YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	SNS COLLEGE OF TECHNOLOGY
• Name of the Head of the institution	Dr.S. CHENTHUR PANDIAN
• Designation	PRINCIPAL
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	7550316704
• Alternate phone No.	9443791005
• Mobile No. (Principal)	7550316705
• Registered e-mail ID (Principal)	principal@snsct.org
• Address	SNS Kalvi Nagar, Sathy Main Road, Saravanampatti Post, Coimbatore
• City/Town	Coimbatore
• State/UT	Tamil Nadu
• Pin Code	641035
2.Institutional status	

• Autonomous Status (Provide the date of conferment of Autonomy)	17/08/2012
• Type of Institution	Co-education
• Location	Urban
• Financial Status	Self-financing
• Name of the IQAC Co-ordinator/Director	Dr. R. Rajasekaran
• Phone No.	7550316701
• Mobile No:	9698891301
• IQAC e-mail ID	iqac@snsct.org
3.Website address (Web link of the AQAR (Previous Academic Year)	https://drive.google.com/file/d/1nz9ZMG-yPWeMbwy3RvQ91uRN-uN8R_1L/view?usp=sharing
4.Was the Academic Calendar prepared for that year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	https://bitrix24public.com/sns.bitrix24.com/docs/pub/e8b0a68c789503347878aecde8281c2d/default/?&

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.02	2012	05/07/2012	04/07/2017
Cycle 2	A+	3.51	2017	12/09/2017	11/09/2022

6.Date of Establishment of IQAC	15/09/2012

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

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
AICTE	FDP on Convergence of IOT, Big Data and Machine learning towards next generation applications	AICTE	03/03/2021	450137
Indian Council of Philosophical Research (ICPR)	One day national seminar on Sculpturing Engineer's Socio Cultural Competence – Engineering Ethics	ICPR	22/09/2021	30000

AICTE	STTP on Big Data Analytics for Industrial Automation	AICTE	12/01/2021	234483

8.Provide details regarding the composition of the IQAC:

• Upload the latest notification regarding the composition of the IQAC by the HEI	**View File**

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

• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	Yes

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

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

IQAC has framed 5 pillar activities for both Faculty members and students and target/benchmark is fixed in each pillar for effective implementation. The targets are monitored and audited every month for quality enhancement and sustenance. 5 Pillars namely: i. Centre for Learning and Teaching (ICT enabled and Activity based Learning) ii. Centre for Creativity (Research, Innovations and Entrepreneurship) iii. Industry Institute Partnership Cell (Internship/ Inplant Training, MoU and Placement) iv. Skill and Career Development (Training, Hackathon /go kart/ekart) v. Social Responsibility Initiatives (Extension) 2. Design Thinking based Curriculum framework an iterative process / methodology is incorporated in the essentials like curriculum, Teaching Learning process and other innovation activities. 3. Industry and University collaboration activities like ARIIA / ATAL, AICTE CII Survey, The Week Survey, Career360Ranking, India Today ranking, AICTE Startup Policies for Training, Research, Placements, Entrepreneurship, Smart India Hackathon were established by various linkages with them. No. of Linkages: 267 MoUs: 161 4. Numerous capability building programs for both the students and faculties were organized in association with many professional bodies and industries. (No. of Programmes organized: 202) 5. Various policies and procedures of AICTE/UGC/MHRD were disseminated by the IQAC pillar by its continuously working and effective implementation is done. IQAC also showed its immense level of hard work in collecting the qualitative and quantitative data from every units of all the departments and institution by which various accreditations and rankings are applied.

12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
To improve the academic results and Placement	Graduation : 94.9% Placement : 85%
To enhance Quality in Teaching methodologies	Design Thinking based delivery methods, Online delivery by all teachers, Interactive online tool for class room delivery (Greatlearning), Methodologies adopted: Industry Cases, Role Play, Mind-mapping, Debate, Brainstorming, Demo Models, Think pair share, Simulations, Videos etc, Student engagement techniques: Quiz, mind games, puzzles, online tools(Kahoot, Plickers etc)
To improve Innovation and creativity of Students	Design Thinking Workshops to Students, Students Exchange /summer internship @ IITs, Research Paper Publications : 48, Conference Proceedings: 184, Symposia: 80, Industrial visits :45, Inplant Training: 687 Students
To Enhance Industry	9 Startups are Established, No. of Functional MoUs : 162 [35 New], Outcome of MoUs : Industrial Project/

Institute Collaborative Activities	Consultancy/ IPT / Internships / Faculty Training etc, Placement : 85%, Internship: 548, Industrial Projects: 275, Notable MoU with Industries: Carevium, Inc, USA, AIMST University, Malaysia, Thulliam Info Tech Pvt Ltd
To Conduct more national level Conferences/ seminars/workshops by all departments.	International Conference Organized: 2: National Conferences Organized: 10; Webinar/Workshops/Seminars: 495; Guest Lectures: 92; Faculty Development Programmes: 8
To augment Quality International Journal Publications by faculty	Papers published in International Journals: 192; Papers presented in International Conferences : 35; Scopus: 105; Web of Science: 28
To improve Filing of Patents /copyrights	Patents Published: 17; Design Patents Granted: 2
To conduct Internal & External Academic Audit, Log book Verification	Internal Audit : Once in a Semester External Audit: Once in a Year Log Book Verification: Fortnight by Heads
To apply for ranking and grading by renowned organizations	Participated in AICTE-CII Survey 2020 Gold Ranking, AICTE-CII, 2020; Received 114th Rank in The Week-Hansa Survey 2020; MoE - IIC ranking got 5 star in 2020; ATAL Ranking secured band A and rank placed in between 6-25 in 2020; India Today Ranking: 4th Place in Zonal level, 118th place in overall; Careers360 ranking: AAA+ rating under best engineering college category

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

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Council	23/08/2021

14.Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
2021	08/12/2021

15.Multidisciplinary / interdisciplinary

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.

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.

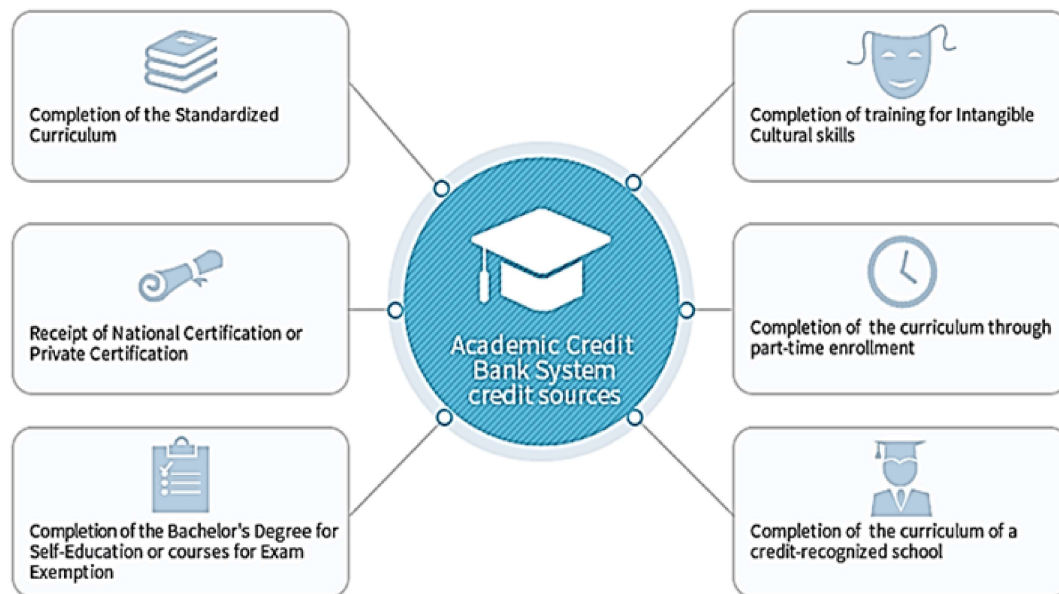Multidisciplinary / interdisciplinary approach in Curriculum

- 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

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 (3.51 score), It can offer courses to student of other institutions to earn credits.

1. 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.
2. It will enable students to choose the best courses/combination of courses to suit their interest.
3. It will enable students to select the best departments or institutions or their combination to suit their interest
4. It will allow students to make specific modifications/specialisations to their degree programmes rather than undergoing the regularly prescribed degree/courses.
5. It enables multiple entry-multiple exit scheme for students to complete their degrees as per their time preferences.
6. It provides mobility across various disciplines like Degree, Diploma, PG Diploma, Certificate programmes.
7. It facilitates lifelong learning amongst students in full time and part-time modes.
8. It will maintain academic records and issue an official transcript. This transcript will be recognised by all the member-universities of ABC.
9. 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 devlop 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 Technology 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 2013.

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 SNSCT 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 Technology 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.

SNSCT 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 inMassive 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 Number of programmes offered during the year:	20

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

2.Student

2.1 Total number of students during the year:	3444

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

2.2 Number of outgoing / final year students during the year:	1102

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

2.3 Number of students who appeared for the examinations conducted by the institution during the year:	3444

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

3.Academic	
3.1 Number of courses in all programmes during the year:	1320

File Description	Documents
Institutional Data in Prescribed Format	View File

| 3.2

Number of full-time teachers during the year: | 254 |

File Description	Documents
Institutional Data in Prescribed Format	View File

| 3.3

Number of sanctioned posts for the year: | 250 |

4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	923
4.2 Total number of Classrooms and Seminar halls	73
4.3 Total number of computers on campus for academic purposes	1150
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	561.52

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 designed to ensure that the students have the required domain knowledge, skills and attitude. The factors considered for design of curriculum are:

(i) Syllabus of various reputed Indian and International Universities

(ii) Model curriculum prescribed by AICTE, AU and UGC

(iii) Guidelines of professional bodies,

(iv) Suggestions by industry experts and alumni,

(v) Syllabi of various exams like GATE, IES, etc,.

The designed curriculum adopts Choice Based Credit System (CBCS) following Outcome Based Education. The curriculum is categorized into Basic-Sciences, Humanities Social-Science and Management, Engineering-Sciences, Professional Core, Electives, and Employability-Enhancement Courses.

The stated POs, PSOs and COs reflect the local, regional and global needs, which are reflected in the curriculum of all the courses. The curriculum is designed and developed uniformly by introducing Open electives, Value added courses, Design Thinking and Innovation, Additional Languages (German/Japaneses/Hindi), Internships, Tools & Technology courses, Blended courses, Universal Human Values, Indian Constitution, Environmental Sciences and Essence of Indian Traditional Knowledge.

Non Academic courses such as Extension activities, NCC NSS, YRC RRC also contribute to the above. Mini Projects are done based on the local needs. The students upgrade their knowledge by undergoing MOOC courses through NPTEL and SWAYAM to have global competency.

File Description	Documents
Upload additional information, if any	**View File**
Link for additional information	**https://snsct.org/coe/**

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

20

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

1235

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

1.2 - Academic Flexibility

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

74

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

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

20

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

1.3 - Curriculum Enrichment

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

The vital issues of modern society are environmental issues, gender inequality, declining of human values and professional ethics, inadequate knowledge of our cultures and traditions. In order to enlighten the above cross cutting issues, the curriculum carries mandatory courses such as Indian Constitution, Essence of Indian Traditional Knowledge, Professional Ethics & Human Values and Biology for Engineers.

The environmental issues such as climatic imbalances, global warming, pollution, acid rain and holocaust are also cautiously addressed in courses like environmental Engineering, Engineering Geology, etc which addresses the issues such as water conservation, earthquakes, floods, nature-care, and pollution.The course on Professional Ethics & Human Values provides knowledge on moral ethical and human values and the basics of human rights. Courses like Green Technologies, Industrial Waste Management, Renewable energy, Disaster Management are also contributing for the same. Courses related to Gender such as Holistic Education is also incorporated in curriculum.

Research methodology and teaching pedagogies are incorporated to impart research and teaching skills, so as to meet their career needs. "Human Resource Management", course measures the effectiveness of employees' performance assessment and development practices. The integration of cross-cutting issues into our curriculum infuses absolute humaneness in students and makes them a worthy citizen.

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

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

60

File Description	Documents

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

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

3017

File Description	Documents
List of students enrolled	**View File**
Any additional information	**No File Uploaded**

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

3102

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	**https://sns.bitrix24.com/~K6WMk**
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://sns.bitrix24.com/~K6WMk**
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

920

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)

675

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

2.2 - Catering to Student Diversity

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

Assessment of Learning Levels:

The learning levels of students are identified through classroom observations, performance in internal assessment tests and previous examination results and interactions. During the induction, program level assessment tests are conducted based on which slow and advanced learners are categorized.

Activities for Slow Learners

After the regular class hours remedial classes are conducted for slow learners and also special classes conducted for those who failed in semester examinations. The classes are conducted for the students after working hours so that regular academic schedules remain unaffected. Special attention given during practicals and tutorials. Special classes are conducted in Mathematics for Lateral Entry students. Tamil medium students are given a foundation course in English through the Easy English module. Motivation lectures and Psychological counselling are also given for the needy students.

Activities for Advanced Learners

Given the privilege of completing all the courses in advance under FastTrack systemand allow them for internship during final semester. Students are encouraged to take up SWAYAM - NPTEL courses,participate in Competitions like Smart India Hackathon, Code Contest, Gokart etc. take up small industrial projects. They are also moulded to publish papers in peer reviewed Journals, patents and initiate start-ups.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2021	3444	254

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 believes in the adoption of student centric teaching methods to enhance student involvement as a part of participative learning and problem solving methodology. This also includes Experiential Learning.

The undergraduate students' experiential learning is ensured with the help of Theory integrated Practicals, 3 Mini Projects, 2 Internship/In-plant Training and a Cape-stone Project in two phases for UG Students. Similarly, PG students have an opportunity to do 2 Mini Projects, an Internship and an Industry Project Work. In addition, experiential learning is ensured with the support of the virtual labs, working models, Industrial Projects, blended learning and simulation labs.

Students' active participation in learning inside the campus is ensured with the support of various activities such as group discussion, brainstorming, role play, peer group learning, flipped classroom, etc. Participation and showcasing the students' talents in top industrial contests such as Code Debugging, Hackathon, Ideathon, Go-Kart/E-Kart, CodeVita, Mitsubishi Electric Cup, Smart India Hackathon and Hacker rank are the student-centric approach followed to ensure the participative learning and also to increase the problem solving ability of the students.

To enhance learning experiences, different student engagement techniques like tutorials, case-studies, simulations, laboratories, Group Assignments are also practiced.

File Description	Documents
Upload any additional information	**View File**
Link for additional Information	**http://snsclt.in/index.php/innovationcase-studies/overview**

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

SNSCT 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 WiFi 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 WiFi 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 Catalog 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, National Digital Library, NPTEL.

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

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

2.3.3.1 - Number of mentors

223

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

Academic calendar is drafted by a committee and after approval published a week before the commencement of classes.It includes the code of conduct, list of faculty members, programmes offered, curriculum of all programmes and academic schedule for the year. The academic calendar is updated annually so as to provide current information to the students and faculty members. The academic schedule is prepared every semester which contains reopening date, last day of class room instructions, schedule of internal test, end semester examinations, holidays, Guest lecture/seminars planned etc. Department Academic calendar is also prepared for effective planning. Timetable is prepared before the start of a semester which incorporates Theory, Lab, tutorial hour, library hour, seminar hour, sports, etc. Each faculty member prepares a lesson plan at the beginning of the semester. The lesson plan consists of Topics to be covered with hours required, Teaching aids, Method of Instruction, Text/Reference books, Content beyond syllabus. The lesson plan prepared by the faculty member is duly verified by the HOD and forwarded to the Principal for approval. Continuous monitoring is done by the department academic coordinator, HOD and IQAC to ensure that classes are handled as per the Lesson plan prepared by the faculty.

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

254

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

74

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)

1506

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

10

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

6

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

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

Examination Management System (EMS)

Effective Examination Management System (EMS) is in place for planning and executing the conduction of examinations, assessment and declaration of results by the Examination cell.

IT Integration in examination System

- **Students are given with username and password to access their attendance and internal marks / external grades.**

- **Verification of certificates via exclusive portal.**

- **Software supports uploading of online questions, Question paper collections, communication of Examination fee, Generation of examination application, Examination time table, digital numbering, galley preparation, Conducting of online examination list of absentees, consolidated statement of absentees, Mark entry of continuous internal assessment, uploading of Mark entry, preparation of Mark sheet.**

Examination Reforms

- **Online Examination system for both Internal Assessment and End Semester Examination**

- **Proctored Online Examination**

- **The components of internal assessment are written test and Co-curricular activities such as MCQs/ Assignment / Presentation /Project / Innovative work /Attending conference, workshop Seminar / Online Courses/Case Study, etc.**

- **External scrutiny of question papers for the end semester examinations.**

- **Cross verification of valued answer scripts.**

- **Application oriented questions are made mandatory in the question paper**

- **Encoding and decoding (dummy number system) of answer booklets for unbiased evaluation**

File Description	Documents
Upload any additional information	**View File**
Paste link for additional Information	**https://snsct.org/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

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. The syllabus for all courses is framed by the faculty members based on their expertise and passed in the Board of Studies.Programme Advisory Committee is constituted withfaculty members, stakeholders like Industry Experts, Subject Expertsand Alumni are members. The targets and attainment of Programme Outcomesand Courseoutcomesare discussed in the meeting.

The POs and COs are disseminated to the students by the following methods:

- **Syllabus with POs and COs are displayed in 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 importance of POs and COs are deliberated to students by means of regular interaction.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	**View File**
Upload any additional information	**No File Uploaded**
Link for additional Information	**https://snsct.org/#b12420**

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

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. 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 contributions of COs are assessed in high, moderate and low levels which in turn contribute towards the attainment of POs/PSOs. The CO attainment is also assessed directly through Semester-end Theory Examinations where the questions are framed pertaining to all COs, in varying Blooms Taxonomy Levels.

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.

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

2.6.3 - Pass Percentage of students

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

1045

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	https://drive.google.com/file/d/1ou8Nat5ixY4pZi1i7HhYwAGQ8-wEyO5S/view?usp=sharing

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://sns.bitrix24.com/~UV6S6

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

The institute provides necessary infrastructural facilities and research environment to promote research activity in the campus. The college has constituted a Research and Development Cell which regulates all the academic and collaborative research projects and consultancy works.

Research Centers are established in various departments with necessary software and computing facilities for carrying out research activities. Anna University has recognized the following five departments as Research Centers – CSE, EEE, ECE, CIVIL & MECH.

The college has signed MoUs with International Universities such as AIMST University, Malaysia, Edex Academy, New Zealand, Cademium Inc, USA. The College has established "iHub Centre" to promote research and innovation, which provides an opportunity to express

research talent among faculty and students. International Conference is conducted every year to inculcate the research interests among faculty and students.

The College encourages faculty and students to promote research by supporting in the following ways:

- Seed money and financial support for research works, paper publications

- Establishment of research laboratories and subscription to E Journals

- Revenue sharing for consultancy works

- Encouraging Faculty for publishing the results in Scopus and web of Science indexed Journals

- Motivating faculty to get research grants from Governemnt and Non Government funding agencies

- Industry supported Labs

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://bitrix24public.com/sns.bitrix24.com/docs/pub/561b2525afeed02ecda3080fb8763776/default/? &
Any additional information	No File Uploaded

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)

8.80

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

6

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

3.2 - Resource Mobilization for Research

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

19.81

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

3.2.2 - Number of teachers having research projects during the year

20

File Description	Documents
Upload any additional information	**View File**
Paste link for additional Information	**Nil**
List of research projects during the year	**View File**

3.2.3 - Number of teachers recognised as research guides

24

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

9

File Description	Documents
Supporting document from Funding Agencies	**View File**
Paste link to funding agencies' website	**http://www.tanscst.nic.in/pdf/SPS-2021-22-ET.pdf**
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 College of Technology has an exclusive eco system which encourages the students to be creative. SNS iHub is the noble initiative that fosters startups where Design Thinking as an ignite engine. "Outbox Creations", "Thulliam" and "The Reciprocal Solutions" are the innovative startups under SNS iHub by the students serving with product / service development, website development and technical support. Incubation centers are also established in the area of IoT, Web Applications for product/application development

The following Centres are established to support innovation, entrepreneurship and venture development.

- Centre-of-Excellence in the field of Robotics Process Automation (BOT LAB) — in association with "Automation Anywhere University".

- SNS IBI LIQUID STUDIO - innovative projects such as Automatic Duster for Black Board, App for Physiotheraphyare displayed as a prototype/product

- 24 x7 Lab- 24 hours a day and 7 days a week, students can conduct lab experiments, this is a separate lab for creating components, e vehicles, Go Kart Vehicles for competitions and projects.

- VLSI Research Lab in collaboration with Entuple Technologies.

- Electric Drives and Control Lab in collaboration with Megatech.

- Advanced Process Control Lab in collaboration with Apex Technologies.

- IOT Lab in collaboration with Andes Technologies, Taiwan.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://snsct.org/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

49

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

3.4 - Research Publications and Awards

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

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

7

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

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

0.22

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

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

0.56

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

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

3.4.5.1 - Total number of Citations in Scopus during the year

812

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

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

3.4.6.1 - h-index of Scopus during the year

18

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

3.5 - Consultancy

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

14.69

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

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

Rs.1.74 Lakhs

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

3.6 - Extension Activities

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

The College sensitizes its faculty members and students on Institutional Social Responsibility activities through structured forums like NSS, NCC, YRC, RRC, SRI and Clubs and Societies. Departments also undertake community and social beneficial activities like organizing community development programmes; Employment oriented training, Entrepreneurship Development, etc. Social responsibility programmes are designed in such a way that the students get adequate exposure to the realities of life and realize their responsibilities. All the students shouldenroll in any one of the extension activities and earn at least one non academic credit by undergoing 24 hours of training.

Various extension activities are organized to enhance theknowledge, skill and attitude of the students. Developing interpersonal skills, leadership, responsibility, ethical behaviour and teamwork skills, and managerial skills through these extension activities complement their academic learning experience. The extension activities like Awareness on road safety, fire Safety, Helmet safety, plastic pollution and Fuel Usage made the students to realise the environmental and safety issues of our community. Reduced usage of plastic bags has been witnessed among the students. Camps such as Blood Donation, Sapling plantation, Swatch bharath and Seed Ball making developed social and emotional bonding with the environment among the students.

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

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

6

File Description	Documents

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

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

56

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

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

3444

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

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

821

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

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)

30

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The college ensures adequate availability of physical infrastructure for the teaching learning. Every academic year, infrastructure facilities are enhanced to cater the needs of new programmes and technology advancements.

The College is housing sufficient numberof classrooms(75), Tutorial rooms(15), Laboratories(95), Computer centers(2), Language Labs, Workshops, Seminar halls(3), IQAC&COE office, Centralized library with reading halls, Department Libraries, Placement cell, Staff rooms, R&D cell and IIP cell etc. All rooms, auditorium, library and labs are well furnished and equipped with good quality furniture. Class rooms are equipped with Smart boards / LCD projectors, black board and audio-video facilities. The College has more than 1200 high configuration computers with LAN and UPS facilities. The entire campus is Wi-Fi enabled with 24-hour internet. All laboratories are well-equipped with latest equipment over and above the AICTE/AU requirements.

The college is spread over 10.13 acres with 9 academic blocks with 2 Hostels for Boys and 1 Hostel for girls, Food Court, Amenity Centre, and other essential facilities. For medical facilities part-time doctor, residential nurse and2 ambulances are available. In order to support physical and mental fitness, Gymnasium, Yoga and Meditation Centres are available. The entire campus has uninterrupted power supply by 850 kVA generator

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

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

SNS College of Technologyfocuses on the holistic development of students. To ensure this, well-equipped infrastructure and special facilities are provided for sports and cultural events. Quality sports facilities are available in the campus for Indoor games (shuttle, ball-badminton, Chess, Carom) Outdoor sports (Basket-Ball, Volleyball, Kho-kho, Cricket, Handball, Kabadi, Shuttle). SPINE a four floored, elevator fitted massive building which is a comprehensive indoor activity centre is established with swimming pool, indoor cricket pitch with automatic bowling facility, Gym, Billiards, Air hockey, Foo's ball & Hand soccer.

The College has facilitated the music club with musical instruments such as base guitar, acoustic guitar, electric guitar, Tabla, drums, electronic keyboard. In addition, a sophisticated mini theatre, Music and recording studio, Dance Studio, Creative art room is also available. A separate Yoga hall for yogic exercises and a divine Ganesh temple for worship and meditation.

The College has Act On Dream club which houses many clubs such as Team Hype (Sports, Music, Dance, Drawing, Photography, Reading), Triple Helix (Photoshop, Soft skills, Communication Skills, Programming Language, CAD / CAM, Multimedia, Web Designing, MATLAB, App. Development) for students' overall development.

An Open Auditorium with seating Capacity of 6,000 viewers is present for all cultural activities.

File Description	Documents
Geotagged pictures	**View File**
Upload any additional information	No File Uploaded
Paste link for additional information	https://snsct.org/studentslife3/

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

75

File Description	Documents
Upload any additional information	No File Uploaded

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)

158.806

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

4.2 - Library as a Learning Resource

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

The Central Library is housed in a separate, fully furnished block and has an adequate stock of books, magazines, National & International journals, e-journals,etc.

The library is fully automated from the year 2003 making it a perfect digital library. The software used in the library is LIPS-I-Net (Version 5.0.100) from M/sDolphin Software Solution, Coimbatore. The library has its own sub-LAN consisting of 20 terminals, one server to support library software, OPAC services, and other in-house computerization activities. Acquisition, Cataloguing, Circulation, Frequency of Visiting, time in-out log records, duplicate checking, Maintenance of Accession register, is well organized through this software. Barcode technology speeds up the transactions. Computers are used for browsing, checking availability and status of books. The books are encoded, catalogued and computerized according to the new technology system in order to meet the rapid growth of visitors and researchers. ILMS of SNSCT is built to enhance the total library experience through value added features and services. The special features of the software are Stock Verification, Members due list, Reservation Hierarchy, etc. The resources maintained by the library are Books, EBooks, e-journals, Project Report, Back Volumes, DELNET, IEEE, NPTEL Videos. The software is under regular AMC from 2007 onwards.

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

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

A. Any 4 or more of the above

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

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

16.12

File Description	Documents
Audited statements of accounts	**View File**
Any additional information	No File Uploaded

| Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template) | View File |

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

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

732

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

4.3 - IT Infrastructure

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

SNS College of Technology has an IT policy to address standards on IT Service Management, Information Security, Network Security, Risk Management and Software Asset Management.

1. IT Service Management:

The college has an exclusive Computer Maintenance Cell (CMC) under the supervision of Department of Computer Science and Engineering. The team consists of system administrators and network maintenance engineers who take the following responsibilities for maintaining all the computers, peripherals and Networking.

- Establishment of laboratories

- Campus-wide installation and maintenance

- Internet and Wi-Fi maintenance

- Conduction of online examinations

2. Information Security & Network Security

- The college's private LAN is entrusted with a firewall.

- The college has an intranet and internet facility with firewall security.

- snsct.org domain mail id provided to reduce the risk of being hacked.

- Licensed Anti-virus installed which prevents virus, Trojans, worms, malware and other attacks.

3. Risk Management

- Uninterrupted Power Supply

- Regular data backups to ensure no loss of data.

- Insecure and untrusted websites are blocked to prevent malicious activities.

- Linux OS is used for browsing, copying files and folders to avoid transfer of threats.

4. Software Asset Management

- Sufficient Budget is allotted for updating the IT facilities. Software purchase and renewal is done whenever deemed to be necessary.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3444	1150

File Description	Documents
Upload any additional information	View File

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

A. ≥50 Mbps

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

4.3.4 - Institution has facilities for e-content development: 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	No File Uploaded
Paste link for additional information	https://www.youtube.com/watch?v=7wbP-K3BIEk
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)

256.77

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

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

computers, etc.

The college has established a clear system and procedurefor maintainingphysical, academic and supportfacilities. A faculty incharge and a technical staff monitor for routine and periodic maintenance and functioning of equipments 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 class room is enabled with ICT facilities vizcomputers 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 plumbing problems are addressed immediately and maintained diligently

File Description	Documents
Upload any additional information	**View File**
Paste link for additional information	https://bitrix24public.com/sns.bitrix24.com/docs/pub/05e6d4c4273183239923effa7adee807/default/?&

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

1374

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

210

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://snsct.org/placement3/**
Details of capability development and schemes	**View File**
Any additional information	**No File Uploaded**

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

3444

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	**View File**

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

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

5.2 - Student Progression

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

948

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

41

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

34

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

14

File Description	Documents
e-copies of award letters and certificates	**View File**
Any additional information	**View File**

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

The College creates a platform for the active participation of the students in various academic, non-academic & administrative bodies of the Institution. This empowers the students in gaining leadership qualities, team-work and committment to the Institution. Each department has a student association and the constitution is as follows: The Head as mentor, one faculty advisor who guides in organizing the event, one faculty advisor who guides in managing the funds, Secretary, Joint Secretary, Treasurer, and Executive Members constitute the department association. The activities include arranging guest lectures, workshops, etc.Clubs are functional in the College with members from varios departments which help the students to exhibit their talents.

The students are involved as members in the following academic and administrative bodies.

- Class committee

- Internal Quality Assurance Cell

- Hostel Mess Committee

- Anti-Ragging Committee

- Entrepreneurship Development Cell

- Training and Placement Cell

- ISTE, IEEE, SAE & IE(I) Students Chapters

- Youth parliament, MUN, AOD Clubs

- Grievance Redressal Committee

- Library advisory committee

- Sports Committee

The students are encouraged to represent their views and suggestions of the entire class in all the committee meetings.

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

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

9

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

5.4 - Alumni Engagement

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

TheSNS College of Technology has a registered Alumni Association under theRegistration Act, 1975.

The stronger the network of alumni, the greater is the impact. Senior batch alumni return to the campus to deliver guest lectures, provide mentoring, participate in campus placements process, etc.

Alumni members also represent in the board of studies of all boards and contribute in framing the curriculum and syllabi offered by the college.

The college has initiated a focused effort to strengthen the alumni network. Presently, there are 10418 alumni. The vast alumni database is made up of engineering professionals, who work for some of the best MNCs of the world.

We are keen on strengthening the alumni network through the following alumni activities:-

- Facilitate visit to the campus
- Guest Lecturer / Visiting Faculty
- Campus Recruiter
- Explore industry-academia collaboration like research, projects, consultancy, etc.
- Mentor to juniors regarding their careers
- Industrial Collaborations, Internships, In plant training
- Chapter opening assistance in other places
- Awarding renowned Alumni

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

The management of the college, lead by our Chairman and Correspondent at the top most level followed by the Technical Director, give progressive leadership to the administrators of the institution namely the Director, Principal, Controller of Examination, Deans, Heads of Department, Class Advisors and Tutors to march forward to attain the mission and vision of the college.

Effective leadership is reflected in involvement through reinforcing culture of excellence, fostering competencies and inculcating a value system among students, promoting technology and quest for excellence in Development of Management Systems, implementation, and continuous improvement.

The organization's management system includes high level committees of the college to take care of all Academic and other activities. The Director and Principal disseminate the plans proposed and the methods of implementation to the Heads in regular HoD meetings. The HoDs conduct meetings to ensure proper implementation of the plans proposed. The two way communication is ensured in the college by ensuring that all decisions made at HoDs meetings are based on inputs received from the faculty members. Such decisions are then communicated back to them for effective implementation

Continual improvement is ensured through regular systematic audits, checks, and monitoring by well-defined quality assurance methods.

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

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

The college always promotes a culture of participative management to ensure transparency in both academics and administration. The Principal is the head for all academic and administrative functions. He takes decisions after deliberations and discussions with Heads of the Department and incharges andimplement the decisions after consulting with the Governing Council. The Heads of the Departments conduct periodic meetings with the faculty members and their suggestions are carried to the Headmeeting for discussion and approval which ensures faculty members to take part in the academic and administrative matters of the College. For instance, introduction of a new self-appraisal format was discussed with all faculty members, Heads, Principals and based on that it was fine-tuned and approved by management. Similarly introduction of various clubs was discussed at various levels and based on students input it was finalized.

The members of the management also take part in academic committee meetings to invite suggestions from various heads. The department level administrations are decentralized so that HoDs can make decisions at their level. Faculty members are also members in the

Governing Council, Academic Council, Board of studies, IQAC, etc which allow their participation in decision- making at the higher levels. Students are also members in various college level committees.

File Description	Documents
Upload strategic plan and deployment documents on the website	**View File**
Upload any additional information	No File Uploaded
Paste link for additional Information	https://sns.bitrix24.com/~XyNDZ

6.2 - Strategy Development and Deployment

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

The college is having a practice of drafting the strategic plan for every 10 years. It is developed with the stakeholders, both internal and external participation. The plan mainly covers Curriculum Development, Teaching Learning, Research, Infrastructure Augmentation, Student Admission, Human resource Management, etc.

Every year perspective plans are prepared by both the college and the departments to have the goal and the road map for attaining the targets. To mention, we have a strategic plan of having a world class curriculum. To attain, this we have made severalchanges in the curriculum to attain the plan. In the curriculum developed in 2019 we have introduced Design Thinking based Curriculum which is a very new approach in Engineering education. Based on this concept our Curriculum Structure, Framework, Syllabi and assessment are designed. Another strategic plan is to have more number of Industry tie-ups which will help in acquiring Internship, Project, Industrial Visits, Research and Consultancy assignments. This has been effectively implemented in the years and a considerable number of industry collaborations have been taken up. We have 65 functional MoUs, nearly 60% of students have gone for industrial training andevery teacher has linkage withtwo companies related to their field.

File Description	Documents
Strategic Plan and deployment documents on the website	**View File**
Paste link for additional information	https://sns.bitrix24.com/~XyNDZ
Upload any additional information	No File Uploaded

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

Hierarchical governance is established from top management to bottom level clearly demarcates the Duties, Responsibilities, Accountability and Authorities at every stage. We have a powerful Governing Council to monitor and achieve the vision and mission of the institution. The Statutory Bodies are constituted and meetings are conducted as per the UGC, AICTE, State Government and University guidelines. The Non-statutory Bodies are constituted by the Governing Council to complement the functions of the Statutory Bodies. These bodies frame the poilicies and procedures to have a good administrative setup.

The executive leadership is shared bythe Principal, the Vice-Principals (Admin and Academics), the Controller of Examinations, the Director – Center for Learning and Teaching& Center for Creativity,the Dean-IQAC, IQAC Co-ordinator and all the Headof the Departments.

Mechanism/ Norms and Procedure for democratic/ good Governance

  1. Regular meetings of all statutory bodies.

2. Conducting Boards of Studies meeting by Collecting feedbacks from various stakeholders (Employers, Alumni, Faculty, Students and Parents) for the improvement of teaching learning process

3. Heads of the Department Meeting with Principal

4. Faculty meeting

Establishment section of the college prepares advertisement for recruitment, conduct interviews and select sutable candidates. Policy Handbook which includes Service rules, procedures, policies is made available to all the employees.

File Description	Documents
Paste link to Organogram on the institution webpage	https://bitrix24public.com/sns.bitrix24.com/docs/pub/2a378f4353aedd0560645fb61cdc1e1d/default/?&
Upload any additional information	View File
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination	A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

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

The College takes efforts to enhance the professional competency of both teaching and non-teaching staff members and introduces various welfare measures for their benefit.

Faculty:

- Monetary incentives for publication in peer reviewed Journals.

- Granting permission for attending Conferences, Seminars, Workshops , Faculty Development Programme, etc.[50% of registration fee]

- Motivation to register for M.Phil / Ph.D. programmes to enhance their qualifications.

- Fee Concession for Children of faculty members studying inSNS group of Institutions.

- Concession for Medical Treatment for staff in tie-uped Hospitals

- Provident Fund, Gratuity

- Loan for faculty members in case ofemergy need.

- **Covid Insurance for Staff members**

- **Leave facility such as Casual Leave, Medical Leave and Maternity Leave Facility**

- **Regular Quality Enhancement Programmes**

Non Teaching:

- **Support for Higher Studies**

- **Fee Concession for Children of faculty members studying inSNS group of Institutions.**

- **Employee's State Insurance and Provident Fund**

- **Concessional Transport Facility**

- **Concession for Medical Treatment in linked Hospitals**

- **Leave facility such as Casual Leave, Medical Leave and Maternity Leave Facility**

- **Regular Technical training programmes**

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

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

149

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

31

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.)

207

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The institutionconducts regular internal and external financial audits. The purpose of the 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 Audit:

- Ensures whether expenses incurred are in accordance with the budget.

- An internal approval system is in practice for all expenses made.

- Internal Audit is done by the accounts section of the college and Trust office

External Audit

- Book of accounts are prepared as per statutory requirement and audited annually.

- M/s K.S. Palanisamy & Co. Audit the documents and are responsible for filing of returns with the Income Tax department.

- The institution maintains separate books of accounts which are subject to annual audit and financial statements are also certified by the audit firm every year.

- Grants received from various bodies like UGC, AICTE, ICMR,CSIR, DST etc., are audited and utilization certificates are submitted for the grants received before submission of Reports.

Finance Committee : The finance committee is constituted as an advisory body on all financial matters as per the regulation of UGC. The members of the Governing Body reviews and ratifies the proceedings.

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

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

7.146

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

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

Mobilisation of funds

- Fees collected from the students

- Grants from funding agencies like UGC, DST, DRDO, CSIR, AICTE, NPCIL and Anna University.

- Sponsorships obtained from Societies and Government organizations.

- Funds generated through Consultancy

- Funds from Management

Optimal utilisation of resources

- The Principal, finance and purchase committees along with the Accounts Department ensure that the expenditure lies within the allotted budget. The approval of the management is sought in case the expenditure exceeds the budget.

- Effective utilization of infrastructure is ensured by proper planning and follow-up.

Policy and Procedure

- The College and Department Budgets areprepared before the starting of every academic year

- It includes recurring expenses such as salary, electricity and internet charges, stationery & other maintenance costs.

- Infrastructure augmentation expenses such as laboratoryequipment purchases, furniture, and other development expenses are also included.

- The budget is scrutinized and approved by the Management and the Governing Council.

- The Accounts Department and Purchase Department monitor the purchase processes

- It includes Quotations called, Comparative statement, Negotiation, Purchase order, Delivery, Quality Checking and Bill Passing.

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

6.5 - Internal Quality Assurance System

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

1. Promotion of Entrepreneurship, Placement and Higher studies

Internal Quality Assurance Cell (IQAC) is taking meticulous effort in identifying the career track of the students and enhancing them to attain their target. Most of the students are willing to get employment hence courses related to skill development and

employability are included in the curriculum. Further VQAR and soft skills training is also provided to the students. Company specific training and mock-interviews are arranged before the drive to make them ready for placements. Training for competitive examinations is given through experts. Regular Entrepreneurship awareness camps are conducted and initial interest free loan is also provided for starting their own company. Space for startups and facilitating the students to get register their company through Entrepreneurship Development Cell (EDC).

Outcomes: Placement:86%, Higher Studies:2%, Entrepreneurship:11%

 1. Promotion of Research & Consultancy

The College promotes . Project proposals are submitted to various funding agencies and received grants. Centre of Excellence and Industry sponsored laboratories are established in all departments. Faculty members are eagerly doing their Ph.D programmes in the recognized research centers of the college.

Ph.D Registered:8 Ph.D Completed:4 Paper Publication:812[WoS/Scopus] Patents published:22

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

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

To promote excellence in education and inculcating quality culture in teaching-learning IQAC has formulated systematic methodologies. Standard academic practices implemented and monitored by IQAC are,

- Implementation of DT based curriculum and DT based content delivery

- Industrial involvement in academic practices by organizing industrial training, industrial visits, workshops, and guest lecturers from industry experts, MOUs, etc.

- Improving the teaching-learning process and adopting Outcome-Based Education (OBE) in all programs.

- The Program outcomes are adapted from NBA, program-specific outcomes, and course outcomes prepared by each program considering Bloom's taxonomy in collaboration with faculty, industry experts, and other stakeholders.

- Preparation and adherence of Academic Calendar

- Choice of Electives (Open/Professional)

- Innovative teaching pedagogies usage, ICT tools, Case based learning are encouraged

- Effective Mentor-Mentee system

- Evaluation of answer scripts

- Slow and advanced learners

- Regular classroom observation by Heads

- Weekly attendance and portion completion monitoring by Heads

- **Monthly submission to Principal.**

- **Establishment of various processes to take feedback/surveys from various stakeholders.**

- **Suitable actions taken and students' comfort is ensured.**

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

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	https://bitrix24public.com/sns.bitrix24.com/docs/pub/430400fe51dc7bef4ea5225d5b3c2f4b/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

SNS College of Technology has a special responsibility to promote Gender equity among students and all employees. The Institution is making continuous efforts to encourage women and men to collaborate and work together without disparity. Initially, a women empowerment cell was established in 2010 with the goal of sensitizing and equipping students on problems such as gender literacy, Health and hygiene, Legal, Societal issues and so on. In addition Grievance Redressal Cell and a Prevention of sexual Harassment Cell are also functioning.

Measures initiated by the institution for the promotion of gender equity during the year

- **Availability of a health center at campus with a licensed physician and a separate medical facility.**

- **Effective functioning of POSH committee for protection against sexual harassment in the Institution.**

- **The installation of CCTV cameras, provision of round-the-clock security and appointment of female security guards at girls' hostels**

- **Separate Common rooms and Separate Sick room equipped with a bed, first-aid kit and medical kit for both boys and girls.**

- **Counseling facilities are also provided by trained counselors to solve students' issues.**

- **International Women's Day celebrations and other programs to empower women are periodically conducted.**

- **Women faculty and students are members of various committees.**

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

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	**View File**
Any other relevant information	**No File Uploaded**

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

- **Solid Waste Management**

The wastes like stationery, files etc are periodically given to the external agencies for recycling. Twin bin system to segregate degradable and other wastes ensuring the timely clearing of the bin without allowing any overflow. Vermicomposting is being done with horticultural waste such as dried leaves and plant clipping collected in the campus. Incinerator machine are installed to dispose sanitary napkins

- **Liquid Waste Management**

An effluent treatment plant with a capacity of 500 Kilo Liters per day is working 24 hours efficiently. The wastewater from Hostels and college are collected and treated effectively.

- **Biomedical Waste Management**

There is no biomedical waste generated in the campus.

- **E-Waste Management**

The College has a policy ofdisposing all the Electronic waste through a Government Certified Agency. The institution has a dedicated Computer Maintenance Cell to ensure annual disposal of e-waste.

- **Hazardous Chemicals and Radioactive Waste Wanagement**

The chemicals in Laboratories are diluted and are handled with safety.

- **Waste Recycling System**

Wastewater is recycled and used for Gardening. Two acres of lawn with more than 1000 Trees & Plants is irrigated using this water.

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	No File Uploaded

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	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	**View File**
Various policy documents / decisions circulated for implementation	**View File**
Any other relevant documents	No File Uploaded

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	**View File**
Certification by the auditing agency	**View File**

Certificates of the awards received	**View File**
Any other relevant information	No File Uploaded

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.	A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	**View File**
Policy documents and brochures on the support to be provided	**View File**
Details of the software procured for providing assistance	**View File**
Any other relevant information	No File Uploaded

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

The College promotes 'unity in diversity' by conducting annual fests like Texperia and Allora where students from other institutions participate in both technical and cultural fests.

Cultural festivals like Pongal, Ugadi, Holi, Onam and Christmas are conducted in a grand manner where ethnic dress code and traditional practices are promoted. Literary Club Activities takes care of providing a platform for expressing the students' flair, passion and creative works in different languages and are conducted in various languages. The Tamil mandram and Poetry clubs are vibrant throughout the year.

YRC,RRC,NCC & NSS groups actively conduct tree-planting drives, Blood donation camps and village visits regularly apart from celebrating the Rashtriya Ekta Diwas & Ethnic Day. This promotes tolerance and respect towards other cultures.

Santa360 is a gala event conducted as a part of Christmas celebrations all theStudents fulfilled the wishes made by children in orphanages with great enthusiasm.

As a part of the Social Responsibility Initiatives (SRI), which is the fifth pillar of SNS College of Technology, many activities like the Kerala flood donation drive, Corona food material distribution drive, etc., are conducted.

Further all the above activities povidean inclusive environment breaking the barriers of socio economic diversities.

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:

Sensitizing students about values, rights, duties and responsibilities of citizens empowering the knowledge they can use far beyond the classrooms. SNS College of Technology sensitizes the students and the employees to the constitutional obligations about values, rights, duties, and responsibilities of citizens which enable them as a responsible citizen.

The college provides a democratic environment through Youth leadership programmes, where they can ask questions, debate and dialogue among themselves and with the faculty to develop an open-minded attitude, essential for becoming conscious citizens. Every year, the college organizes flag-hoisting ceremonies on Independence Day and Republic Day. Speeches are delivered by senior Professors on those occasions, whereby the students learn the importance of constitutional obligations. In order to have awareness about the international constitution, Model United Nations is being conducted every year where the students discuss the happenings around the world.

Courses like Indian Constitution, Essence of Indian culture, Professional Ethics provides the students with values of Indian constitution and Culture. The institute conducts awareness programs on the ban on plastics, cleanliness, Swachh Bharat, etc. involving students. Also Voting awareness rallies are conducted periodically to understand and educate the public on their rights and responsibilities.

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

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

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

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

The college observes several national and international significant occasions to educate our students on the history, traditions and practices of India in engaging and participatory ways. Independence Day and Republic Day are celebrated with great enthusiasm. NCC cadets present parade and students exhibit their patriotic fervour through various programmes. The departments conduct competitions to commemorate the sacrifice of freedom fighters.

Teachers' Day is celebrated on 5th September to mark the birth anniversary of Dr. Radhakrishnan and to acknowledge the efforts of the teachers in empowering students. Engineer's Day is celebrated on 15th September to mark the birth anniversary of Bharatratna Dr.Visveswaraya, who has contributed significantly to the field of engineering. International Yoga Day is celebrated every year on 21st June.

National Youth Day is celebrated on 12th January by recalling the philosophies of Swami Vivekananda. International Women's Day is celebrated on 8th March. It provides an exclusive platform for the girls to showcase their talents. Inspiring women achievers are invited to motivate young women.

Commemoration of National or International days and events create a great impact among the students, uniting diverse student communities under the umbrella of nationalism. Celebration of festivals like Diwali, Pongal, Christmas and Onam help the students to understand and appreciate the traditional and cultural values.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	**View File**
Geotagged photographs of some of the events	**View File**
Any other relevant information	**No File Uploaded**

7.2 - Best Practices

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

BEST PRACTICE 1

Title of the Practice :Case Study Videos and DT based Curriculum Delivery

Objectives of the Practice

The objectives of this initiative are:

- Toprovide students with a relevant opportunity to experience theory in practice
- Torequire students to analyze data in order to reach a conclusion even during pandemic
- Todevelop analytical, communicative, collaborative and practical skills along with content knowledge

BEST PRACTICE 2

Title of the Practice

Five Pillar Approach for Continuous Improvement

Objectives of the Practice

The objectives of this initiative are:

- To ensure continuous development in both academic and professional
- To build an entrepreneurial mindset and environment to Learn, Collaborate and Socialize
- To build a culture focusing on delivering effective teaching, learning, innovation building, skill and entrepreneurial development
- To encourage the faculty and students to solve industry problems
- To contribute to the society through social service

File Description	Documents
Best practices in the Institutional website	**https://sns.bitrix24.com/~JyKsX**
Any other relevant information	**Nil**

7.3 - Institutional Distinctiveness

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

The distinctiveness of SNS College of Technology is that it focuses on Design Thinking in its curriculum framing, curriculum delivery, projects, and all associated curricular and other activities. Design Thinking is a design methodology that provides a solution-based approach to solve problems. It' isextremely useful in tackling complex problems,   By understanding the human needs involved   By re-framing the problem in human-centric ways   By creating many ideas in brainstorming sessions and   By adopting a hands-on approach in prototyping and testing. SNS focuses on the five-stage Design Thinking model. The five stages of Design Thinking are as follows:

- Empathizing: Understanding the needs of employers/Students/Industries while framing and delivering the curriculum and developing projects
- Defining: Re-framing and defining the problem in curriculum designing, delivery and doingprojects.
- Ideating: Creating many ideas to solve the problem defined in the previous step
- Prototyping: Adopting a hands-on approach in prototyping the methodology or idea chosen
- Testing: Experimenting the prototye or solution developed

Understanding these five stages of Design Thinking will empower the students and faculty members of SNS to apply the Design Thinking methods in order to solve complex problems that occur around us.

File Description	Documents
Appropriate link in the institutional website	https://drive.google.com/file/d/1tO491sNKJhIshPynJkx4rZ4NdifYcYbI/view?usp=sharing
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Future Plans:

1. To introduce new programmes in emerging areas in the field of Data Science/ Machine Laerning /AI
2. To introduce new courses incorporating all the five technologies.
3. To introduce the additional language French.
4. To introduce online platform for teaching and learning through Olympus digital tool/ MS Teams/ Zoom etc
5. To inculcate modern teaching pedagogy using advanced ICT tools (Moodle, Kahoot, Hot Potato, Plickers and Google Classroom)
6. To provide AMCAT training programme for 3rd year students to prepare them for Tier I placements with package more than 6.5 LPA.
7. To motivate students, to participatein top level contests and hackathons conducted by various national and international agencies.
8. To inculcate research culture among faculty members. A DT based project/product has to be developed by each departments and the same has to be published in Scopus or equivalent journals.
9. To encourage life-long learning among faculty members and students, NASSCOM future skills courses specialising in Artificial Intelligence, Data Analytics, IoT, 3D Printing and AR/VR has to be provided.
10. To promote alumni interaction, an Alumni Longue is to be created for interaction and build relation with Alumnus.
11. To motivate all faculty members to publish their research work in atleast one Scopus/ web of science indexed Journals.
12. To encourage entrepreneurship ideas among students, a separate platform is to be created for converting ideas into startups.