



SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING

(An Autonomous Institution)
Kalavakkam – 603 110

SELF STUDY REPORT

6.1.1: The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Submitted to

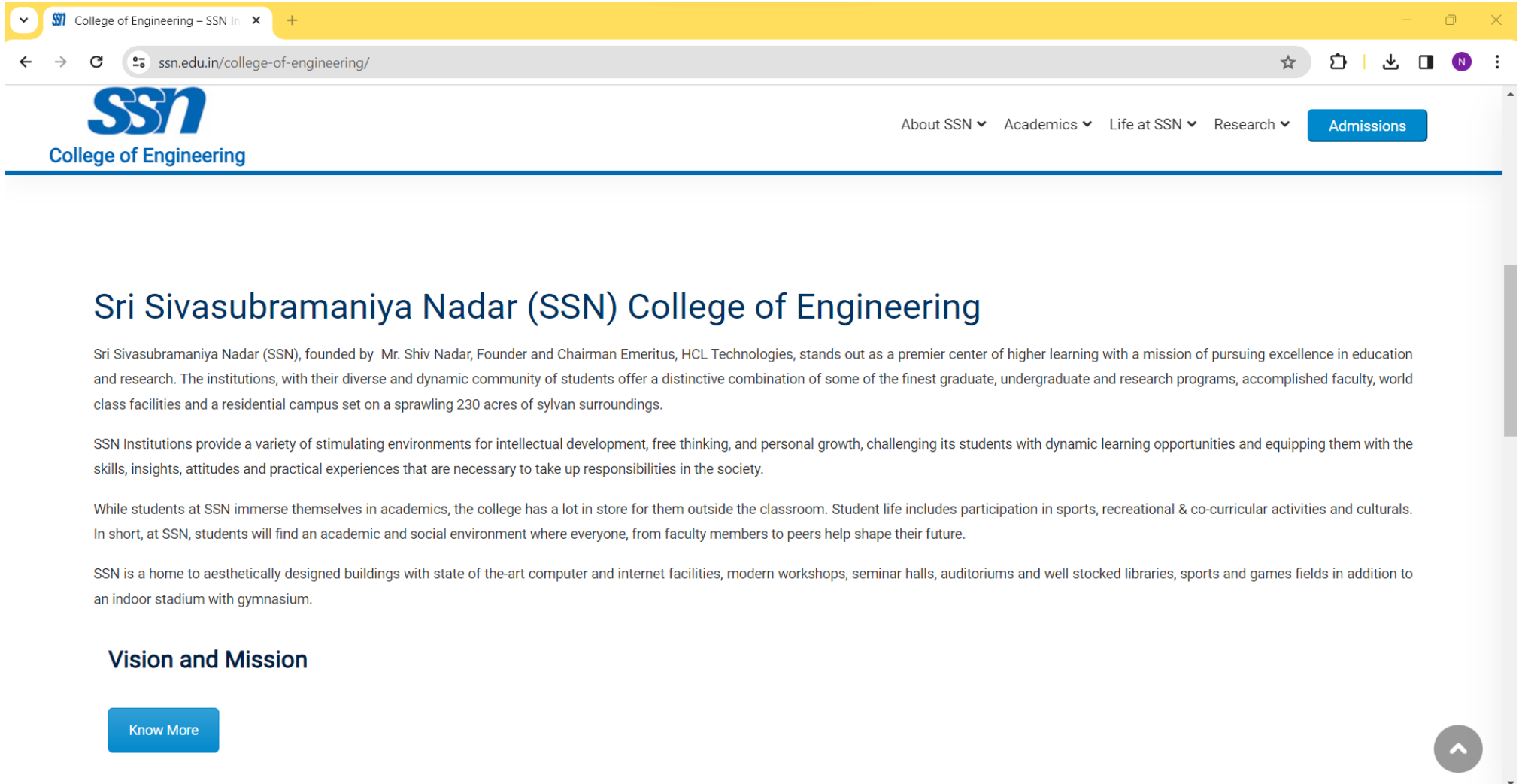
The National Assessment and Accreditation Council
February 2024

Declaration

This is to certify that the documents available related to this metric is more than 5MB. Hence, sample documents are given in the upcoming pages. Further, other supporting documents are provided in the weblink. All links/Pictures/Documents/ others are verified and authenticated.

LINK

<https://www.ssn.edu.in/college-of-engineering/about-ssn-ce-vision-mission/>



The screenshot displays a web browser window with a yellow header bar. The browser's address bar shows the URL [ssn.edu.in/college-of-engineering/](https://www.ssn.edu.in/college-of-engineering/). The website's logo, "ssn College of Engineering", is in the top left. A navigation menu in the top right includes links for "About SSN", "Academics", "Life at SSN", "Research", and a blue "Admissions" button. The main content area features the title "Sri Sivasubramaniya Nadar (SSN) College of Engineering" in a large blue font. Below the title, there are three paragraphs of text describing the college's mission, its stimulating environment, and its facilities. At the bottom left, there is a blue button labeled "Know More". A small grey circular button with an upward arrow is located in the bottom right corner of the page.

College of Engineering – SSN In

ssn.edu.in/college-of-engineering/

ssn
College of Engineering

About SSN ▾ Academics ▾ Life at SSN ▾ Research ▾ Admissions

Sri Sivasubramaniya Nadar (SSN) College of Engineering

Sri Sivasubramaniya Nadar (SSN), founded by Mr. Shiv Nadar, Founder and Chairman Emeritus, HCL Technologies, stands out as a premier center of higher learning with a mission of pursuing excellence in education and research. The institutions, with their diverse and dynamic community of students offer a distinctive combination of some of the finest graduate, undergraduate and research programs, accomplished faculty, world class facilities and a residential campus set on a sprawling 230 acres of sylvan surroundings.

SSN Institutions provide a variety of stimulating environments for intellectual development, free thinking, and personal growth, challenging its students with dynamic learning opportunities and equipping them with the skills, insights, attitudes and practical experiences that are necessary to take up responsibilities in the society.

While students at SSN immerse themselves in academics, the college has a lot in store for them outside the classroom. Student life includes participation in sports, recreational & co-curricular activities and cultural. In short, at SSN, students will find an academic and social environment where everyone, from faculty members to peers help shape their future.

SSN is a home to aesthetically designed buildings with state of the-art computer and internet facilities, modern workshops, seminar halls, auditoriums and well stocked libraries, sports and games fields in addition to an indoor stadium with gymnasium.

Vision and Mission

Know More



VISION

"To be a world class institution for technical education and scientific research for public good."

MISSION

SSN will strive continuously to:

- Make a positive difference to society through education.
- Empower students from across socio economic strata.
- Be a centre 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.

POLICY

To impart world-class technical knowledge and training to meritorious students from diverse socio-economic backgrounds and to transform their lives by nurturing their talent and facilitating all-round personality development.

About SSN CE

Overview

Vision & Mission

THE FOUNDER

MANAGEMENT

PRESIDENT'S WELCOME

Principal's Message

Newsletter

Programs

Departments

WHY SSN

ADMISSIONS



THE JOURNEY OF SSN – SSN In

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ssn.edu.in/history/

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JOURNEY OF SSN

About SSN

Academics

Life at SSN

Research

Admissions

SSN Institutions, founded by Founder and Chairman Emeritus Mr. Shiv Nadar, Chairman, HCL Technologies, stands out as a premier centre of higher learning with a mission of pursuing excellence in education and research. The institutions are named after the Chairman's father Sri Sivasubramaniya Nadar.

The institutions, with their diverse and dynamic community of students offer a distinctive combination of some of the finest graduate, undergraduate and research programs, accomplished faculty, world class facilities and a residential campus set on a sprawling 230 acres of sylvan surroundings.

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SSN College of Engineering has a faculty strength of 275 with a faculty student ratio of 1 faculty for every 15 students.

As an exemplary institution of learning, SSN follows an admission policy that strongly favours merit, even as it enables access to education for students from all strata of society through appropriate scholarships. The Institution boasts of a strong alumni network with alumni events held every year serving as a platform for past students to give back to SSN and share their experiences with its present fellow students.

With so much to offer, it is only natural that students of SSN get a unique opportunity to carve a niche for themselves in their preferred field of study that would enable them to become well-rounded and discerning citizens, fully qualified for their chosen professions in the workplace.

Institutional Perspective Plan and its Effective Implementation and Monitoring

Perspective Plan:

Sri Sivasubramaniya Nadar College of Engineering (SSNCE) is an affiliated institution under Anna University and became autonomous institution since the academic year 2018-19. Until the grant of autonomous status, the academic regulations, curriculum and syllabi were adopted from Anna University.

With the autonomous status, SSNCE started framing its own regulations, curriculum and syllabi from the academic year 2018-19. The institution proposes to achieve the excellence with a strategic plan.

The strategic plan involves three stages:

- a. Immediate level
- b. Medium term (3 years)
- c. Long range (5 years)

The outcomes (goals) linked to the strategy and its implementation are outlined for various key stakeholders as explained below:

Immediate Level:

Students:

Attribute	Action Plan	Outcomes
Heterogeneity challenges (caused due to the different modes of admissions)	Install suitable mechanism to identify weak students and draw up the programs to bridge the gap.	Performance improvement
Rewarding performances	Install a process to reward students at the immediate instance of performance	Competitive spirit
Life skills	Workshops and short-term programs based on emotional intelligence, design thinking.	Better perspective thinking that leads to better academic performance
Simulation/ contemporary thinking	Newspaper reading sessions, short case lets.	Practice based learning and concept connect
Competitive Events	Identify the events and encourage students to participate.	Leadership skills and team abilities

Faculty:

Attribute	Action Plan	Outcomes
Contemporary understanding	Meet the company resources during the time of student internships	Helps to get industry understanding
Research publications	Identification of good project internships and drive the students to raise the bar of project to publication.	Good recognition for the quality of research work

Processes:

Attribute	Action Plan	Outcomes
Contemporary courses	Identify contemporary topics under each course and offer as value additions	Theory and practice together gets the better learning outcomes
Ethics and Values	Introduce ethics as value added course	Establish the significance of ethics as part of behaviour in the minds of aspiring engineers.
Student exchange program	Mini-student-exchange (1 week duration) with leading institutions in India	Rub-off effect, cultural diversity understanding

Medium Term:

Students:

Attribute	Action Plan	Outcomes
Contemporary specializations	Data Analytics and Functional Analytics	Matching industry expectations
Entrepreneurship initiatives	Courses on entrepreneurship and ethics. Use of start-up labs created in SSNCE campus.	Cultivating entrepreneurial spirit in select group of students
Specialization dimensions	More selections on specializations offered, Major and Minor.	More scope of learning in specific functional areas

		leading to better opportunities
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Faculty:

Attribute	Action Plan	Outcomes
Faculty development activities	Encourage research papers/ case studies publication and presentation	Higher order achievement motive. Use case studies prepared by themselves for teaching purposes.
Contemporary understanding	Meet the company resources during the time of student internships and explore the opportunities for collaborative research or consulting opportunities.	Helps to get industry understanding and better quality of work experience.

Processes:

Attribute	Action Plan	Outcomes
Admissions Process	Increase the admission strength Increase the other state admissions	Diversified student groups, viability for specializations.
Specializations	Offer major and minor choices	More width and depth in a specialization and yet not getting into a silo.
New Courses	Data Analytics as core course. Specializations in functional analytics.	New stream of specialization could create more opportunities matching to the industry expectations.

Industry involvement	Invite the industry experts as part of evaluation of projects and in curriculum development. Any of the specialization courses to be taught by industry professionals.	Bridging the gap between academics and practice.
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Long Range:

Students:

Attribute	Action Plan	Outcomes
Certification Programs	Tie up with reputed institutions to promote certifications in wide domains	Emerging areas certification will enhance the opportunities.
Student exchanges	Collaborative institutions	Enhance the cultural diversity and learning diversity

Faculty:

Attribute	Action Plan	Outcomes
Training and Consulting Opportunities	25% of their activity time should be spent on industry initiatives.	Contemporary understanding, emerge as consultants. Enrich course teaching with contemporary perspective/
Journal Publication	Faculty to form the initiative to build an editorial board for building a reputed journal	Recognition for the eminence in research.

Processes:

Attribute	Action Plan	Outcomes
Industry connect	Collaborative MoUs matching the industry requirements	Contemporary orientation to the program, strengthened opportunities for students
Admission Process	Diverse students with a certain percentage from outside the state	Peer group learning, group working norms will improve.
Placement Process	Dream offers	10% of the class get dream offers (10 lacs+ salaries). Average salary to be around 7-8 LPA.
New Programs	New undergraduate and postgraduate program in each branch of engineering	Attract experienced professionals to make the institution look dynamic for both student and faculty learning.

SSN is one of the most reputed engineering colleges in India, affiliated to Anna University. The success of an engineering institution depends on the collaborative effort that it makes with industry. The focus of our strategy is to build such a dynamic interface with industry which encourages all stakeholders to benefit.

SWOT Analysis:

Strengths:

1. Strong brand pull.
2. Social orientation of the Foundation in Mission.
3. Dedicated infrastructure for academics with serene ambience.
4. Industry networking and regular recruiters across functional areas.
5. Hybrid learning model of industry and academics driving the pedagogy.

Weaknesses:

1. Research capabilities.
2. Industry touch to the research.
3. Established Excellency centers.
4. Dedicated EDP platform.
5. Diversity in admissions.
6. Entrepreneurial efforts.

Opportunities:

1. Data Analytics and Engineering Consulting market segments are growing with a need for good Entrepreneurial Engineers.
2. New undergraduate and postgraduate program in each branch of engineering
3. Expanding the admissions.
4. Faculty on consulting roles with start-up companies.
5. Rural engagement and societal outreach. (Social opportunity)
6. EDP requirements with TN being a hub for industry growth. (Training opportunity)

Threats:

1. Challenges in faculty resource availability.
2. Dynamics of industry are too rapid, adaptability related to requirements of industry.
3. Educational technology threatening the physical mode of delivery of academics.
4. Online/ certification programs as a threat.
5. Gen Z's approach towards learning.

Action Plan:

Immediate (1 year)

1. To overcome heterogeneity among students (*which will continue due to the dual admission process*), install effective mechanisms in place to identify weak students and facilitate performance improvement.
2. Identify and reward good performers more frequently to slowly inculcate a competitive spirit
3. Impart life-skills through workshops and one-day programs - emotional intelligence, design thinking and critical thinking. These will also lead to better academic performance of students.
4. Introduce business/industry simulation as a part of the learning process.
5. Introduce contemporary topics in all courses, as add-ons.
6. Teach ethics as a non-credit course till curriculum changes.
7. Proactively identify high quality competitive events. Identify students inclined towards a particular event and train them. Competing with the best will result in a better student at the end of the day.
8. Set a target for faculty members to publish papers or develop cases based on student projects. Provide appropriate training to achieve this.

Medium term: (3 years)

1. Increase the intake of students to make specializations more viable and prevent excessive fragmentation of the class strength.
 - a. (Since the process of making changes in the curriculum and introduction of new courses requires approval from Board of Studies and the Academic Council, offer them as non-credit courses initially.)

2. Introduce a specialization pattern of major and minor to enable students get more depth in a specialization and yet not getting into a silos.
3. Offer Data Analytics as a core course for all students.
4. Refine the syllabi of all courses to make them more contemporary.
5. Introduce entrepreneurship and ethics as a part of the curriculum with appropriate credits.
6. Equip faculty members in these areas even if visiting faculty is engaged for new courses. In due course, these must be handled by internal faculty.
7. With increased student strength, introduce a specialization stream for data analytics.
8. Step up Faculty development activities to enable them keep pace with the changing environment.
9. Seek inputs from industry on above changes.
10. Attract students from outside Tamil Nādu.

Long term: (5 years)

1. Strengthen industry connects by seeking collaborative involvement backed up by MOUs. Source better quality projects and internships.
2. Actively seek training and consultancy opportunities for the industry. These are a rich source of teaching content to be used in the class room.
3. Identify reasonably reputed institutions abroad and seek opportunities for collaborative working in research and faculty exchange. Student exchange outside the curriculum.
4. Offer a certificate program in specialized courses to students from other countries.
5. Explore the possibility of mini-student-exchange with local Institutions which are doing better. A week in that institution will expose students to different class culture and will lead to a rub-off effect on others.
6. Introduce new undergraduate and postgraduate program in each branch of engineering