

Future Architect

Comprehensive Career Analysis Report

Prepared for: Sai

Target Institute: Indian Institutes of Science Education and Research (IISER)

IISERs are premier public research institutions promoting scientific education.

Top Premium Institutes

- IISER Pune
- IISER Kolkata
- IISER Mohali

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Entrance Exam Comprehensive Guide

Exam Name: IISER Aptitude Test (IAT)

Duration: 3 Hours

Pattern:

60 Questions (15 each from PCMB). Total 240 Marks.

Marking Scheme:

+4 correct, -1 wrong.

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Cutoff Analysis & Historical Trends

Year	Trend	Kolkata Cutoff Rank	Pune Cutoff Rank
2023	Rising	Top 800	Top 500 (IAT)
2022	Stable	Top 900	Top 550 (IAT)

Career Progression Roadmap

Year 1-2	Foundation in PCMB. Interdisciplinary approach.
Year 3-4	Major selection. Advanced courses. Summer projects.
Year 5	MS Thesis. Full-time research.

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Return on Investment (ROI) Analysis

Metric	Details
Tuition Fees	Moderate
Avg Salary	INR 10-15 LPA (Industry)
Highest Salary	PhD Stipends (Global)
Break Even Period	1-2 Years
5 Year Growth	High in R&D Sectors

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Skill Development Matrix

Technical Skills:

Research Methodology, Statistical Analysis, Lab Safety

Soft Skills:

Observation, Critical Analysis, Collaboration

Future Ready Skills:

Climate Science, Data Science, Genetics

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Top Recruiters by Sector

R&D:	Shell, Unilever, GE Healthcare
Academia:	PhD in US/Europe
Tech:	Data Science Roles

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Strategic Recommendations & Success Tips

- Attempt all sections (PCMB) in IAT for a better score.
- Biology in IAT is basic; Maths students should attempt it.
- IISER Pune is the most sought after; target 180+/240.

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Locations & Courses Offered

Locations:

Pune, Kolkata, Mohali, Bhopal, Thiruvananthapuram

Courses Offered:

BS-MS Dual Degree, Ph.D.