

Alumni Speak: GATEway-II

Program coordinator
Divyabh Tyagi
ME 2009



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General overview of GATE

Speaker: Krishna Meerendra



General overview of GATE exam (exam format, score validity, etc.)

GATE Overview

GATE - GRADUATE APTITUDE TEST in ENGINEERING (Computer based test)

Conducted by 7 IIT's and IISc (Started from 1983), Ministry of HRD

Eligibility - Third year/final year engg. students/ graduates in engineering

Format -No. of questions, duration, total marks, pattern of questions, negative marking

Score validity - 3 years

Exam Date - First or second week of February, duration 3 hrs.

Qualification rate - 17.82% (year 2021) (details on next slide)

GATE score shows relative performance, calculated out of 1000

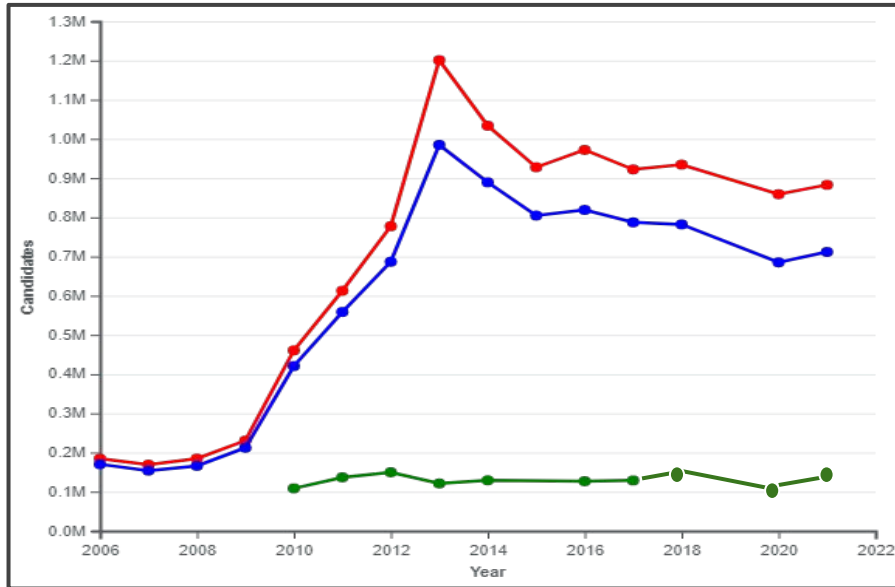
Easiest way to get into an IIT.

Annual no. of test takers 7,11,542.No age limit criteria by conducting authority.

Additional Information

Statistics of GATE Exam

Registered ● Qualified ● Appeared ●



Branch Wise Successful Percentage of Candidates in GATE

GATE YEAR	EE	EC	CE	ME	CS	Total
2016	12.59	15.13	13.62	14.63	14.83	14.16
2017	13.14	14.93	15.54	17.82	15.91	15.46
2018	16.04	15.77	16.48	15.84	15.58	15.94
2019	15.47	16.01	14.73	18.03	16.52	15.63
2020	15.95	15.33	14.83	17.32	16.21	18.80
2021	17.41	13.84	17.19	17.15	17.37	17.82

Various options available through GATE

M.Tech

- **India:** Top 7 IITs, new IITs, NITs, other top universities (e.g. IIT Delhi, IIT Kanpur, IIT Bombay, NIT Bhopal, DTU)
- **Foreign:** Technical University of Germany, RWTH Germany, NUS and NTU in Singapore.

MS

- Research oriented programme
- Colleges like IIT Madras, IIT Delhi etc. offer such course

PSU Jobs (some examples)

- **Maharatna companies:** NTPC, IOCL, ONGC, CIL, SAIL, GAIL,
- **Miniratna companies:** AAI, BEML, BSNL, NHPC, THDC, RITES
- **Navratna companies:** NMDC, OIL, NALCO, BEL, HAL, EIL

M.Tech + PhD Dual Course

- Generally a 5 year course.
- e.g. IIT Kanpur, IIT Kharagpur etc

IIM Fellowship Program

- Fellowship management programme by various IIMs
- e.g. IIM Bangalore, IIM Ranchi, IMT Hyderabad etc.

Pros and Cons of M.Tech Vs working in PSUs

M.Tech	PSUs
<p>Pros</p> <ul style="list-style-type: none">Specialization programmeEnhance knowledgeMarket needMore demandPursue Doctoral degreeDesired working profile in jobStipend for two years	<p>Pros</p> <ul style="list-style-type: none">Handsome salaryGood allowancesJob securityLess stressGood working environmentStability
<p>Cons</p> <ul style="list-style-type: none">Low package jobs (for some branch)Higher job stress .Lesser job security	<p>Cons</p> <ul style="list-style-type: none">Not always your desired working profileRemote posting location in most PSU like PGCIL,COAL INDIA etc.Repetitive work in most cases



Post GATE Interview Preparation

WHAT TO PREPARE?

- About the Organisation
- Be thorough with the most generalised question “Introduce Yourself”.
- The meaning of your name and your place of birth.
- Any special event happened on your date or year of birth.
- Technical Interview Questions related to your domain.
- Your strength & weaknesses.
- If in job, your job profile and about the job to be done after selection.
- Explanation about your gap years & grades if uneven.
- Prepare Current Affairs: Have thorough knowledge on current burning issues & recent research topics related to your domain.

HOW TO PREPARE?

Just open the video recorder in your phone or preferably laptop & with multiple recordings try to analyse your facial expression, way of answering, stammering etc.



GATE Preparation

Speaker: Radha Agarwal





What/When to Do? - Preparation Journey

Phase 1	Phase 2	Phase 3	Phase 4
Studying Gate subjects for first time	Gate Focused Material	Test Series	Final Boost Up
<ul style="list-style-type: none">-> Ideal Time: 5th Sem-> NPTEL, standard books-> Start with easy subjects-> One go through of all gate subjects will be best	<ul style="list-style-type: none">-> Ideal Time: 6th Sem-> Solve Previous Year Papers-> Solve different materials-> Read all subjects again-> Develop numerical approach	<ul style="list-style-type: none">-> Ideal Time: 7th Sem-> Make short notes-> Attempt at least two test series-> Try to solve questions within time-> Note down good Questions-> Revise attempted tests also	<ul style="list-style-type: none">-> Ideal Time: Dec-Jan-> Attempt mock tests (15-20)-> Revise short notes periodically-> Solve noted good questions-> Solve Previous Year Papers

How to do?



- Have a vision - divide the available time wisely
- Follow strict weekly and daily plan - Maintain To-do list
- Take college as advantage - save small time slots



- Focus more on solving problems rather than reading theory
- Note down common mistakes
- Use Gate Calculator only



- Test Series - Speed and Accuracy are must.
- Identify your weak portions - work on them
- Solve others doubts, discuss with friends.



Preparation Material

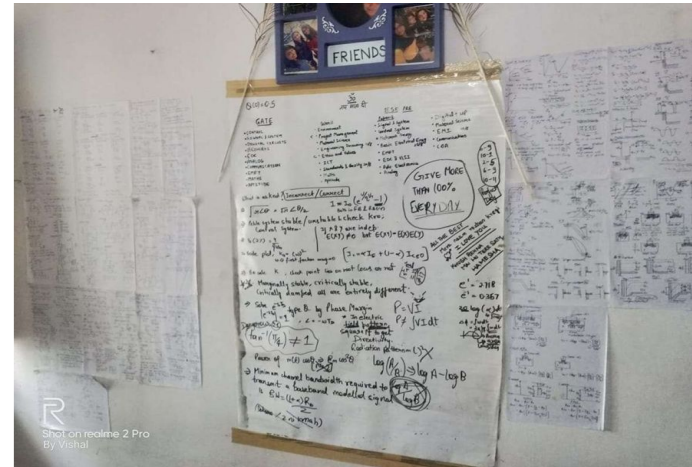
- Make a wise choice with preparation material
 - General Recommendations - Semester books, Coaching Materials, Bits n Bytes and Test Series
 - ECE - Kanodia (Network, Digital, EDC, Control, Signal & System, Analog), Sadiku (EMFT), Schaum Series (Signal & Communication), Streetman (EDC), Gaonkar (Microprocessor), Millman & Halkias(Analog)
 - EE - Electrical Machines,Power Electronics(PS Bimbhra),Power System(Stevenson/Kothari) Electrical Measurements(AK Sawhney),Digital(Morris Mano),Control System(M Gopal)
 - ME - Fluid Mechanics(Yunas A Cengel), Material Science(Callister), IC Engine(V Ganeshan) RAC(CP Arora),Power Plant(PK NAG), Theory Of Machines(SS Rattan).
- Take at least two test series - Taking is not sufficient, attempt them
 - Some good options - Made Easy (All), Ace (All), Gate Academy (EC/EE), Kreatryx (ECE/EE), Exergic (ME), IES Master (CE/ME)

Study Habits

The time for action is now, it's never too late to do something.

- Antoine de Saint-Exupéry

- Don't underestimate yourself - be consistent
- Study because of discipline not motivation
- Positive take away from peer pressure.
- Target AIR 1 - You will end up below 100 :)



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GATE Preparation (cont.) and Exam Day


Speaker: Shantanu Srivastava



How to know whether you need to join coaching or not

- Are you comfortable with coaching schedule after college hours?
- You must ask this yourself whether you want to take it to your own pace or by the coaching standards.
- **Your own way of developing and understanding concepts** or pre-fed concepts by coaching institutes?
- **Do you have the time to read books ??**
- Self Learning is a must!!!!


You are Good to Go Now!!!



How to keep yourself focused - meditation, role of sports, etc.

- **Keep taking short breaks (like once in a week, sometimes twice also)**
- **Do what makes you happy and engage yourself in recreational activities once in for a while.**
- **Your Brain isn't a continuously working machine!!!**
- **Merriments!! Come on!! You are a hosteler. At times, keep your mind GATE free.**
- **But Beware!!!..... ..**

Make sure to put some extra efforts to keep yourself synchronised with the studies to never get off the track in recreation.



During GATE exam: General test taking strategies, How to manage time, speed and accuracy

- **Try different methods of attempting test series in your test taking phase.
And don't try to copy anyone's idea feel what is best for you cause it's you alone who's gonna write the exam.**
- **Figure out the way that suits you the most and get the best performance out of yourself and go that way ONLY!!!! If possible write as many tests from the test series as possible**
- **Your calmness saves you the time and your best method gives you the calmness.**
- **For accuracy, have a watch over calculator screen to ensure if you are typing correct digits. This will help in ensuring that you have taken all the terms of formula also.**



Tips for the EXAM day

- **Don't panic be self confident and believe in yourself and your hard work and remove any negative thoughts at that time.**
- **Don't Jump directly to the Aptitude Section as there are traps of difficult questions which might tarnish your self confidence.**
- **Read every question very carefully and try to write what is asked in you scribble pad and in which unit it is asked.**
- **Your first attempted questions should be the ones which you correct 100% like one line questions, simple facts which you know to boost your confidence**
- **A perfect blend of aforementioned will fetch you a perfect rank.**