

TIPS for Career in CS & GATE Preparations

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Major fields

- Higher education
- Govt. jobs (through UPSC)
- PSUs (public sector undertakings)
- Private Jobs / MNCs
- Learning more skills
- Own venture
- Administration services

Higher education

- M.Tech.: IIT/NIT/BITS/MS, ME: USA, Australia, Europe
- Having Master will certainly improve your career prospectus, particularly in MNCs
 - Requirement: GATE, with percentile $> 90\%$
 - Preparation: right from beginning (II yr onwards)
 - Can do one years prep. after B.Tech.
 - Requires thorough and dedicated study
 - In almost all IITs, GATE is the only criteria
 - B.tech. project & seminar important where interview is held
 - More details can be found from their websites/Google

Higher education: MS

- For MS in US: TOEFL and GRE
- All major universities in US offer MS programs:
MIT, Stanford, UC, Univ illn, Cal. Inst of Techn.,
Carnegie Mellon, ...
- Europe Destinations: UK, Netherlands, Sweden,
Switzerland, Germany,

- PSUs, BHEL, ISRO, HAL, BSNL, DRDA, BARC, Indian Railways, Defense
 - GATE is compulsory in majority of Govt. jobs and PSUs
 - All requires strong base in concepts of the courses
 - All have written tests for screening, followed with interviews
 - Direct interviews for GATE qualified in some organizations

Learning more skills - Online

- Edx.org: Communication, CS, Data Analysis, Education & trg, Electronics, ...Free online courses from worlds best universities
- coursera.org: Free online courses from words top universities: Personal development, computer science, data science.
- MIT Free online courses
- Code.org: Any body can learn coding in any language
- codechef.com : Practice, compete, discuss.

- Graduate Aptitude Test in Engineering (GATE) is an exam for those who B.E./B.Tech. Candidates who are currently in final years may also apply for GATE exam.
- You can start your GATE exam preparation from any year of Engineering, 1st, or 2nd, or 3rd or final.
- Dates of Exam: 4, 5, 11, 12 Feb 2017.
- Only **Online mode** is used.
- **Online** Application.
- **Starting date for Application:** 1st Sept. 2016, Ending Date: 4th Oct. 2016.
- Application Fee: 750/- (Women, SC/ST/PWD), 1500/- others
- Websites: gate.iisc.ernet.in, gate.iitr.ernet.in, gate.iitd.ac.in, gate.iitk.ac.in, gate.iitj.ac.in

Important TIPS for preparation of the GATE exams:

- 1 GATE Exam is not looking for any syllabus completion from the candidate. ...
- 2 As a thumb rule, while solving any GATE problem, if the solution takes more than 8 steps, you must re-look at the approach.

General TIPS for preparation of the GATE exams

- 1 A good **understanding** of the basic concepts and their application.
- 2 **Understanding**: One is not supposed to mug up & explain; examination needs candidate to have a common sense.
- 3 While solving the GATE problems, keep balance between **speed** and **accuracy**.
- 4 Preparation time is subjective: Depends on the many factors - individual's aptitude, fundamentals, attitude, concentration etc.
- 5 Typically, a rigorous preparation of 4-6 months is good enough.

More TIPS ...

- 1 Keep a check on your performance; it is compulsory to directly jump to previous GATE question on the topic you just finished.
- 2 A question can be tackled in number of ways. Being innovative and intuitive helps to reach the correct option quickly. It is not compulsory to solve a problem in a typical way.
- 3 Practice comes handy to solve questions quicker.
- 4 Sufficient timely study/ discussion is necessary, so the moment you start reading the question you should judge yourself whether you can solve it.
- 5 One approach for preparation is, to read multiple books on the same subjects.

- ① To support your study with some self notes is good idea. This helps in final revisions.
- ② Always remember “You can get, if you really want” , so positive mind is the key.
- ③ Mild tension can be helpful to have kind of motivation or a sense of duty.
- ④ Avoid thoughts of loosing, which can cause loss of concentration and low performance.

- 1 Always remember, more doubts lead to more concept building, zero doubts leads to minimum concept building.
- 2 Get your self detached from books few days before the exam. Have some good time and relax.

How to act?

- 1 Mentally see yourself succeed
- 2 Concentrate on the syllabus
- 3 Prepare a timetable
- 4 Follow the timetable
- 5 Concentrate on concepts
- 6 Make notes
- 7 Take mock tests

Best of the luck for your preparations
& GATE Examinations.