, awareness on hazards for environment. For example, the courses Environmental Science, Environmental and social impact assessment, green building design, waste water treatment, Air pollution and control engineering, disaster management and green computing are included as electives to address Environment and Sustainability.

Courses to address Human Values and Professional Ethics

The curriculum includes various courses to address Professional Ethics and Human Values, which teaches social development to the course Indian Constitution, Professional Ethics in Engineering, human rights, global culture and global business ethics and law.

As a part of Social Responsibility Initiatives (SRI) our institution conducts various activities such as SANTA 365, Neighborhood School Program, Blood Donation Camp, Dental Camp, Anti -Drug Day, Talent Hunt & Talent Competition for identifying and recognizing the young talents from all over Tamil Nadu. It is a promise that everyone should contribute for the society while working for the social, cultural and, ecological causes. Gender Issues The learning culture provides various opportunity for students to demonstrate professional behavior. The Women Empowerment Cell and the Anti-sexual harassment committee continuously offer various events like Seminar, panel discussions on gender sensitization.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

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

35

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

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

2016

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

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

1118

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

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

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	bit.ly/49u4syu
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

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

File Description	Documents
Provide URL for stakeholders' feedback report	https://bitrix24public.com/sns.bitrix24.in/docs/pub/66641a326c5b467dba3d1252413cbc85/default/?&
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

684

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

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

684

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

"The students' database was analyzed based on internal exam marks, submission of assignments, classroom interaction, curricular, and co-curricular activities. Based on the analysis, students are categorized as slow learners, medium learners, and advanced learners.

Activities for Slow Learners:

Course teachers incessantly take care and periodically monitor the performance of slow learners through the following activities:

- Remedial classes after college hours
- Question bank for easy preparation
- Learning from Peer Groups
- Interaction with parents on the performance of their wards
- Special attention on Mathematics courses & English for Tamil medium students
- Effective mentorship to resolve the difficulties faced by the slow learners

Activities for Advanced Learners:

Advanced learners are provided with the flexibility of completing their eighth-semester courses in fast track mode, enabling them to undergo full-time internships. They are encouraged to participate in National Level technical contests such as Smart India Hackathon, Codevita/go-kart/e-kart, and Technology Business Incubator (TBI) programs (FORGE), as well as entrepreneurship activities. Additionally, students are given professional training on the latest technologies, GATE, GRE, TOEFL, and foreign languages (German, French, Japanese) to obtain certifications. Awards such as Best Outgoing Student, Outstanding Student of the Department, and All-Round Performer are presented every year during the Annual Day."

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://snsce.ac.in/5pillars/

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
24/06/2022	2065	145

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

"The institution has embraced student-centric pedagogies to enrich student engagement through experiential learning, participative learning, and problem-solving.

Experiential Learning: This method fosters active learning through practical experiences. The institution employs various approaches:

- **Mini Project:** Students conduct empathy studies and apply theoretical concepts effectively.
- **Capstone Project:** In their final semester, students undertake projects to apply their accumulated knowledge.
- **Industrial Projects:** Students tackle real industrial problems, gaining practical experience.
- **Simulation:** Visualization aids understanding complex concepts.
- **Industrial Visits:** Provides firsthand exposure to workplace environments.

Active participation within the campus is facilitated through

activities such as group discussions, brainstorming sessions, role-playing, peer group learning, and flipped classrooms. Students also showcase their talents in top industrial contests like Code Debugging, Hackathon, Ideathon, Go-Kart/E-Kart, and CodeVita.

Problem-Solving Methodologies: The institution emphasizes holistic understanding and practical application of concepts through various problem-solving methods:

- **Tutorials:** Students collaborate in groups or individually with teacher guidance.
- **Case Studies:** Analyzing real-life scenarios enables students to apply their skills to solve problems.
- **Group Assignments:** Collaborative problem-solving encourages mutual sharing and collective wisdom."

This version ensures clarity and correctness in conveying the institution's student-centric approach to learning.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://snsce.ac.in/ece_clt/

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

In SNSCE, Information and Communication Technology (ICT) enabled classrooms are equipped with facilities such as LCD projectors and Internet connectivity. These resources empower students to visualize the concepts being taught, thereby enhancing their learning experience and understanding of the subjects.

Furthermore, students are actively encouraged to engage in assignments, case studies, and seminars, fostering critical thinking as an integral part of the learning process. The Center for Learning and Teaching (CLT) supports faculty members in becoming effective teachers and mentors, while also creating an educational environment that fosters excellence and innovation within the teaching community.

A variety of student-centric learning activities are practiced to facilitate better understanding among students. These activities include puzzle-solving, role-playing, analogies, project-based

learning, seminars on recent trends, quizzes, online tests, brainstorming sessions, tutorials, case studies, group discussions, and mind mapping techniques.

To further support student-centered learning, various facilities are provided, such as SNS courseware, access to NPTEL or video-based presentations, ICT-enabled classrooms, online multiple-choice questions, webinars, and remote learning resources available for students to access at any time.

Moreover, students are encouraged to utilize ICT tools in all their presentations, and they are motivated to participate in inter-departmental and inter-collegiate competitions in co-curricular activities. This holistic approach to education ensures that students are not only equipped with theoretical knowledge but also with practical skills and the ability to apply their learning in real-world scenarios.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://snsce.ac.in/5pillars/
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

145

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

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

The academic calendar at SNSCE is meticulously prepared with inputs from all stakeholders, aligning with schedules set by the affiliating university. A comprehensive College Handbook and Calendar are formulated at the onset of each academic year and

disseminated to all stakeholders. Furthermore, each semester, departments devise tentative action plans encompassing lesson plans, supplementary content, arranging expert guest lectures, and preparing educational materials like models and charts, which are prominently displayed on departmental notice boards.

This calendar not only facilitates faculty members in scheduling training programs for effective knowledge dissemination but also enables students to plan industrial visits, internships, and in-plant training during vacations. Additionally, the tentative schedule of internal examinations aids students in preparing well in advance. This structured approach ensures effective coordination among all parties involved, fostering a conducive environment for academic excellence and holistic learning experiences.

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

2.4 - Teacher Profile and Quality

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

145

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

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

49

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

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

5.6 years

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

2.5 - Evaluation Process and Reforms

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

17

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

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

18

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

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

An effective Examination Management System (EMS) is meticulously planned and executed by the Office of the Controller of Examinations, overseeing examination conduct, assessment, and result declaration. The complete automation of the examination system has revolutionized the entire process.

The portal, integrated with the Examination Management System, empowers faculty members to manage course-wise attendance and enter internal marks components seamlessly. Meanwhile, students have access to their academic performance data, including continuous internal assessment, attendance records, and end-semester examination marks through the web portal, ensuring transparency.

Institutional examination reforms are aligned with AICTE guidelines, focusing on enhancing the examination system. Some significant reforms include:

1. **Academic Flexibility:** Converting one-credit courses, value-added courses, and MOOC courses into academic credits, offering students a diverse learning experience.
2. **Internal Assessment:** Assignments, seminars, contest participation, and industrial projects contribute to the internal assessment, keeping students engaged throughout their course of study.
3. **Computerized Examination Management System:** Leveraging technology to streamline examination processes, ensuring efficiency and accuracy.
4. **Online Performance Viewing:** Introducing online facilities for students to access and monitor their academic

performances conveniently.

5. **Examination Withdrawal Option:** Students have the flexibility to withdraw from examinations of any semester, except the first, with valid reasons. This option is available to students once during their entire duration of study, providing them with necessary flexibility.

These reforms aim to modernize the examination system, enhance student engagement, and provide flexibility and transparency, ultimately contributing to the overall academic success of the institution.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://snsce.ac.in/coe/

2.6 - Student Performance and Learning Outcomes

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

Syllabi for all courses at our institution are meticulously crafted by faculty members, incorporating their expertise and insights. The Course Development Committee, chaired by the Head of Department, further refines these syllabi through collaborative discussions. Faculty, industry experts, and subject matter specialists contribute, enriching the curriculum with real-world relevance. Using Bloom's Taxonomy, course objectives and outcomes are carefully formulated to provide a clear framework for learning and assessment.

To communicate Program Outcomes (POs) and Course Outcomes (COs) effectively, syllabi featuring POs and COs are prominently displayed on the college website. Curriculum books with POs, Program Educational Objectives (PEOs), and COs are accessible in

department libraries. Additionally, POs and PEOs are showcased in departmental areas, enhancing student awareness.

COs are integrated into delivery plans, lab manuals, and course files, ensuring alignment with objectives. Students assess POs and COs at the end of each course, providing feedback. Faculty receive guidelines for framing COs using Bloom's Taxonomy, ensuring consistency. The tutor-ward system emphasizes the importance of POs and COs, fostering student understanding of their educational journey and outcomes.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://drive.google.com/file/d/1XsGBb2p6yWOrj46xHWKaSL7iOblg5cc/view

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

The attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs) forms the cornerstone of our curriculum framework. Each course is meticulously structured with clearly defined Course Outcomes (COs), strategically mapped to the overarching POs and PSOs. This meticulous alignment ensures that students progressively achieve the intended learning outcomes throughout their academic journey.

Assessment of COs is conducted through a blend of Direct and Indirect methods. Direct assessment involves diverse activities such as Internal Assessment Examinations, Assignments, Lab records, and Model examinations. These evaluations are tailored to gauge students' comprehension and application of course-specific learning objectives. Faculty meticulously analyze the contribution of each CO, categorizing their attainment levels as high, moderate, or low, and documenting these findings in Course Files. This rigorous analysis serves to identify areas of strength and areas for improvement, thereby enhancing overall program effectiveness.

Furthermore, CO attainment is evaluated through Semester-end

Theory Examinations, featuring questions designed to comprehensively cover all COs across varying levels of Bloom's Taxonomy. This comprehensive assessment approach ensures that students demonstrate competency in a range of cognitive domains and skill sets.

Indirect assessment methods involve survey forms administered to students, faculty, alumni, and employers. Course-end and faculty surveys provide valuable insights into the effectiveness of COs from both learner and instructor perspectives. Additionally, exit surveys completed by final-year students and alumni, coupled with employer feedback, offer invaluable insights into the attainment of POs and PSOs.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sns.bitrix24.in/docs/pub/f306250c1ef66559d9d680a937db536b/default/?&

2.6.3 - Pass Percentage of students

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

292

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

<https://bitrix24public.com/sns.bitrix24.in/docs/pub/66641a326c5b467dba3d1252413cbc85/default/?&>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

Providing support to faculty, research scholars, and students in preparing research proposals for grants from diverse funding agencies such as DST, AICTE, MHRD, etc. Allocating seed funding for R&D projects in emerging fields proposed by faculty, research scholars, and students. Assisting in the filing of Intellectual Property Rights (IPRs) like patents and copyrights. Promoting awareness and inspiring researchers to engage in emerging domains of engineering and technology. The institute has identified seven industry sectors and five emerging technology domains for focused attention. Encouraging faculty members to pursue research leading to Ph.D. degrees. Facilitating patent applications for innovative designs and products. Establishing Memoranda of Understanding (MOUs) with industries, technical institutions, and universities for collaborative research in cutting-edge technologies. Providing industrial consultancy services. Facilitating the publication of research papers in reputable national and international journals (such as Scopus, Web of Science, and SCI Indexed Journals) and international conferences. Supporting book publication endeavors.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://snsce.ac.in/research and innovatio n/
Any additional information	View File

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

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

31.93

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

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

16

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

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

22.86

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

45

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://snsce.ac.in/research_and_innovation/
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

2

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

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

11

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://snsce.ac.in/research_and_innovation/
Any additional information	View File

3.3 - Innovation Ecosystem

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

SNS Institutions Fosters a Vibrant Startup Ecosystem

SNS Institutions is committed to nurturing innovation and

entrepreneurial spirit among its students. They have established several incubators dedicated to specific subjects and sectors, providing aspiring entrepreneurs with infrastructure, expert guidance, and valuable resources.

Inspired by the National Innovation and Start-up Policy 2019, SNS Institutions has implemented its own SNS ISP (Innovation Start-up Policy) to actively engage students, faculty, and staff in entrepreneurial activities. Their newly launched ICAFE space brings together industry and academic experts to collaborate with students on their startup ideas.

One successful example is DeLauto Solutions, a design and drafting center for Coimbatore's manufacturing industries, founded by Mr. V.Yasith. SNS Institutions further supports aspiring entrepreneurs through workshops like i-Mentor for staff and i-Start for students, conducted through FORGE.

The Centre for Intellectual Property Rights raises awareness and facilitates IP generation and transfer, boasting 9 startups and 42 patents. Additionally, the MHRD-approved IIC (Innovation Incubation Center) engages faculty and students in various activities like ideation, problem-solving, and project management throughout the pre-incubation and incubation stages.

In essence, SNS Institutions is actively building a comprehensive ecosystem that empowers students and faculty to transform their innovative ideas into successful startups.

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

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

33

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

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

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

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

3.4.2.1 - Number of PhD students registered during the year

2

File Description	Documents
URL to the research page on HEI website	https://cfr.annauniv.edu
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

94

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

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

61

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://snsce.ac.in/research and innovation/

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

3.4.5.1 - Total number of Citations in Scopus during the year

1262

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

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

3.4.6.1 - h-index of Scopus during the year

15

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

3.5 - Consultancy

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

25.46

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

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

415000

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

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

Extension Services benefitting the community are undertaken by NSS, RRC, YRC and the departments with an aim of achieving the Core Values of NAAC, Vision and Mission of the College and realizing the UNESCOs declaration "Learning to Live Together, Laying accessible road, forming public park and Bus Stop Shelter". The students of the college actively participate in these programmes and help them. For community extension programme, the college provides personality development sessions and computer proficiency coaching classes for other members of society such as Government teachers, so that the society is also benefitted from these programs. Participation in the extension activities is one of the important criterions for the selection for Best out Going (BOG) student of the college and the department. In the performance evaluation of the faculty members, due weightage is given for participation in the extension activities.

NSS Unit-Our institution's NSS unit, in collaboration with SNS Social Responsibility Initiative and Health Department, Sarkar Samakulam has conducted awareness programs like dengue awareness, anti-drug awareness, charity fund raiser, Gaja cyclone relief activity etc.,

YRC Unit- Around 1890 students have participated in Health Awareness Rallies, Blood donation camps, road safety, celebrating life etc.,

4. RRC Unit - Individual departments, in collaboration with Native Medicare charitable trust, BRJ Ortho Centre, KMCH, Santhi Social Service etc., has organized awareness programs like Blood Donation Camp, Medical Camp, Free Eye Check-up Camp, etc

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

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

3

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

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

23

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

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

970

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

3.7 - Collaboration

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

14

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

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

32

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution's evolving needs and infrastructure improvement go hand in hand. Physical amenities such as classrooms, labs, staff rooms, seminar halls, R&D centers, restrooms, etc. are well-established at our institution. All work has been done in accordance with NBC regulations, and appropriate infrastructure expansion is in place whenever additional projects are allowed. A newspaper desk, a presentation platform, and a double-seat desk arrangement adorned the interior of the classroom. Every classroom also has a desktop, speakers, LAN, Wi-Fi, overhead LCD projector, display screen, and other technology that greatly aids in transforming conventional classrooms into ICT digital classrooms. The courses are organized so that both theory and practical classes follow and apply the Design Thinking curriculum.

As required by our curriculum, our college has well-established laboratories with the most recent and cutting-edge technology. In addition to the required courses, the college offers several laboratories renowned for their cutting-edge technical support. The BOT lab, E-yatra lab, Texas Instruments' advanced embedded lab, electronic bank for small projects, piston factory for car design and fabrication, and product design and development center are only a few examples of the laboratories that facilitate the creation of creative 3D models of mechanical parts.

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

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

Our institution of higher learning offers a suitable atmosphere for students' academic, intellectual, physical, and mental growth, which is overseen by the principal, the entire staff, the physical director, and his team. The ultimate indoor sports, games, and recreation facility is called SPINE. It is a massive, elevator-equipped, four-story building that doubles as a state-of-the-art indoor activity center complete with an indoor swimming pool, an indoor cricket pitch, and an automated bowling facility.

A sophisticated small theatre, a music and recording studio, a dance studio, a creative art room, a quiet area for networking, and games like air hockey, billiards, foosball, and hand soccer in addition to chess and carrom are all part of the gaming facility. Our outdoor sports infrastructure includes a football pitch, a table tennis hall, a huge auditorium and courts for basketball, volleyball, ball badminton, kho-kho, cricket, hand ball, kabadi and shuttle. Students from every corner of the world can display their abilities in dance, singing, etc., during the Annual Cultural Summit. The way that holidays like Pongal, Holi, Onam, and Christmas are observed creates a platform for celebrations of culture, religion, and states that are inclusive of all students. Numerous groups, including the MUN, Youth Parliament, Foodies, Coding and Web Designing, Dance and Music, Bikers, Photography, and NSS, among others, Students can choose to explore their interests and grow as individuals by enrolling.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://snsce.ac.in/sportssnsce/

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

39

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

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

225

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource**4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

The groundwork for the computerization of the library was started with the manual entry of the details of the books. These details were fed in the data entry terminals and stored. The automation work gained momentum with accuracy by the provision of assistance from commercial software of Lips i net. The library has its own sub LAN consisting of 7 terminals, one server to support library software, OPAC services and other in-house computerization activities are done within the library. The basic features of Automation in circulation system are charging, overdue controls, discharging, reserves, etc. This system should be capable to perform different jobs such as registration of library members, issuance of borrower cards, charging and discharging of documents, reminders of over dues, updating to record files, identification of items on lone, identification of items and due date slips and generating the orders for stolen books automatically, OPAC (Online Public Access Catalogue) facilitates online search related to

books, book bank books, journals, CD/DVDs, back volumes and standards available in the library. Users can also reserve the books which are under issue.

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

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

A. Any 4 or more of the above

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

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

15.61678

File Description	Documents
Audited statements of accounts	View File
Any additional information	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

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

227

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

4.3 - IT Infrastructure

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

Our institution is equipped with a variety of IT facilities that are updated on a regular basis because it recognises the importance of technology in knowledge acquisition and skill development. Video conferencing, web conferencing, and e-learning are made available in smart classrooms, seminar halls, conference rooms, and ICT centres to support training programmes. The installation of 65 Wi-Fi devices allowed for full Wi-Fi coverage throughout the entire institution. To keep an eye on things, 218 CCTV security cameras and 17 CCTV DVR were installed. To provide firewall security across the entire campus, 10 Wi-Fi access points were built. Additionally, the Sonic firewall software offers user registration, IP assignment, login, and management of time limits and bandwidth restrictions. For efficient handling of student and staff information, a centralised ERP system was installed. This makes it possible for teachers, parents, and staff to access a student's academic records, including attendance, grade, and other information

The hardware, network, intranet-related services, and Wi-Fi on campus are all monitored and maintained by a technical team. The first line of defence against threats to Internet security and for regulating data transmission to the Internet is a Sonic firewall. For use in the online lectures and practical's, the institute has licenced versions of Microsoft Office Suite (Microsoft Teams). An ID is provided for each faculty member and students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drive.google.com/file/d/1fP0T7oKt5uNp4UBckFjfz6LJ3E_FREmK/view

4.3.2 - Student - Computer ratio	
Number of Students	Number of Computers
2065	937
File Description	Documents
Upload any additional information	View File
4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 750 Mbps
File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File
4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	A. All four of the above
File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.youtube.com/watch?v=UblXciJCKzQ
List of facilities for e-content development (Data Template)	View File
4.4 - Maintenance of Campus Infrastructure	
4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)	
229.18564	

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

The college has established a clear system and procedure for maintaining physical, academic and support facilities. A faculty incharge and a technical staff monitor for routine and periodic maintenance and functioning of equipment's in laboratories. Depreciations and Improvement needs are proposed and sanctioned by the management.

The central library is audited annually to ensure the relevance and usefulness of the materials and are systematically renewed and updated by the library administration. The updating of the department library is carried out by the respective department through their annual budget. The institute provides separate and distinguished sports infrastructure administered by a Physical Director. The maintenance and updating of the same is ensured by the physical education director through the Principal periodically.

Every classroom is enabled with ICT facilities via computers with smartboard/LCD Projectors and specially assigned technical staff supports the maintenance. The systems are updated and kept current to meet all the needs of latest technological advancement. The cleanliness of all laboratories, sports fields, classrooms and departments are organized and routinely ensured by the maintenance department under the management of the Principal through engineers and supervisors to ensure all electrical, mechanical and common infrastructure related problems are addressed immediately and maintained diligently

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.snscourseware.org/snsagar/Policy-Hand-Book-2022.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support	
5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year	
611	
File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File
5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year	
2065	
File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File
5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	A. All of the above
File Description	Documents
Link to Institutional website	https://snsce.ac.in/#ourdifferentiators
Details of capability development and schemes	View File
Any additional information	View File
5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year	
600	

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

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

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

5.2 - Student Progression

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

221

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

5.2.2 - Number of outgoing students progressing to higher education	
2	
File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File
5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year	
5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year	
2	
File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File
5.3 - Student Participation and Activities	
5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year	
41	
File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution	
<p>SNSCE is basically headed by the Chairman, Correspondent and Technical Director, were the Principal steers the Institution forward with an extended team of HoD , CEO, Administrative officer, Librarian and Physical Director.</p>	

The governing body is headed by the Chairman Dr. S.N.Subramanian and members of UGC, AICTE and Government of Tamilnadu and few more. Others statutory bodies of the institution are planning and monitoring committees, anti ragging committee, ICC which implement its disseminating information's through the HOD in the action plan of the department.

Feedback on Institutional governance, faculty performance, teaching learning process, general resources are collected, decide the feedback about course handling teachers, course knowledge-delivery effectiveness, use of teaching aid, punctuality and class discipline or also collected randomly.

Among the major forums the Student counsel includes student's representatives and two senior faculties under the supervision of the Principal, which occurs twice a semester. On the other hand, Board of studies (BOS) has nominees from Anna university and from industry to review the autonomous curriculum/ syllabus, twice a year.

Apart from these the institution has various Associations including ISTE, SAE, ACM, IE, IET and CSI. Major clubs within the institution include MUN club, yoga club, fine arts and music club, SMILE English club, and many more. These clubs are headed by elected student secretaries. Social outreach strategy in SNSCE makes students to participate NSS, YRP, RRC activities and also promote to organize community development camps at government schools and at socially backward forums.

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

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

62

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

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

The SNSCE Alumni Association has 10 members as office bearers who coordinate all the events regarding alumni association. More than 3000 members are in Alumni Association. During this academic year 10 online alumni meet has been organized and discussed with various department passed out students who shared their work experience and innovative ideas. Alumni Association organized 58 online seminars for the students with various topic to enlighten the students knowledge in current trends and Technologies of various IT Industry. More than 110 members are done Internship in various companies on the reference of the Alumni Members. Alumni members are included in BOS committee for the curriculum enrichment. Alumni members gave guidelines to the Entrepreneurship cell for the upliftment of the students who wish to be an entrepreneur. Short courses on soft skills, Spoken English, Personality Development and skills to face Interview, Resume writing, Elementary Computer Courses regularly on campus not only for the students but also for unemployed graduates.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://snsalumni.in/

5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

VISION:

SNS College of Engineering envisages its vision to provide quality education of international standards and impart knowledge & skills to the students, in the process to shine as one of the premier institutions in the country and worldwide.

MISSION

The cherished mission of the college is

1. To create conducive environment for the school leaving youth - both boys and girls to acquire quality technical knowledge and skills.
2. Provide social and economic accessibility for every section of society to enjoy education on global standards
3. Prepare students to meet future development in science and technology with social a gender equity
4. Empower students to promote their knowledge and skills through networking with other relevant institutions

Governance of the Institution

The institution is governed by the visionary leadership of Dr.S.N.Subbramanian, Chairman, Dr.S.Rajalakshmi, Correspondent and Technical Director, Dr.S.Nalin Vimal Kumar. Under their able leadership and guidance, the Principal, institution members are marching towards the attainment of the organisation's vision.

The institution's perspective plans focuses on providing the world-class education to our students through the Design Thinking Curriculum, which is implemented first of its kind in India. Institution plans provide students' access to cutting-edge facilities likelaboratories, learning tools, resources, projects from Innovation hub(iHub).

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

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

DECENTRALISATION:

The decentralisation of departmental operations is a sign of effective leadership. The Department Heads and faculty members have the authority to create the curricula and syllabi in consultation with stakeholders and as required by the industry trends. The Value Added Courses and Non-Academic Credit Courses are decided and implemented by the departments to improve the calibre of students' knowledge and skill sets while working toward the mission. Department are completely decentralised on the Industry-Institution Partnership programs that are required to produce the world-class technocrats.

PARTICIPATIVE MANAGEMENT:

Participative Management of the institution is proven through the faculty participation in the teaching learning process & implementation of the Design Thinking Framework in the institution. Ours is the first institution in India that implemented Design Thinking Curriculum. The members of the Institution have taken the Value Added Courses on design thinking on their own interest and become the Certified Trainers. This is facilitating them to strengthen the Design Thinking Concept amongst the stakeholders. Thus decentralisation and participative management practices are followed in the institution.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://snsce.ac.in/5pillars/

6.2 - Strategy Development and Deployment

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

The perspective plan of institution is clearly defined in the areas of Curriculum design, teaching -learning process, innovation, research and development and human resource management and development (HRM & HRD) system.

To enhance the academic activities marching towards the global excellence, Design Thinking (DT) based curriculum is implemented in SNSCE as a pioneer. The DT framework enhance the students' thirst for knowledge and innovation. The DT Based Curriculum and Framework is made up of Institutional DT-Courses, Program DT-Courses, Career DT-Courses, and Non-Academic-DT Courses. Design Thinking curriculum is based on the Five Pillars approach -Centre for Learning & Teaching (CLT), Centre for Creativity (CFC), Skill and Career Development (SCD), Industry-Institution Partnership Cell (IIPC), Social Responsibility Initiatives (SRI).

Institution also has a perspective plan through the Institution-Industry Partnership Cell with many collaborative programmes and projects that enable the studentstobe industry-ready and globally competitive. The Innovative Hub (iHub) of the institution functions are based on the 7 industry verticals and 7 innovative technologies, which provides a greater platform for the students' innovation and projects.

Institution's HRM includes an effective management system and the developmental programs. The HR of the institution are also encouraged to undergo various educational and technical courses to enhance their knowledge and skillsets.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://snsce.ac.in/5pillars/
Upload any additional information	View File

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

Organogram

The Organogram of the institution clearly depicts the managerial hierarchy of the Institution.

Chairman holds the top management position in the organogram. He guides the work force on the institutional developmental and promotional activities through Correspondent and Technical Director who are the guiding and motivational leaders of the institution.

Director and Principal are on the top hierarchy holding the responsibilities of guiding the employees on all functional and developmental activities of the institution. They also ensure the smooth running of the day-to-day activities and its quality aspects. Vice-Principal supports the Principal through coordination between the Heads of the Departments, Principal and top management.

Internal Quality Assurance Cell (IQAC) is the apex body holds responsibility of ensuring the quality on the academic and non-academic activities of the teaching and non-teaching staff, students and the departments.

Vice-Principal and IQAC have the mechanism to monitor the implementation of the strategies/policies framed and the outcomes obtained through the Heads of Departments. The Tutor, Faculty Advisor, IQAC Coordinators, Faculty members and Lab-in-charges are reporting to the Heads of the Departments on these aspects on daily basis. Vice-Principal and IQAC also monitoring the functions of Librarian, R&D, Placement Cell, Skill & Career Development & Physical Director.

File Description	Documents
Paste link to Organogram on the institution webpage	https://snsce.ac.in/
Upload any additional information	View File
Paste link for additional Information	https://snsce.ac.in/iqac/

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

SNSCE has effective welfare measures for the teaching and non-teaching faculty members focusing on the following main aspects under the career development and skill building

FOR TEACHING FACULTY

1. The teaching faculty members are encouraged to do their high studies and certificate programmes in order to enhance their career development.
 2. Faculty members are supported with the Seed money assistance from management to undertake minor projects and enhance the research and innovation.
-
1. The college provides 50% of the registration fee in addition to On Duty for faculty who are presenting the papers in National & International Conferences.
 2. Faculty members are supported with Rs.1500 Rs.1000 cash award for paper presented Annexure I & II, Scopus indexed journals etc.
 3. Providing Group Medical Insurance for all the members.
 4. Faculty members are provided with Employee Provident Fund facility.
 5. Faculty Exchange Programme
 6. Staff club of SNSCE plays a key role in the faculty empowerment. It extend support to the employees to balance their work-life through motivational programmes and activities.
 7. Encouraging faculty to enhance their qualification (M.Phil/ Ph.D., programme).
 8. Extending support to the children's education of the

teachers in our Institution.

9. Group COVID Insurance Scheme.

FOR NON-TEACHING FACULTY

1. The non-teaching faculty members are encouraged to pursue advanced degrees and certificate programmes in order to advance their professional growth, and they are given permission to do so.
2. Medical Group Insurance
3. Employee Provident Fund
4. Staff club of SNSCE extend support to the non-teaching faculty to balance their work-life through motivational programmes and activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drive.google.com/file/d/1Bs8tZ6sOdC1jaRraQ3wthZkBmVpZkoEa/view

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

52

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

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

135

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

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

89

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

SNS College of Engineering conducts regular internal and external audits for smooth financial operations.

All the college assets and transactions are recorded properly. Finance Committee The finance committee is constituted as an advisory body on all financial matters as per the regulation of UGC..The Governing Body reviews and ratifies the proceedings of the Finance Committee. The finance committee takes great care of the verification of income and expenditure information.

Budget Preparation

The budget proposal is prepared by the Head of the Departments considering both recurring and Non Recurring items. At the starting of the financial year, Budget presentation meetings are conducted with various Heads and Principal. Based on the discussions made, the Common budget for college is prepared. The College budget is submitted to the Management for approval. Based on the year's allocation and Mobilization of funds, the final

budget is approved by the Management. The proposed budget includes the salary, charges for consumables like electricity & water, laboratory equipment purchase, maintenance, furniture requirements, service and repair costs, research and development costs and other infrastructure developmental costs. The Finance department keeps track of expenditure in accordance with the approved budget. Financial Audit The purpose of financial audit is to check the financial statements as per accounting principles and ensure an appropriate monitoring and control system with respect to flow of money and to forecast / manage the appropriate asset related risk. Internal Financial Audit Internal Audit is done by the accounts section of the Trust office

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

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

30

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

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

The revenues at SNS College of Engineering are raised by the tuition fees paid by students, which is in accordance with government regulations and used as the primary source of revenue. These funds are generally used to support the institution's development and for the salary of the employees. The institution's consulting activities are also a source of revenue. Registration/participation fees for programmes organized by the university with external members are another source of revenue. The IQAC and the Finance department have a system in place for maintaining and auditing records at the institution.

The developmental activities of the institution include students' training programmes, value added courses, Seed Money Fund for the research work of the students and faculty. They are supported with the travelling allowance and registration fee for the participation in conference and seminars.

Cash awards for the Best Outgoing Student (BOG) award and the AllRounder Performance (ARP) Award are also given to the students. Scholarships are also available to eligible students through the institution's numerous schemes, such as the SNS Free Education Scheme (Founder's Scholarship Scheme), concession on tuition fee for the meritorious students and financially poor students. Scholarships under Sports Quota is also provided to the students.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://snsce.ac.in/iqac/

6.5 - Internal Quality Assurance System

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

The primary objective of the Internal Quality Assurance Cell (IQAC) is to establish a systematic framework for taking intentional, consistent, and catalytic actions to enhance the academic and administrative performance of the institution. The overarching goal is to foster measures aimed at improving institutional effectiveness by implementing robust quality assurance practices.

1. Collaborative Learning: The institution promotes collaborative learning through diverse teaching pedagogies encompassing over 35 methodologies. These include Experiential Learning, Participative Learning, Problem Solving Learning, and ICT-Based Learning. Additionally, the institution has fostered collaborations with over 230 industries, facilitating internships for students. Furthermore, through partnerships with foreign universities, faculty and students are provided opportunities for international exchange programs, with agreements in place with two foreign universities resulting in successful exchanges for four faculty

members and eight students.

2. **Five-Pillar Approach:** A distinctive initiative by the IQAC, the Five-Pillar Approach, aims at the continuous development of both faculty and students in their academic and professional endeavors. This initiative has yielded notable outcomes, including 42 patents published, two patents granted, 412 paper publications, recognition as a Band Performer in ARIIA rankings, a 4-star rating in MHRD-IIC rankings, a 92% placement rate for students, participation of 1687 students in various events, and recognition with a Platinum band in the AICTE-CII Survey, as well as Internshala annual ranking accolades.

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

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

Regular review of teaching, learning, and evaluation processes is fundamental to our educational ethos. Faculty members use a design thinking framework to craft lesson plans aligning with course outcomes, emphasizing cognitive, sociological, and emotional skill development in students.

Syllabus completion is meticulously logged in the AAA (Attendance, Assessment, and Audit) record, detailing topics covered, methodologies employed, and allocated hours. Department heads conduct reviews to maintain consistency and quality.

Various interactive teaching methods like group discussions, role play, demonstrations, and debates are conducted, with assessments documented in the AAA logbook, audited by department heads for quality assurance.

Bloom's Taxonomy guides integration of activities and assessments to support student achievement of learning outcomes. Faculty members also hold regular office hours for deeper discussions and query resolution.

Our curriculum, developed collaboratively by academic leaders and stakeholders, emphasizes career-oriented courses to prepare students for diverse pathways such as higher education, competitive examinations, entrepreneurship, and employment, in alignment with the 2019 Regulation requirements, ensuring holistic student development.

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

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

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://bitrix24public.com/sns.bitrix24.in/docs/pub/84d715e01edd41a103c10c54e453afd1/default/?&
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

Ensuring gender equity and providing essential facilities for women are fundamental principles of our institution, embodying our

commitment to inclusivity and empowerment.

To bolster safety and security, we've deployed 212 closed-circuit television cameras (CCTVs) strategically throughout the campus. Additionally, our fully residential wardens offer round-the-clock support and assistance to female students, fostering a secure living environment.

Our proactive Women Empowerment Cell spearheads initiatives aimed at promoting gender sensitivity, leadership development, and career advancement opportunities for women. Moreover, the provision of a dedicated common room offers a conducive space for relaxation and interaction among female students.

A significant testament to our dedication to gender parity is the remarkable representation of women in leadership positions, constituting 64% of key roles across various departments and committees. This diverse leadership fosters inclusive decision-making and enhances the overall campus environment.

Despite challenges, we're proud to report a 22% enrollment rate of female students, indicative of our efforts to enhance access and participation. Furthermore, with 55% of our faculty members being women, we strive to provide diverse role models and mentors for our students.

In conclusion, our institution remains steadfast in its pursuit of gender equity and women's empowerment, continuously striving to create an environment where every individual has the opportunity to thrive and succeed.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://tinyurl.com/59whzxwa

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

A. Any 4 or All of the above

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

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

Our institution has established a robust waste management system encompassing solid waste, liquid waste, biomedical waste, recycling, and e-waste management, reflecting our commitment to environmental sustainability.

Solid waste management is facilitated through separate dustbins for degradable and non-degradable waste, promoting efficient segregation at the source. A third-party vendor is contracted to handle solid waste collection and disposal on a weekly basis, ensuring timely and proper disposal practices.

Liquid waste management includes the operation of a sewage treatment plant for wastewater recycling, minimizing environmental pollution and conserving water resources. The treatment process adheres to stringent standards, ensuring the safe discharge of treated water.

Furthermore, we have established a waste recycling plant to process recyclable materials, contributing to waste reduction and resource conservation. This initiative aligns with our commitment to circular economy principles.

E-waste management is addressed through an agreement with a third-party vendor to handle electronic waste disposal annually, ensuring compliance with regulations and responsible recycling practices.

In conclusion, our comprehensive waste management system integrates various initiatives to mitigate environmental impact, promote sustainability, and foster a cleaner and healthier campus environment. Through continuous improvement and community engagement, we strive to set new benchmarks in waste management practices.

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

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

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

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

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

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>B. Any 3 of the above</p>										
<table border="1"> <thead> <tr> <th data-bbox="86 689 539 757">File Description</th> <th data-bbox="539 689 1439 757">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 757 539 898">Reports on environment and energy audits submitted by the auditing agency</td> <td data-bbox="539 757 1439 898" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 898 539 1003">Certification by the auditing agency</td> <td data-bbox="539 898 1439 1003" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 1003 539 1108">Certificates of the awards received</td> <td data-bbox="539 1003 1439 1108" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 1108 539 1169">Any other relevant information</td> <td data-bbox="539 1108 1439 1169" 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
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Reports on environment and energy audits submitted by the auditing agency	View File										
Certification by the auditing agency	View File										
Certificates of the awards received	View File										
Any other relevant information	View File										
<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>A. Any 4 or all of the above</p>										

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

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

In our educational institution, the celebration of Christmas, Pongal, and Onam stands as a testament to our commitment to religious harmony and communal unity.

During Christmas, students and faculty of various religious backgrounds come together to decorate the campus with lights and festive ornaments. The spirit of giving is fostered through charity highlighting the universal message of love and compassion.

Similarly, Pongal showcases the cultural diversity within our institution. Students partake in traditional rituals such as cooking Pongal, decorating with kolams, and engaging in folk dances. This celebration not only honors the agricultural heritage but also promotes understanding and respect for South Indian traditions among the student body.

Onam is celebrated with great enthusiasm, transcending religious boundaries. The campus is adorned with floral decorations, and students participate in cultural performances like Thiruvathira dance and Pulikali. The spirit of Onam, emphasizing equality and harmony, permeates throughout the institution, fostering a sense of belonging and unity among all.

These celebrations serve as educational opportunities, enriching students' understanding of diverse cultures and promoting values of tolerance and inclusivity. By embracing each other's traditions, our institution cultivates a welcoming environment that celebrates the beauty of religious diversity while nurturing communal harmony among its members.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:	
<p>The institution has taken proactive measures to sensitize both students and employees to their constitutional obligations, encompassing values, rights, duties, and responsibilities of citizens. Integral to this effort is the inclusion of the Indian Constitution in the curriculum, specifically addressed through the subject code 19MC004. This module provides students with a comprehensive understanding of the constitutional framework, ensuring they grasp their rights as well as the corresponding duties and responsibilities towards society.</p> <p>Furthermore, the subject 19GE701, focusing on Professional Ethics and Human Values, has been incorporated into the curriculum. Through this course, students delve into ethical principles governing various professions, instilling in them a sense of integrity, honesty, and social responsibility essential for their future careers.</p> <p>Moreover, the institution places significant emphasis on research ethics among faculty members, ensuring that academic pursuits align with ethical standards. This ensures the integrity and credibility of research outputs while fostering a culture of honesty and respect for intellectual property rights.</p> <p>Overall, these initiatives underscore the institution's commitment to nurturing responsible citizens and professionals who uphold the values enshrined in the Indian Constitution and adhere to ethical principles in their personal and professional lives.</p>	
File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

<p>7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized</p>	<p>A. All of the above</p>
---	-----------------------------------

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

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

The institution actively engages in commemorating both national and international observances, fostering a culture of awareness, inclusivity, and global citizenship among its members.

Throughout the academic year, the institution celebrates various national commemorative days such as Independence Day, Republic Day, and Gandhi Jayanti. These occasions are marked by flag hoisting ceremonies, patriotic speeches, cultural performances, and community service initiatives, reaffirming the spirit of unity, freedom, and diversity among students, faculty, and staff.

In addition to national events, the institution also acknowledges and participates in international observances and festivals. Events like International Women's Day, World Environment Day, and International Day of Peace are commemorated through seminars, workshops, awareness campaigns, and service projects that highlight global issues and promote sustainable practices, gender equality, and peace-building efforts.

Furthermore, cultural festivals from around the world are celebrated, offering students the opportunity to learn about different cultures, traditions, and perspectives. Events like Diwali, Christmas, Eid al-Fitr, Chinese New Year, and Thanksgiving are embraced through cultural performances, food festivals, and educational activities, fostering cross-cultural understanding and appreciation.

These celebrations serve as platforms for promoting diversity, tolerance, and solidarity, enriching the educational experience and nurturing a sense of belonging and global citizenship within the institution community.

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

7.2 - Best Practices

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

Best Practice 1:

Title: Career Tracks - Comprehensive & Holistic Career Development Program

The Practice:

Track I - Employment

Track II - Entrepreneurship

Track III - Higher Education

Track IV - Government Jobs

Outcome:

- Increased entrepreneurial ventures initiated by students,

leading to job creation and economic growth.

- Higher placement rates and improved employability skills among graduates in leading companies.

1. Track - I: Employment

As of 2022-2023, the SNS College of Engineering has a strong placement scenario, with 252 students from various departments taking part.

1. Track - II: Entrepreneurship

A number of students enrolled in the entrepreneurship career track are achieving noteworthy success in a variety of endeavours. Anifa Travels was successfully founded by Mohamed Fazil A , who now boasts over 25 regular clients throughout all of India. Kanakaraj P is a farmer who practices drip irrigation and organic farming on a large 15-acre banana plantation.

1. Track - III: Higher Studies

5 students have taken their admission in post graduate studies in national and international university. Two students are qualified with IELTS score and will be applying for admission in Germany and Australia.

1. Track - IV: Government Jobs

11 Students are pursuing their preparation for TNPSC Group I and UPSC exams.

Best Practice 2:

Title: Spine X

Goal: The goal of the Spine X programs is to holistically prepare students for the dynamic professional landscape by offering a comprehensive set of 22 modules encompassing vital skills which aim to equip students with multifaceted skills and experiences crucial for success in diverse career paths.

File Description	Documents
Best practices in the Institutional website	https://bitrix24public.com/sns.bitrix24.in/docs/pub/41ad9a1b8f774125c0f1e846b4088a18/default/?&
Any other relevant information	https://snsce.ac.in/dtcurriculum/

7.3 - Institutional Distinctiveness

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

Design Thinking (DT) is at the core of our approach to holistic development in education. Recognizing the urgent need for change in education towards focusing on human potential and talents, we have structured our framework around DT principles. This approach not only builds character and skills but also nurtures curiosity, which we believe is key to our distinctiveness.

Through DT, we prioritize delivering quality education by creating effective learning environments and fostering innovation to address real societal needs. SNS College of Engineering is proud to be a member of the Global Design Thinking Alliance (GDTA), spanning 19 countries and 5 continents. We are the first higher educational institution in India to be connected with GDTA, and we have developed a curriculum that immerses students and faculty members in solving real-world complex problems.

Our DT-based curriculum is designed to transform teaching and learning. The SNSCE Center for Learning and Teaching (CLT) is dedicated to inspiring and supporting best practices in education, promoting engaged, effective, student-centered, and lifelong learning. The CLT establishes robust systems for teaching methods and procedures, providing rigorous training for teachers to practice DT methodologies. Faculty members, based on their expertise and experience, develop DT-based lesson plans and delivery strategies tailored to each subject. This ensures that our educational approach is dynamic, innovative, and responsive to the needs of our students and society.

File Description	Documents
Appropriate link in the institutional website	https://bitrix24public.com/sns.bitrix24.in/docs/pub/878828cb6c010c44d15b3a5e876b6765/default/?&
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

The institution has outlined strategic initiatives to enhance its overall performance:

1. ****NIRF Ranking Improvement****: Implementing measures to boost ranking in the National Institutional Ranking Framework (NIRF) through academic excellence and infrastructure development.
2. ****Student Startups****: Encouraging entrepreneurship among students to increase the number of startups and foster innovation.
3. ****Research & Development****: Establishing an Advanced Center of Excellence dedicated to research and innovation.
4. ****Smart India Hackathon (SIH)****: Actively participating and excelling in the Smart India Hackathon to showcase problem-solving capabilities.
5. ****Industry Integrated Courses****: Introducing specialized courses in emerging fields to align students' skills with industry needs.
6. ****Research Culture****: Promoting research activities among faculty and students, encouraging publication in reputable journals.
7. ****Academic Partnerships****: Strengthening collaborations with leading industries to enrich academic offerings.
8. ****Consultancy Services****: Generating revenue through consultancy to industries and public organizations.
9. ****Holistic Learning Environment****: Integrating academics with co-curricular activities and sports for holistic development.
10. ****Industry/Capstone Projects****: Ensuring full participation in industry projects, focusing on innovation.

11. ****International Placements****: Striving for high-quality international placements, mirroring domestic success.

These initiatives collectively aim to propel the institution towards academic excellence, innovation, industry engagement, and holistic student development.