



Sri SAI RAM INSTITUTE OF TECHNOLOGY

An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi

Accredited by NBA and NAAC "A+" | An ISO 9001:2015 Certified and MHRD NIRF ranked institution

Sai Leo Nagar, West Tambaram, Chennai - 600 044. www.sairamit.edu.in



BESTPRACTICE -1

1. Title of the Practice

GATE Coaching Classes for Engineering Students

2. The Context

GATE (Graduate Aptitude Test in Engineering) coaching classes play a vital role in helping engineering students prepare for the exam effectively. With expert faculty, structured content, and extensive practice material, coaching classes provide the necessary tools for success. Whether students opt for offline or online coaching, the goal remains the same: to achieve a high GATE score and secure admission to top institutions or and a high-paying job in a public sector company.

3. Objectives of the Practice

1Structured Preparation: Coaching classes provide a well-organized syllabus, dividing the vast GATE curriculum into manageable sections, helping students cover every topic systematically.

2. Expert Guidance: Students receive guidance from experienced faculty who have deep knowledge of the GATE exam pattern, question types, and important topics, ensuring focused and efficient preparation.

3. Time Management: GATE coaching helps students learn time management skills by offering tips on how to approach different sections of the exam efficiently and practice solving questions within the given time frame.

4. Conceptual Clarity: The classes emphasize the development of a strong foundation in key concepts and principles of engineering subjects, ensuring that students understand the "why" and "how" behind the concepts.

5. Practice and Mock Tests: GATE coaching often includes regular mock tests, sample papers, and previous year's question papers. These tests help students evaluate their progress, familiarize themselves with the exam pattern, and identify areas of improvement.

6. Problem-Solving Skills: Coaching classes provide numerous problem-solving sessions to help students enhance their analytical and problem-solving skills, which are essential for GATE.

7. Exam Strategy and Tips: Trainers teach students strategies for approaching the exam effectively, including managing stress, handling difficult questions, and prioritizing topics.

8. Increased Confidence: Regular assessments, personalized feedback, and ongoing support from mentors help students build confidence in their abilities, reducing exam anxiety.



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- 9. Access to Resources:** Coaching centers often provide study materials, textbooks, video lectures, and online resources, which help students in their self-study process and keep them updated on any changes in the exam pattern or syllabus.
- 10. Targeted Preparation for PSUs:** Many coaching centers provide tailored programs that also help students prepare for GATE-based recruitment in Public Sector Undertakings (PSUs), which often use GATE scores for hiring.

By addressing these areas, GATE coaching classes aim to optimize students' preparation, improve their chances of success in the exam, and guide them toward their academic and career goals in the engineering domain.

4. The Practice

Attending GATE coaching classes can be beneficial for students who need structured guidance, access to quality resources, and expert support to prepare effectively for the exam. However, self-discipline and dedication remain key, and a combination of coaching and self-study often works best.



5. Obstacles faced/Problems encountered:

While GATE coaching classes provide vital support in exam preparation, students often face numerous challenges. Overcoming these obstacles requires structured coaching and self-discipline, as well as access to the right resources and a focused study plan.

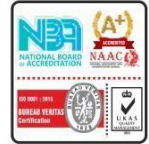


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6. Impact of the Practice / Evidence of Success:

GATE coaching classes play a pivotal role in shaping the future of engineering students. Through expert guidance, structured learning, and focused preparation strategies, these classes significantly enhance students' chances of success in the GATE exam. The impact is evident in improved performance, higher success rates, and better career opportunities for students who undergo such training.

7. Resources required:

By efficiently managing these resources, GATE coaching can provide an environment conducive to learning and help students achieve success in the competitive exam.

Contact Details

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BEST PRACTICES FOR SWAYAM-NPTEL **(National Programme on Technology Enhanced Learning)**

NPTEL (National Programme on Technology Enhanced Learning) is a project initiated by IITs (Indian Institutes of Technology) and IISc (Indian Institute of Science) to offer online courses in engineering, science, and humanities subjects. Here are some best practices to follow to make the most of NPTEL courses:



Objective of the Practice

The objective of **NPTEL** (National Programme on Technology Enhanced Learning) is to provide high quality online education and promote learning in a variety of academic disciplines, especially in engineering, science, management & humanities. Its key objectives include :

1. Choose the Right Course

- **Assess your needs:** Before enrolling in a course, make sure it aligns with your interests or career goals. Take time to read the course description, syllabus, and prerequisites.
- **Select courses based on your level:** Start with beginner or intermediate courses if you're new to the subject. Advanced courses can be taken once you have mastered the basics.

2. Time Management

- **Create a study schedule:** Plan your time wisely, especially if you're balancing the course with other commitments. Set aside regular time for watching videos, completing assignments, and revision.
- **Pacing:** NPTEL courses are typically self-paced, but it's important to keep a steady pace to avoid last-minute rushes. Stick to deadlines for assignments and exams.

3. Active Learning

- **Watch videos attentively:** Make sure to watch the course videos with full attention. Take notes and highlight important points to enhance your understanding.
- **Review and rewatch:** NPTEL courses often have complex topics, so it's helpful to review difficult sections and watch videos multiple times if needed.

4. Engage with the Course Content

- **Participate in discussions:** NPTEL has a forum or discussion platform where learners can ask questions, answer others, and engage in discussions. Participate actively to clear doubts and reinforce concepts.
- **Work on assignments:** NPTEL courses have assignments that help in reinforcing the learned material. Treat these as an opportunity to test your understanding.



5. Utilize Additional Resources

- **Use reference materials:** NPTEL courses usually recommend textbooks or other resources. Utilize these to deepen your understanding.
- **Supplement with external sources:** If you're struggling with some topics, look for other online resources or textbooks to get different perspectives.

6. Focus on Certification Exams

- **Understand the exam pattern:** NPTEL provides certification exams that are optional but highly recommended for gaining recognition. Review the syllabus, format, and the weight of assignments versus exam.
- **Prepare well for exams:** Take the mock tests if available. Prioritize understanding the concepts and not just rote learning.

SIT-NPTEL Result Analysis Sept., Oct. & Nov.2024 - Departmentwise																
Sl. No.	Department	Certificate Categorywise										LC Point				
		Register	Gold	Silve	Elite	SC	No Certific	Absent	Certific	%	Toppr	Gold	Silve	Elite	Toppr	LC Total
1	CSE	879	26	179	224	149	231	70	578	65.76	44	208	895	448	440	1991
2	IT	760	37	131	347	140	75	30	655	86.18	38	296	655	694	380	2025
3	ECE	691	5	116	234	166	138	32	521	75.40	15	40	580	468	150	1238
4	EEE	278	6	48	82	72	72	18	188	67.63	9	48	240	124	90	502
5	MECH	375	0	20	121	107	102	25	248	66.13	1	0	100	242	10	352
6	AIDS	353	3	86	140	61	54	9	290	82.15	16	24	430	280	160	894
7	CCE	215	3	40	59	59	48	6	161	74.88	10	24	200	118	100	442
8	SC	267	10	52	61	77	50	17	200	74.91	13	80	260	122	130	592
9	S&H	105	4	25	40	12	5	15	81	77.14	8	32	125	80	80	317
10	M.E.(ISE)	2	0	0	0	1	1	0	1	50.00	0	0	0	0	0	0
11	MBA	136	2	9	47	41	25	12	99	72.79	7	16	45	94	70	225
	Successfully Completed															100
	Present															10
		4061	96	706	1335	885	801	234	3022	74.42	161	768	3530	2670	1610	8688

All the Heads of the departments can monitor the usage and utilization of NPTEL platform. A Half Yearly report on utilization metrics pertaining to their department has to be submitted to the Dean (Academics).

7. Collaborate and Network

- **Group study:** If possible, study with peers who are also taking the same course. This will allow you to exchange ideas, help each other with difficult topics, and stay motivated.
- **Networking with instructors:** NPTEL courses often allow you to interact with instructors or teaching assistants. Don't hesitate to reach out if you have questions or need clarification.

8. Make Use of NPTEL's App and Website Features

- **Download videos for offline learning:** The NPTEL mobile app allows you to download course videos, which is useful if you have limited internet access.
- **Track your progress:** Monitor your progress through the NPTEL platform and keep an eye on any pending assignments or exams.

9. Maintain Consistency

- **Regular study sessions:** Make it a habit to study regularly to maintain consistency and avoid burnout. It's better to study a little every day than cram everything at once.
- **Avoid procrastination:** Keep distractions at bay and try to stick to your study schedule.



10. Feedback and Improvement

- **Provide feedback:** At the end of the course, provide constructive feedback. This helps improve future courses and allows you to reflect on your own learning journey.
- **Identify areas for improvement:** After completing a course, identify areas where you faced difficulties and work on improving those through further learning or practice.

Conclusion

By following these best practices, you can enhance your learning experience and make the most of the resources NPTEL offers. NPTEL is a powerful tool for self-paced learning, and with the right approach, you can master new subjects and earn valuable certifications to boost your career.

Resources required

A system/ laptop/Mobile, Uninterrupted internet connections, Swayam NPTEL Website

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