



Post GATE Options

Career/Higher Education Opportunities

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IET Lucknow (ChemE-Class of 2021)

About Me: An Introduction



Academic Background

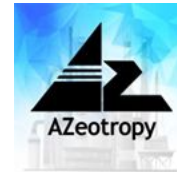


Indian Institute of Technology, Madras
M.S.(R)- Chemical Engineering (2023)



Institute of Engineering and Technology,
Lucknow
B.Tech- Chemical Engineering (2021)

Some Accomplishments



Motivation for this Session: Why?



GATE 2022

Organising Institute: IIT Kharagpur



For current Students-

- GATE 2022 exams occurred recently
- Confused Unga Bunga scenarios

To stress on-

- If not PSU, then what?
- Is PSU your main aim or just peer-pressure / lack of knowledge
- What about higher education?

For young Alumni-

- Why higher education can help them achieve greater heights
- Late realisation in alumni

Let's know the audience



Before we get started,

We'll head over to Mentimeter to assist us in the same!

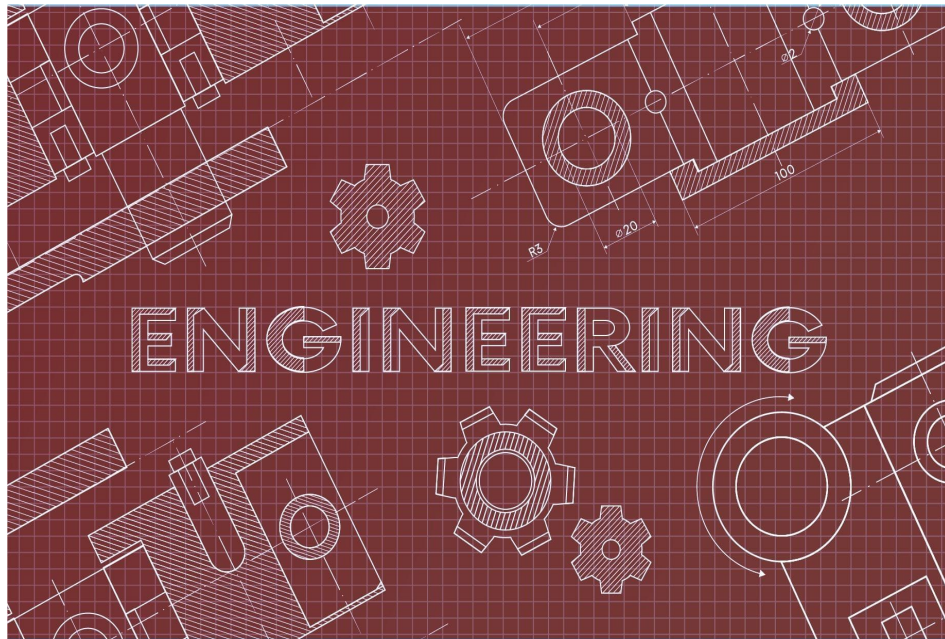


Why Consider Higher Education?

Majority of UG people don't think high of higher education (**Wrong**)

- To grow and get better job opportunities/top positions (*"Undergrad term"*)
- If R&D, Academia or Management moves you
- You don't want to settle for less - explore your maximum potential
- Higher Salaries
- Rapid growth
- More domain knowledge
- More time to think of a career plan and weigh your interests, and so on...

Paths to Higher Education- Engineering



Only considering options for Engineering (not Management).

Two major paths:

1. **Coursework-based** (M.Tech.)
2. **Research-based** (M.S. / Ph.D.)



Coursework vs Research based learning

Coursework-based (M.Tech.)	Research-based (M.S./Ph.D.)
Teacher prescribes courses	Student Identifies Courses
Read Text-Books / Class Notes	Extensive reading of Books and Papers (100s of papers) beyond one's specialization
Ready to accept what is taught; seek small clarifications	Raise big important questions
Study for a few hours at a stretch	Persistent study for a few years at a stretch
Time bound examinations (1-5 hours duration)	Takes 2-6 years
Problems are same for all	Problems are different for different students
One correct Solution to a problem- submitted to the teacher	No correct solution: should be new/original- submitted to international journals/conferences

In Short



M.Tech. is B.Tech. with research work. In other words, you study majorly subjects of B.Tech. in M.Tech., the subjects are more broader than B.Tech. And secondly you have to do research work on your area of interest.

M.S. is pure research oriented and has very less subjects to study like in M. Tech. It is like a mini Ph.D. You have to mainly focus on your thesis work.

M.Tech. is more common in India while M.S. is more common in USA and other countries.

M.S. and M.Tech. are equivalent in terms of validity of degree and also in terms of campus placements (*M.S. edges out M.Tech. by a slim margin though*)



Admission Process- M.S./Ph.D. vs M.Tech.

M.Tech.

Write GATE → Results out → Register for admission @IITs website → Register at COAP portal → Counselling Starts → Get offer-Freeze/Float/Reject → Offer letter

M.S. and Ph.D.

Write GATE → Results out* → Register for research programs @IITs website → Shortlisting (Profile/UG/GATE scores) → Panel Interview → Results → Offer letter*

Timeline of Application

* Some IITs like IIT Madras don't care about GATE marks

What to Choose?



M.Tech. or M.S. (R) or Ph.D.?

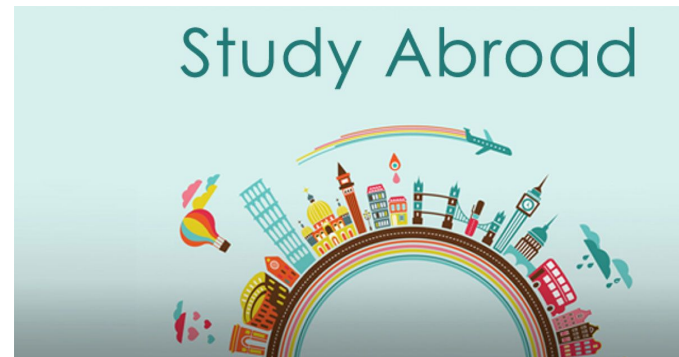
- A. Your personal choice -- Are you into Research / Did you enjoy the way B.Tech. worked?
- B. Your GATE score
 - a. GATE score requirements
 - b. Your background and profile
 - c. Your motivation to tackle complicacies

But there's more to the story...

You can always consider higher education abroad if you intend to settle outside of India (for eg. Shivam Sir (MS-USA), Divyabh Sir (MBA-Europe), Yusuf Sir (Direct Ph.D.-USA), Divyank Sir (M.S.-Australia) and so many more...)

M.S. is self-sponsored (less time, money investment) while
Ph.D. is fully funded (more time, you get money).

This would be a topic of some future discussion. But I do have something as of now ... **Scan the QR code** for a good scholarship guide :)



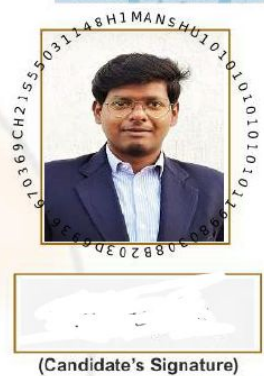
Something Personal...



1. *Don't feel lost if your GATE didn't go as expected.*
2. *It is okay to mess up sometimes*
3. *You can still do good with life if you are determined.*
4. *There is still a chance to excel!*

Candidate's Details

Name	
HIMANSHU	
Parent's / Guardian's Name	
VIJAY KUMAR NISHAD	
Registration Number	Date of Birth
	08-Mar-1998
Examination Paper	
Chemical Engineering (CH)	



Performance

GATE Score	369		
Marks out of 100*	36.67		
Qualifying Marks**	35.1	31.5	23.4
	General	EWS/OBC (NCL)	SC/ST/PwD

Number of Candidates Appeared in this paper	16705
All India Rank in this paper	2495

Valid up to 31st March 2024

Let's Conclude

1. Higher Education can be a better option for you if you are ambitious and want to achieve great heights instead of settling for what you got.
2. If you are stuck in a meagre-paying job with little or no scope of progression consider higher education.
3. Choose wisely between M.Tech. vs M.S. vs Ph.D.
4. **Algorithm to live by -**

if (GATE.result == awesome)

chill && party

else

chill && party





Thanks for Your Attention!

Shoot your Questions in the
comment section or hop in
the studio via-

<https://iethub.org/studio>

Or Scan the QR
code to come live

