

Future Architect

Comprehensive Career Analysis Report

Prepared for: Sai

Target Institute: SSN College of Engineering, Chennai

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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Entrance Exam Comprehensive Guide

Exam Name: TNEA / JEE Main

Eligibility: 12th pass with 60% in PCM for General category, 50% for reserved categories

Duration: JEE Main: 3 Hours

Total Marks: JEE Main: 300 Marks

Pattern:

JEE Main: 90 questions (30 each in Physics, Chemistry, Maths). TNEA: Based on 12th marks

Marking Scheme:

JEE Main: +4 for correct, -1 for incorrect

Difficulty: Moderate - JEE Main level

Prep Time: 1-2 years for JEE Main

Success Rate: 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

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

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

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

Student Life & Culture

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

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Strategic Recommendations & Success Tips

- 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

Locations:

Chennai (OMR - Old Mahabalipuram Road)

Courses Offered:

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