



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution

Sri Sivasubramaniya Nadar College
of Engineering

- Name of the Head of the institution **Dr. V. E. Annamalai**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**

- Phone No. of the Principal **04427469752**
- Alternate phone No. **04427469700**
- Mobile No. (Principal) **9840359093**
- Registered e-mail ID (Principal) **principal@ssn.edu.in**
- Address **Rajiv Gandhi Salai(OMR),
Kalavakkam**
- City/Town **Kalavakkam**
- State/UT **Tamil Nadu**
- Pin Code **603110**

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **28/03/2018**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr.N.Venkateswaran**
- Phone No. **04427469700**
- Mobile No: **9443468070**
- IQAC e-mail ID **info@ssn.edu.in**

3.Website address (Web link of the AQAR (Previous Academic Year)

https://www.ssn.edu.in/wp-content/uploads/2023/03/AQAR-2021-2022_final.pdf

4.Was the Academic Calendar prepared for that year?

Yes

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

<https://www.ssn.edu.in/wp-content/uploads/2022/08/Academic-calendar-for-2022-2023.pdf>

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.13	2011	01/01/2011	01/01/2011
Cycle 2	A+	3.55	2017	17/07/2017	31/12/2023

6.Date of Establishment of IQAC

01/06/2009

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
CSE	TVU	TVU	05/01/2023	13,77,000
CSE	TDP	DST	08/02/2023	24,00,000
IT	SERB	DST	04/05/2023	21,91,000
BME	NASF	ICAR	12/12/2022	2,15,39,000
EEE	DOM	Ministry of Earth Sciences	05/05/2023	46,36,000
Mechanical	SERB	DST	15/03/2023	34,82,000
Mechanical	ER&IPR	DRDO	06/04/2023	24,20,000
Mechanical	SERB	DST	09/05/2023	22,00,000
Mathematics	TNSCST	TNSCST	14/03/2023	7,500

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**
- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

10. Did IQAC receive funding from any funding agency to support its activities during the year? **Yes**

- If yes, mention the amount **Rs 1,20,000**

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

Planning for NIRF rank improvement

Planning for increasing the number of publications

Planning for increasing the number of Consultancy

Planning for the improvement in PG admissions

Planning for introduction of NEP 2020

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
Planning for NIRF rank improvement	NIRF rank improved from 96 to 80 in Overall category and from 48 to 45 in Engineering Category
Planning for increasing the number of publications	With a focus on Quartile, publications in Q1 and Q2 increased with respect to last year. Publications has increased to 436 in web of science and 414 in Scopus. This is an average improvement of about 20%. Similarly Citations have improved by about 20%.
Planning for continuity of Accreditations	Five PG programs got accreditation extended in June 2023. Three UG programs taken for Accreditation during Dec 23.
Planning for the improvement in PG admissions	A new integrated master's program in CSE was introduced and all sixty seats got filled.
Planning for introduction of NEP 2020	Several initiatives of NEP 2020 were implemented. <ul style="list-style-type: none"> •Interdisciplinary Minors introduced •Multi-disciplinary Honours introduced. •Project based learning and Internship introduced •Credit transfer within the 450 Institutions of Anna University •Skilling through Value Added courses introduced •Indian Knowledge system like Yoga and subjects on Tamil heritage introduced. •Distance education through SWAYAM courses enabled in curriculum.

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

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
ISO recertification audit - 2022 by TUV NORD auditors	15/11/2022

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

- Year

Part A**Data of the Institution**

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Name of the statutory body	Date of meeting(s)
ISO recertification audit - 2022 by TUV NORD auditors	15/11/2022
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> • Year 	
Year	Date of Submission
2023	30/01/2023
15. Multidisciplinary / interdisciplinary	
<p>As defined by AICTE, several Open electives are introduced for learning concepts from other disciplines.</p> <p>Also, the concept of grouping electives in order to specialise in a specific stream and the opportunity to earn "Honours" degree, and "Minor" degree, by taking up six additional subjects, have been introduced. These approaches enable a multi-disciplinary and inter disciplinary approach to studies.</p>	
16. Academic bank of credits (ABC):	
<p>As of now, transfer of credits is permitted between the 450 colleges of Anna University.</p> <p>Example 1- PhD scholars can do the course work in any of the colleges of Anna University.</p> <p>Example 2 - At the beginning of every academic year, lapsed seats of any Institution can be filled by transfer candidates from other Institutions of Anna University.</p> <p>For full implementation of ABC, we are awaiting direction from Affiliating University.</p>	
17. Skill development:	
<p>Skill development can be done only by practice and hence the concept of integrating practice with theory, has been introduced in many subjects. This includes concepts like Project Based</p>	

Learning. This approach facilitates skill development along with knowledge development.

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

Our institution allows students to learn Indian Knowledge system through number of co-curricular and extracurricular activities through number of active clubs. Exclusive slot in Timetable as "Personality and Character Development [PCD]" is provided for students to take part in such activities. Students actively participate in Yoga, Holistic Health, Painting, Music (Vocal), Music (Instrumental), Film Making, entrepreneurial development etc. Our Institution organises intra and inter college events to promote these events.

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

All programs are defined according to expected outcomes of Graduates, as defined by National Board of Accreditation guidelines. This involves identifying Course Outcomes and Program Outcomes, while revising the curriculum. As such, all eligible programs of SSNCE are accredited by NBA.

Students are assessed as per OBE attainment model. The Examination questions framed are based on Bloom's Taxonomy of cognitive processes for all our assessment methods including Internal and End-Semester Examinations, value added courses, entrepreneur programs, Internships, projects, Viva-Voce, Assignments etc., Stakeholders' feedback is also considered to understand the effectiveness of OBE.

20.Distance education/online education:

Students can earn up to six credits through online courses and exchange it against their electives of eighth semester. They can also do up to six credits for their Honours subjects, from SWAYAM courses.

Through the well-designed curriculum, SSNCE encourages students to learn courses through online mode. Faculty follow the methods of teaching and learning practices such that it is learner centric. Faculty members regularly use number of prominent ICT tools that include LMS link to the video lectures, Virtual lab practical, LMS for conducting Internal Assessment Tests.

Faculty upload the teaching material on the LMS platform that supports Online learning.

Faculty members are also continuously updating their knowledge by NPTEL/Swayam certifications.

Extended Profile

1.Programme

1.1	19
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1	3792
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	View File

2.2	1036
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3	3773
Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1	19
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File
3.2 Number of full-time teachers during the year:	262
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	267
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	750
4.2 Total number of Classrooms and Seminar halls	190
4.3 Total number of computers on campus for academic purposes	2137
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	6185
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.	
SSNCE is an autonomous institution affiliated to Anna University, and hence has the opportunity to offer its own curriculum. The process of Curriculum delivery is documented and has the following	

steps: • The Controller of Exams, generates the Annual Academic Calendar indicating the dates for tests /attendance closing / Model lab exams, and last working day. • Heads of departments allot subjects to faculty, based on curriculum, following a standard practice of asking for preferences and also based on domain expertise. • Based on subject allotment and curriculum needs, the Central Time Table committee frames the time table. • Individual faculty prepares a comprehensive lesson plan and gets it approved by HoD. • Individual faculty shares the course lecture plan and the syllabus to the students through the Learning Management System [LMS]. • Faculty members adhere to the course delivery plan. Tests are conducted as scheduled. • Based on test results, slow learners are identified. • Mentors take care of discussing with the identified slow learners and also arrange for additional / special classes. • The local, national, regional and global developmental needs are identified through feedback from stakeholders are built into the syllabus. • Special focus is given to Sustainable Development Goals. One exclusive elective on SDG has been introduced and all the SDG coverage of various subjects has been mapped.

Thus it is ensured that the Curricula developed has relevance to the local, national, regional and global developmental needs.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://www.ssn.edu.in/college-of-engineering/cse-peos-and-pos/

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

11

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

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

50

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

1.2 - Academic Flexibility

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

65

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

19

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

1.3 - Curriculum Enrichment

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

Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum. As suggested by the Model Curriculum of AICTE, the R2021 curriculum includes • Two courses on Universal Human Values • One mandatory non-credit course on Environmental Science • One elective course on Professional Ethics and • One elective course in chemical engineering on Sustainability Goals. While there is one separate elective course on Sustainability, as suggested by Academic Council experts, all courses of all programs are checked for their coverage of Sustainable Development Goals and indicated in syllabus. Each department has faculty trained in Human Values, by FDP offered by AICTE, and these trained faculty only handle the subject in their department.

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

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

10

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

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

431

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

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

818

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://www.ssn.edu.in/wp-content/uploads/2023/12/ATR_Stakeholders-Feedback_compressed.pdf
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://www.ssn.edu.in/wp-content/uploads/2023/12/ATR_Stakeholders-Feedback_compressed.pdf
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****1048**

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)**887**

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

2.2 - Catering to Student Diversity

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

The institution assesses students' learning levels and organises special programmes for both slow and advanced learners. Learning levels are assessed after each CAT, by the student's performance in CAT. Generally, those who fail, are classified as slow learners and those who score more than 75% marks are considered fast learners. Those in between are treated as average performers. Slow learners are normally identified by their performance in CAT. Based on CAT marks, those who need additional support are counselled by the mentor and instructed to attend special classes. Faculty handling the subject offer extra classes to revise the portions, to help slow learners. The process of mentoring based on CAT marks, is the general approach to identify and improve slow learners. Fast learners can finish their eighth semester courses earlier or do extra courses.

For example, • Students can complete the two eighth semester courses anytime between the third and seventh semesters and free themselves in the eighth semester to focus on doing projects in industry. • Students can take six additional courses and become eligible for a Honors degree or a Minor degree in a select track.

- Students can audit certain courses additionally, without attending any assessment.

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
30/06/2023	3792	262

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:

Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences: Learning experience improves only when the student does something towards practicing what is taught. This is facilitated by several approaches as below:

- Experiential learning- by integrating labs with theories and offering as Theory cum Practice courses. Each program has consciously attempted to offer a minimum of three such courses.
- Participative Learning - by flipped classroom approach.
- Problem Solving - by offering real life situations and facilitating group discussion in subjects like Professional Ethics; by offering Tutorial sessions where students are taught how to solve complex problems, problems that need skill for assuming relevant data, in problem-oriented subjects.
- External /extended learning with credits- including the work done individually by students at home / outside classroom as part of the credit [three hours of student work outside class = one credit].

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

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

Teachers use ICT-enabled tools including online resources for effective teaching and learning Even before Covid, each class was provided with Laptop and projection system. Faculty were encouraged to use power points [ppts] for delivering lectures. The challenges posed by Covid enabled us to equip ourselves with all necessary digital accessories for effective online content delivery. Each faculty is now provided with the following: • A computer system with net connectivity • A head set with microphone • A camera facility for each desktop • A whiteboard [one can write during online lectures, just like writing on a black board] In addition, there are several software like Mesh central, repl.it , MATLAB etc., that enable online sharing of Institutional software . The Institution also subscribes to several online licenses like zoom, MS teams and Panopto video tools. Online learning through MOOC like NPTEL and SWAYAM are permitted and upto six credits can be exchanged for such online earned credits. Of late, faculty are being trained in using mobiles effectively in classrooms for engaging the students for mid lecture interruptions by suitable questions. [slido]

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	Nil
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

260

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	No File Uploaded
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

All academic activities strictly adhere to the schedules given in the Academic Calendar. The dates on which attendance should be closed and the dates on which the continuous assessment test [CAT] should be conducted, are all part of the Academic Calendar. Continuous Assessment tests are centrally monitored by CoE. Monitoring includes • Collecting question papers from the departments • Arranging for invigilation during tests • Collecting back the marks and answer sheets • Declaring the results of the assessment • Calculating the internal assessment marks based on the internal assessment marks. Teaching Plans are developed by each faculty, with details of coverage for each lecture, method of assessment to be used etc. These are verified and approved by the head of the department, one week before the commencement of the classes.

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

262

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	No File Uploaded

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

249

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)

3446

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

13 days on an average

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

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

1

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
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 procedures take advantage of digital technologies. Test and exam schedules are announced by the Controller of Examinations [CoE] and question wise marks uploaded.

Transparency is ensured by:

1. Dates of test are announced at the beginning of the academic session, to ensure sufficient time is left between two cycles of tests.
2. Answer sheets are shared with students along with answer keys, so that they can check and represent to their faculty, for any discrepancies.

Robustness is ensured by:

- Question papers are scrutinized by a team of assigned faculty, to assess the adequacy and adherence to CO-PO norms and to approve it.
- Centrally appointed squad audits the various locations of test, to ensure everything is okay.
- Marks are collected within two weeks of the conduct of tests and thereafter faculty have no access to correct the same.
- Internal assessment marks are computed by CoE based on CAT marks. Faculty cannot change the same.

Similarly, students are given a fair chance to review their answer sheets.

All grievances are responded to, within two working days.

Grievance redressal is done by

- Sending a mail to grievance cell

- Writing to Student counsellor
- Representing to HoD or Principal or CoE, preferably by mail

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.ssn.edu.in/grievance-redressal/

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

All programs are accredited by NBA. As mandated by NBA, all course outcomes and program outcomes are disseminated in various ways.

- POs are boldly displayed in each department, at the entrance portion, so that each student sees it almost every day.
- Course Outcomes are included in each syllabus and shared with students, by the faculty, in the Lesson Plan and during the first introductory period.
- Each question paper used for internal assessment also indicates the CO to which each question relates to.
- Both POs and COs are displayed in the website.

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://www.ssn.edu.in/college-of-engineering/ece-peos-and-pos/

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

- Each course has COs that are mapped to the Program Outcomes
- The Institution has a common approach for deducing the attainment of CO and PO
- The faculty follows the standard method and calculates the attainment levels after each end semester exam.
- Each department has a Program Advisory Committee that

assesses the attainment at Program Level and decides on actions for the next semester, to improve the attainment levels.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.ssn.edu.in/college-of-engineering/electronics-and-communication-engineering-department-ssn-institutions/

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

995

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	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

<https://www.ssn.edu.in/wp-content/uploads/2023/12/Student-satisfaction-survey-2022-23.pdf>

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

Research promotion is done by various methods like incentives, Career Advancement Norms and as part of Annual Faculty Appraisal. Research promotion schemes and Incentives are listed in website. A

senior faculty is identified as Vice Principal [Research and Accreditations], to take care of implementing policies, exclusive for research related activities. A Research advisory council, comprising experts in various fields, constantly reviews and guides our research activities.

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	chrome-extension://efaidnbmnribpcajpcglclefindmkaj/https://www.ssn.edu.in/wp-content/uploads/2023/06/Research-Policy-2.pdf
Any additional information	View File

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

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

27.95

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	No File Uploaded

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

3

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)

402.52

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

44

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.ssn.edu.in/research-centre-ssn-institutions/research-statistics-internally-funded-projects/
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

205

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	https://www.ssn.edu.in/wp-content/uploads/2023/05/Externally-Funded-Projects-174.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.

SSNCE ensures an environment conducive for research by the following Bodies:

1. Institution Innovation Council [IIC]
2. Internal funding for student and faculty projects
3. IPR Cell
4. Innovation Centre
5. Incubation Centre

IIC nurturing Innovation and focuses on IPR and Startup eco system. Internal funding for student ideas is offered by STIRS - Stimulus for Technological Innovation and Research among Students - under which, around 150 teams are supported with around Rs.40 lakhs. This automatically brings about quality publications from students. Similarly, faculty are also provided seed money for project ideas, from Rs.3 to 5 lakhs.

The overall outlay for these two schemes is around Re.1 crore per

year.

A separate IPR Cell facilitates patenting by students and faculty. This helps in creation of knowledge, which can later be transferred to

industry for productionising.

Dedicated inter disciplinary Research Centres of Excellence are:

1. Energy
2. Materials
3. Smart Technologies
4. Machine Learning
5. Healthcare Technologies
6. Speech Technologies
7. Radiation and Environmental Engineering
8. Water
9. Industry 4.0

Each department has special-interest-groups working on thrust areas. Separate Entrepreneurship Development Cell addresses needs of students. Innovation Centre is for student to try out their ideas. SSN iFound, supports faculty for startup.

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

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

44

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

60

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

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

during the year**2.1**

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

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year**54**

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****8290**

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****23**

File Description	Documents
Bibliometrics 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)

158.76

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

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

8,78,000

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	No File Uploaded
Any additional information	View File

3.6 - Extension Activities

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

As mandated by AICTE Model Curriculum, all students are encouraged to take up 80 periods of experiential learning in any one of the three associations - NSS, YRC or NSO. During induction, all these three activities are explained and they are enrolled in any one of the three. Then, guided by faculty coordinators, students experience the benefit of practicing social behaviour in these teams. National Social Service [NSS] undertakes several social activities in and around the campus- in village schools etc. Youth Red Cross [YRC] conducts several health-related activities like blood donation and health camps. National Sports Organization [NSO] offers several activities towards individual health monitoring and supports participating in competitions. All these activities, enable the student to operate in a social setting, for understanding social skills.

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

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

42

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)

48

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

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

48

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

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

760

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

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

17

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.

Each program has dedicated classrooms for each class, with laptop, screen and projection facility. Necessary labs and tutorial rooms are also available.

Each faculty has been provided with a system.

Each department has seminar halls.

In addition, there are central facilities as below • Main auditorium [1000-seater] • Mini auditorium [300-seater] • Central Seminar Hall [200-seater] • Centrally air-conditioned Library • Gym and Indoor sports facilities • Bank, ATM and dispensary

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.youtube.com/watch?v=A-vNlIpHp3U

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

Cultural Activities:

- The SSN College Cultural Committee supervises all the cultural events and activities such as College Day Events and Celebrations, Freshers' Day Events, and the Annual College Cultural Fest.

Games and Sports Facilities

- The institution has qualified Physical Director as per norms.
- The area of outdoor stadium is 2.5 acres, suitable for conducting even National level sports competitions. Games such as Javelin Throw, Shot-put, Discus- Throw, volleyball, badminton, and short & Long Jumps, Kabaddi court, Kho- Kho court, Basketball courts and cricket is made available in this outdoor stadium.
- The college has indoor facilities for Table Tennis Tables, Caroms, Chess, Dart boards, conducting cultural activities, Guest rooms for visiting athletes and participants.

- A large percentage of students participate in the sports and games events conducted at college level, University level as well as National level.

Yoga and Meditation Centre:

- Services of a qualified Yoga Trainer are available in the college.
- SSN students can get trained by the Yoga Practitioner.

Auditorium:

The Institution has well equipped auditorium facility as below:

- 1000-seater AC main auditorium
- 300-seater AC Mini Auditorium
- 200-seater AC- Central Seminar Hall

In addition, each department has dedicated seminar hall of around 100-seater capacity, with AC facility.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.ssn.edu.in/facilities-sports-annexes/

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

132

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

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

3245.00

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)

Library is automated using Integrated Library Management System (ILMS): • Name of the ILMS software: Koha • Nature of automation (full or partial) : Full • Version: 19.05.00.000 • Year of automation: 2014. Users can place request through Koha OPAC for any unavailable or on demand book to the Librarian. Members can place hold on books which are under circulation and Koha triggers alert to the user when the book is available in the library. SMS and email alerts are triggered for every transaction with Koha to the members. Students are benefited with RFID Kiosk machine as it's really quick in getting the book issued to the students For Authentication, biometric is being used. The RFID Security gate blocks the user, if the book is not issued through the RFID circulation counter. About 18.00 Lakhs is the Library expenditure for the year 2022-2023.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.ssn.edu.in/facilities-library/

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

A. Any 4 or more of the above

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

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

113.00

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

221

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

4.3 - IT Infrastructure

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

The Systems team evaluates the need for any upgrades and frequently updates the IT facilities. The need for upgrades is identified during the quarterly SCIPE meeting with HoDs. SCIPE stands for SSN Centre for Innovative Practices in Education. The effectiveness of upgrades is also assessed by Annual surveys. There is an Institution wide IT policy, covering all aspects of Wi-Fi, cyber-Security, access controls etc. The IT department has exclusive annual budget for upgradation of IT facilities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.ssn.edu.in/facilities-wi-fi/

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3781	2250

File Description	Documents
Upload any additional information	View File

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

A. 50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

C. Any two of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://docs.google.com/document/d/1iCUD0vhwXqz4K7qXwcTm4hXBTAWaOvM-/edit?usp=drive_link&oid=100898629790293630160&rtpof=true&sd=true
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)

6184.00

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

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

There are two types of Maintenance-periodic preventive maintenance and complaint-based maintenance. Important equipment like Projectors, laptops are subjected to periodic preventive maintenance audits. Correction is done before any major issue happens. The maintenance of all facilities is under the Supervision of Facilities team. There is a mail- based complaint booking system [ticketing system]. Any issue with any facility can be recorded here, by sending a mail. Anyone, including a student, can register the complaint. Based on the mail, a complaint ticket is raised with a specific reference number. The resolution time for various types of complaints is pre-estimated. At the end of the month, all tickets are analysed for effectiveness of resolution. Any non- resolved complaint is taken up by Authorities concerned, for corrective action. Utilization of labs and research facilities are recorded in log books.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://helpdesk.ssn.edu.in/

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

658

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

501

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	Nil
Details of capability development and schemes	View File
Any additional information	View File

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

1395

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

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

A. All of the above

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

5.2 - Student Progression	
5.2.1 - Number of outgoing students who got placement during the year	
654	
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	
124	
File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
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	
96	
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	
97	

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

Students' participation in educational administration is facilitated by their inclusion as members in class committee. Each class has a Class Committee, which meets thrice a semester to take stock of progress of the Teaching Learning process and ensures necessary corrective actions on time. Students' participation in improvement initiatives, is ensured by their inclusion as members of IQAC. They also take part in all the improvement initiatives of the institution through participation in IQAC. All co-curricular and extra-curricular activities are monitored by various clubs- which are anchored by students. Technical activities are handled by respective Technical Associations. Extracurricular activities are anchored by various clubs like Photography club, music club etc. Two mega events, Invente [Technical] and Instincts [Cultural], are completely planned and managed by student teams. Placecom is a student committee that plans and supports placement activities. Student Alumni Representatives [SARs] help in liaising with Alumni.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.ssn.edu.in/naac-reports/

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

16

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

5.4 - Alumni Engagement

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

SSN has an Alumni Association, which is a Government Registered Body under Societies Act 133/2018. It facilitates tapping the expertise and assistance of the 19,000 strong network of SSN graduates. Currently the association has 3 chapters in Chennai, Bengaluru and US. It has core committees and faculty coordinators from each department. Alumni association contributes significantly for the growth of the Institution. The Annual meet, Tribute, which falls in the first Saturday of every year, is the time when alumni from across the globe come to campus and review their association with the institution. Contribution is both in financial and non-financial aspects. Financial support includes Alumni Scholarship for deserving needy students. Non-Financial support includes mentoring / guiding the students on various aspects of their career-like guiding for projects and mentoring for competitions, informing internship opportunities, creating awareness on how to go abroad for higher studies and support for placement. All the Alumni chapters are functional, meeting the Management at periodic pre-defined intervals, for planning all events and activities. The most important Annual events are the Alumni Scholarship function and the Alumni Get together at Campus -Tribute, which normally happens on the First Saturday of every Year. Recently, a newsletter, CARE [Cherishing Alumni Relationship and Engagement], has been launched, capturing all activities of Alumni with the Institution.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.ssn.edu.in/alumni-relations-office/

5.4.2 - Alumni's financial contribution during the year	A. ₹ 15 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	
<p>Our Vision is "To be a world class institution for technical education and scientific research for public good." Our Mission is SSN will strive continuously to:</p> <ul style="list-style-type: none"> • Make a positive difference to society through education. • Empower students from across socio economic strata. • Be a center of excellence in education in emerging technologies in accordance with industry and industrial trends. • Build world class research capabilities on par with the finest in the world and broaden students' horizons beyond classroom education. • Nurture talent and entrepreneurship and enable all-round personality development in students. <p>The Vision statement focusses on enriching students by education, research and entrepreneurship training. All these are possible only by a trained set of capable faculties. Teachers play a vital role by being a member of the Curriculum Committee, Board of Studies and Academic Council, in terms of generating the Regulations and Curriculum, for guiding the development of students. Their role in these Committees, helps in developing strategies. In terms of implementation, they participate as Class advisors, Course Coordinators, Program Coordinators, and Mentors. In addition, faculty drive student movements like National Service Scheme [NSS], National Sports Organization [NSO], Youth Red Cross [YRC], Red Ribbon Club. [RRC] and Entrepreneurship Development Cells [EDC], thereby involving students in experiential learning for Personality and Character Development</p>	

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.ssn.edu.in/about-ssn-management/

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

There are two levels of Participative possibility in decision making. The first level is involving all faculty to explore new ideas for Institutional Growth. These are called as AID [Activity for Institutional Growth] projects. The Second level is involving all Heads of departments for handling issues by rotation, by a process called Participative Change Management [PCM]. In AID projects, all possible growth needs are briefed and sent to all faculty, asking for volunteers to register which project they want to take up. Based on interest shown, projects are assigned to faculty. They work on a short term of two months and get back with initial results of testing an idea for implementation. Thus, many new ideas can be pilot tested for further development. When issues crop up, these are assigned to Heads of departments, in turns. They take the responsibility of developing a solution to the issue, by talking to other HoDs. On consensus, each solution is developed by various HoDs. These are taken up for implementation. There are also instances of Potential AID projects being taken over by HoDs for implementation, through PCM mode.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://www.ssn.edu.in/college-of-engineering/about-ssn-ce-vision-mission/ , https://www.ssn.edu.in/college-of-engineering/

6.2 - Strategy Development and Deployment

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

The Perspective plan is converted into a scheme of appraisal and deployed to all at the beginning of the academic year. This scheme is also revised once in three years, to improve the level of achievement. At the beginning of 2021-22, the scheme was revised, after several deliberations with faculty and Heads of departments.

Each faculty strives to score as much as they can, as per the scheme. This automatically takes the collective efforts towards the strategic goals planned by the Management.

Broadly, the goals are set in four aspects

- Teaching /Learning
- Research outcomes
- Institutional Building Activities and
- Student feedback

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.ssn.edu.in/college-of-engineering/electronics-and-communication-engineering-department-ssn-institutions/
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.

The Institution has well defined policies and Service Rules, which are disseminated to all concerned. Functional heads are guided by Key tasks. The availability of grievance cell that is accessible by mail, is a check pint for any unforeseen excesses.

Annual performance appraisal reviews the achievements, identifies scope for improvement and forms the basis for the next year's target setting. This ensures effectiveness of all functions and Institutional bodies.

File Description	Documents
Paste link to Organogram on the institution webpage	/https://www.ssn.edu.in/wp-content/uploads/2023/06/Service-Rules-Teaching-Staff_compressed_compressed_compressed_compressed_11zon.pdf
Upload any additional information	View File
Paste link for additional Information	https://www.ssn.edu.in/wp-content/uploads/2023/06/Service-Rules-Teaching-Staff_compressed_compressed_compressed_compressed_11zon.pdf

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) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

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

SSNCE is deeply committed to the well-being and welfare of its faculty, staff members and their families. We believe that good health and a well-adjusted work-life balance are essential for productive living. Towards the same, SSNCE has provisioned for a bouquet of offerings to its members and/or their families to inculcate a healthy work-life balance principle. Some of the current offerings are as stated below: During Pandemic SSN Institution is geared up to keep the students, staff and visitors safe by following strict COVID-19 protocol procedures both on and off campus in a self-disciplined way at all times. Covid leave policy is generated, Other significant welfare measures include: •

Annual health check-up with dental coverage • Medical coverage - Domiciliary and Hospitalization, Term Life & Personal Accident • Leave Travel Assistance • Marriage gift • New born child gift • Diwali gift • Fee concessions to the wards of employees who gain admission in SNU Chennai • Cash award to Best Teaching Faculty • Maternity benefits Access to - Indoor Sports Complex facilities - Badminton, Basketball, Chess, Gym, Squash, Table Tennis, Carrom, Chess and Yoga - Outdoor games - Athletics, Tennis, Basketball, Volleyball, Throw Ball, Ball Badminton, Football & Cricket

- 24*7 Doctor on call
- Library facility
- On-campus TMB Bank, ATMs, Unisex Saloon, Laundry service
- Wi-Fi and intercom facility
- Security and CCTV facility
- Career development and progression is done through well-defined policies, giving transparent data on expectations.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.ssn.edu.in/life-at-ssn-facilities/

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

58

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

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

66

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.)

86

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 internal financial audit is carried out every year, by the Auditors from the Shiv Nadar Foundation. The external audit is carried by the authorized chartered Accountant at the end of the financial year. Any audit objection is presented to the finance team of the institution which immediately complies by ensuring a process of rectification and corrective action.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.ssn.edu.in/mandatory-disclosure/

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)

24.75

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

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

Main source of funds is the fee paid by students. A small fraction comes from donations from Stakeholders including alumni and Philanthropists. The shortfall is met by funds from the Shiv Nadar Foundation, as grants. Optimal utilization is ensured by an annual budgeting process wherein all requirements from departments are discussed and prioritized for clearance. All strictly adhere to the approved budget. Any unforeseen requirements are discussed with Management, for necessary clearances as Supplementary budget. This ensures funds are not wasted.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.ssn.edu.in/alumni-relations-office/

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)

NIRF rank improved to 80 in Overall category and to 45 in Engineering Category.

With a focus on Quartile, publications in Q1 and Q2 increased with respect to previous cycle.

Five PG programs got accreditation extended in June 2023 and three UG programs taken for Accreditation during Dec 23.

A new integrated master's program in CSE was introduced and all sixty seats got filled.

Several initiatives of NEP 2020 were implemented.

1. Interdisciplinary Minors introduced.
2. Multi-disciplinary Honours introduced.
3. Project based learning and Internship introduced.
4. Credit transfer within the 450 Institutions of Anna University
5. Skilling through Value Added courses introduced.
6. Indian Knowledge system like Yoga and subjects on Tamil heritage introduced.
7. Distance education through SWAYAM courses enabled in curriculum.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.ssn.edu.in/nirf/

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

IQAC meets once in three months and records the progress in each identified improvement area. For example, the IQAC Chairman conducted periodic meetings with the head of the departments and members of IQAC on the curriculum revision (R2022) for PG, wherein number of new courses have been introduced with an emphasis on academic flexibility. This exercise was completed, and a revised curriculum syllabus was put in place from the odd semester 2022-23. The Institution provided different ICT facilities during the pandemic for teaching and learning using Online platforms such as Zoom, PANAPTO and Microsoft teams. The Chairman - IQAC with the members, put forward the requirements for NBA accreditation of EEE, ECE, CSE, IT and BME programs in various meetings. An Academic and Administrative Audit was carried out during the period. The Manager - Placement, presented the statistics and improvements in placement over the years with reference to number of companies visited, number of offers received etc., in different categories.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.ssn.edu.in/wp-content/uploads/2023/11/External-audit-23_compressed-1.pdf

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
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File Description	Documents
Paste the web link of annual reports of the Institution	https://www.ssn.edu.in/naac-reports/
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

- Gender Equality and women empowerment are practiced in SSN.
- SSN has better gender equality ratio than the Indian average of 25%.
- SSN has 1412 girls out of 3781 students [37.3%]
- Out of 237 faculty, 96 are women [40%]
- Both in leadership and in faculty, women occupy prominent

positions.

- Out of 12 department heads, eight are women.

Provide equal opportunity in administration and leadership positions: Women in Leadership Council /Associations, Coordinators/ Centre Heads / HOD's/in SSNCE

1. Dr.S.Radha -Vice Principal
2. Dr. P. Vijayalakshmi - Professor & Head, Electronics and Communication Engineering
3. Dr. A. Kavitha - Professor & Head, Biomedical Engineering
4. Dr.V.Rajini - Professor & Head, Electrical & Electronics Engineering
5. Dr. T.T. Mirnalinee - Professor & Head, Computer Science and Engineering
6. Dr. B. Praba -Professor & Head, Department of Mathematics
7. Dr. Martha Karunakar -Associate Professor and Head, Department of English
8. Dr. M.Siluvai Michael - Associate Professor & HOD in-charge, Department of Chemistry

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

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

A. Any 4 or All of the above

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

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

Degradable waste recycling process

An Organic Waste Compost Machine is installed at the backyard of our SSN campus near Cricket ground for manufacturing natural organic manure from the available wastes from the campus. The degradable wastes like vegetable wastes, paper wastes, lawn mowing wastes, dried leaves etc are collected and sent to the Compost machine periodically for preparing organic manure and the prepared manure is used at our campus for Landscaping purpose. This is a routine process being followed every day.

Non - Degradable waste disposal process Non - degradable wastes are segregated and disposed of through a third-party vendor by our Store department. The E-wastes are disposed through PCB certified vendors by the IT & stores department.

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
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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: <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 	A. Any 4 or All of the above

4. Ban on use of plastic	
5. Landscaping	
File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	View File
7.1.6 - Quality audits on environment and energy undertaken by the institution	
7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:	A. Any 4 or all of the above
<ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	
File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File
7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities:	A. Any 4 or all of the above

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.

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

By admission process, 25 rural toppers are selected from government High Schools. This gives an opportunity for rural students to move on par with others. By the walk-in-walk-out scholarships, students who are toppers from various Boards across India, join our Institution. By People of Indian Origin quota, students from abroad join us. Also through liaison with Study in India Team, students from various countries / ethnic background join us. Thus, the admission process ensures a mix of various cultures and social backgrounds. Their presence in campus, enables mutual learning from each other for peaceful and harmonious living.

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:

SSN organizes a variety of programmes to educate students and staff about their constitutional commitments, including principles, rights, and responsibilities. Additionally, courses such as Professional Ethics and Environmental Science, highlight

to students the importance of a commitment to ethical standards in their field, as well as the importance of enhancing our environment to avoid further ecosystem degradation due to human activity. In the Regulation 2021, a new subject has been introduced on the Indian Constitution. Republic day and Independence Day are celebrated in a grand manner. SSN has an Incubation center to promote entrepreneurship. NSS and YRC clubs regularly conduct number of socially relevant programs towards sensitizing student and faculty to carry out their duties and responsibilities in order to give back to the society.

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	No File Uploaded
Any other relevant information	No File Uploaded

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

Republic Day is celebrated every year with great enthusiasm. Various departments and Hostel students organize a program of Patriotic songs after flag hoisting every year. Independence Day is celebrated every year. Teachers' Day is celebrated to honour the teachers. The institution is committed to the national and social causes and it celebrates various national festivals, important days and birth/death anniversaries of the great Indian personalities. In addition to the National Festivals, local festivals like Ayudha Pooja and Pongal are celebrated in campus. Tech fest "Invente" and cultural fest "Instincts" are also celebrated by students, by hosting other college students in our campus.

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

Practice 1 - Inculcating a research culture in students By internal funding of student projects, many students have been inducted into research at a very early stage. This has resulted in good publications, facilitating the students to get better jobs and to get higher study opportunities in good Institutions. This has been improving year on year with a current statistics of around 150 student teams involved in research every year, funded to the tune of around Rs.40 lakhs every year.

Practice 2 - Improving the involvement of students in major activities like Placement and Alumni relations Placecom committees have been created with students anchoring specific activities towards contacting recruiters and conducting placement interview sessions. Student Alumni Representatives [SAR] and Department Alumni Relations Team [DART] have been created, involving students of different batches to come together to serve the Alumni. Thereby, they maintain relationship with Alumni and ensure proper support from Alumni, for placement training, mock interviews and

project mentoring.

File Description	Documents
Best practices in the Institutional website	https://www.ssn.edu.in/wp-content/uploads/2023/05/Research-Statistics.pdf
Any other relevant information	https://www.ssn.edu.in/placements/

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)

One of the priorities of SSN is to ensure inclusive education and to support the economically weak students. While several scholarships are offered for merit, there are two scholarships that ensure inclusivity.

1.Scholarship for Potential Under-Graduate Rural Students (SPURS)
SPURS is a unique feature in the overall scholarship program at SSN. Twenty-five toppers from rural Government schools are selected for free education at the UG level every year. This is a small step taken by SSN to bridge the urban-rural divide in the country. These students also participate in a specially designed bridge-program prior to start of the regular academic session to equip them face the rigors of engineering education.

2.Merit-cum-Means Scholarship Every academic year, several scholarships are awarded on the criteria of merit-cum-means. Academic performance and demonstrated economic need are the key criteria for this scholarship.

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

7.3.2 - Plan of action for the next academic year

Since NACC facilitates all round improvement in the functioning of any Institution, SSNCE will work towards retaining and improving the NAAC awarded score of 3.55. On similar grounds, SSNCE will try to retain/ improve the NIRF score of 52.