

Future Architect

Comprehensive Career Analysis Report

Prepared for: Sai

Target Institute: Indian Institute of Science (IISc)

IISc is India's premier institution for scientific research and higher education.

Top Premium Institutes

- IISc Bengaluru

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Entrance Exam Comprehensive Guide

Exam Name: JEE Main/Adv / NEET / IAT

Duration: Varies

Pattern:

Varies by channel. Research aptitude is tested.

Marking Scheme:

Standard competitive exam marking.

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Cutoff Analysis & Historical Trends

Year	Trend	Jee Adv Rank	Neet Rank
2023	Very High	Top 360	Top 15
2022	High	Top 360	Top 15

Career Progression Roadmap

- Year 1** Core Science (PCMB) + Engineering basics.
- Year 2** Pre-major courses. Lab rotations.
- Year 3** Major declaration. Advanced research projects.
- Year 4** Senior Thesis. Publication of research papers.

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Return on Investment (ROI) Analysis

Metric	Details
Tuition Fees	Low (Subsidized)
Avg Salary	INR 15-20 LPA (Industry)
Highest Salary	Research Grants / PhD Stipends
Break Even Period	Immediate
5 Year Growth	Academic/Research Prestige

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Skill Development Matrix

Technical Skills:

Data Analysis, Lab Techniques, Scientific Writing, Coding

Soft Skills:

Curiosity, Patience, Analytical Thinking

Future Ready Skills:

Quantum Tech, Bio-informatics, Nanotech

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Top Recruiters by Sector

Research:	ISRO, DRDO, CSIR Labs
Industry:	Google Research, IBM Research, Pfizer, AstraZeneca
Academia:	Top Global Universities (MIT, Stanford, etc.)

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Strategic Recommendations & Success Tips

- Research mindset is essential.
- Strong fundamentals in Physics and Maths are required even for Bio streams.
- For B.Sc. (Research), JEE Advanced rank < 360 is a safe target.

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Locations & Courses Offered

Locations:

Bengaluru

Courses Offered:

B.Sc. (Research), M.Tech, Ph.D., Integrated Ph.D.