

# Future Architect

## Comprehensive Career Analysis Report

**Prepared for: Sai**

### Target Institute: SSN College of Engineering, Chennai

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Sri Sivasubramaniya Nadar College of Engineering (SSN) is one of the premier private engineering institutions in Tamil Nadu, affiliated to Anna University. Known for its excellent infrastructure, quality education, and strong industry connections, SSN has consistently ranked among the top private engineering colleges in India.

#### Top Premium Institutes

- SSN College of Engineering

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## Comprehensive Career Analysis Report

### Entrance Exam Comprehensive Guide

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<b>Exam Name:</b>	TNEA / JEE Main
<b>Eligibility:</b>	12th pass with 60% in PCM for General category, 50% for reserved categories
<b>Duration:</b>	JEE Main: 3 Hours
<b>Total Marks:</b>	JEE Main: 300 Marks
<b>Pattern:</b>	JEE Main: 90 questions (30 each in Physics, Chemistry, Maths). TNEA: Based on 12th marks
<b>Marking Scheme:</b>	JEE Main: +4 for correct, -1 for incorrect
<b>Difficulty:</b>	Moderate - JEE Main level
<b>Prep Time:</b>	1-2 years for JEE Main
<b>Success Rate:</b>	Good placement for top 50% students

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### Cutoff Analysis & Historical Trends

Year	Trend	Cse Cutoff	Ece Cutoff	General Cutoff
2024	Stable	195-198 (JEE Main)	185-190	170+
2023	Rising	193-196	183-188	168+
2022	Stable	190-194	180-185	165+

### Career Progression Roadmap

Year 1	Foundation courses in Engineering. Introduction to Programming (C, Python). Joining technical clubs like GLUG, IEEE.
Year 2	Core subjects begin. First internship opportunities. Participation in hackathons and coding competitions.
Year 3	Advanced subjects and electives. Summer internships (crucial). Project work begins. Preparation for placements.
Year 4	Final year project. Campus placements (Aug-Feb). Higher studies preparation. Startup incubation opportunities.

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### Campus Facilities & Infrastructure

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<b>Hostel:</b>	Separate hostels for boys and girls, AC/Non-AC options, 24x7 security, mess facilities
<b>Library:</b>	Central library with 1+ lakh books, digital resources, e-journals, 24x7 reading room
<b>Sports:</b>	Cricket, Football, Basketball, Tennis, Badminton, Gym, Swimming pool
<b>Clubs:</b>	50+ clubs - Technical (GLUG, IEEE, CSI), Cultural, Sports, Entrepreneurship
<b>Labs:</b>	State-of-the-art labs for CSE, ECE, Robotics, IoT, AI/ML
<b>Transport:</b>	College buses covering major areas of Chennai

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### Return on Investment (ROI) Analysis

Metric	Details
Tuition Fees	INR 3-3.5 Lakhs per year (Total: 12-14 Lakhs for 4 years)
Hostel Fees	INR 1-1.5 Lakhs per year
Total Cost	INR 16-20 Lakhs (including hostel, mess, books)
Avg Salary	INR 6-8 LPA
Highest Salary	INR 40-50 LPA
Median Salary	INR 5-6 LPA
Break Even Period	2-3 Years
5 Year Growth	150-200% Salary Hike
Placement Percentage	85-90%
Value Proposition	Good ROI for a private college in Chennai

### Placement Statistics

Placement Percentage:	85-90%
Avg Ctc:	INR 6-8 LPA
Median Ctc:	INR 5-6 LPA
Highest Ctc:	INR 40-50 LPA
Top Sectors:	Software/IT (60%), Core Engineering (15%), Analytics (10%), Consulting (5%), Others (10%)
Dream Offers:	10-15% students get 10+ LPA offers

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### Skill Development Matrix

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#### Technical Skills:

Programming (C, C++, Java, Python), Data Structures & Algorithms, Web Development, Database Management, Cloud Computing, AI/ML Basics

#### Soft Skills:

Communication, Team Work, Problem Solving, Time Management, Presentation Skills

#### Future Ready Skills:

AI/ML, Cloud Technologies, IoT, Cybersecurity, Data Science

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### Top Recruiters by Sector

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<b>Tech Giants:</b>	Cognizant, TCS, Infosys, Wipro, HCL
<b>Product Companies:</b>	Zoho, Freshworks, PayPal, Amazon
<b>Startups:</b>	Razorpay, Chargebee, Kissflow
<b>Core:</b>	Ashok Leyland, TVS, L&T
<b>Analytics:</b>	Mu Sigma, LatentView

### Student Life & Culture

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<b>Culture:</b>	Balanced academic and extracurricular culture. Strong technical community.
<b>Diversity:</b>	Students from Tamil Nadu and other states
<b>Events:</b>	Invente (Tech fest), Culturals, Sports day, Hackathons
<b>Location_Advantage:</b>	Located on OMR - IT corridor, close to major tech companies
<b>Social_Life:</b>	Active club culture, weekend events, proximity to Chennai beaches

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## *Comprehensive Career Analysis Report*

### **Strategic Recommendations & Success Tips**

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- Target 195+ in JEE Main for CSE at SSN
- Strong focus on 12th board exams as TNEA considers board marks
- SSN has excellent placement record - aim for top 30% of class
- Active participation in coding clubs and hackathons highly valued
- Good for students who want quality education in Chennai
- Campus is located on OMR - excellent connectivity and IT hub proximity



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### Locations & Courses Offered

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#### Locations:

Chennai (OMR - Old Mahabalipuram Road)

#### Courses Offered:

B.Tech (CSE, ECE, IT, EEE, Mech, Civil, Chem), M.Tech, MBA, Ph.D.