

4. Career Guidance for Higher Studies and Placement Enhancement Program:

(GATE-2022 Training Classes for III & IV B.Tech Students) 2021-22 AY

GATE-2022 Training Classes conducted for III & IV B.Tech Mechanical Students Phase-1(from 29/11/2021 to 31/12/2021) & Phase-2 (from 03/01/2022 to 11/02/2022)

Facilitators:

Phase	Faculty Members
(Phase-1)	P Gopala Krishnaiah , Assistant Professor, Dept. of ME, PVPSIT
	Ch Lakshmikanth, Assistant Professor, Dept. of ME,
	Dr. Sd. Abdul Kalam, Assistant Professor, Dept. of ME,
	G Bala Krishna, Assistant Professor, Dept. of ME,
	Dr. K Ravi Prakash Babu, Assoc. Professor, Dept. of ME,
	K Sriram Vikas, Assistant Professor, Dept. of ME,
	Dr. P Anusha, Assistant Professor, Dept. of ME,
	K. Venkata Rao, Assistant Professor, Dept. of ME,
(Phase-2)	Dr B Raghu Kumar, HOD, Professor, Dept. of ME,
	Dr P Phani Prasanthi, Assoc Professor, Dept. of ME,
	Mr. T Srinag, Assistant Professor, Dept. of ME,
	Mr. N Raghuram, Assistant Professor, Dept. of ME,
	Dr. V. Sita MahaLakshmi (EM), Assistant Professor, Dept. of FED,
	Mr. G Mahesh (R&A), Assistant Professor, Dept. of T&P,
	Dr. M. Naga Swapna Sri, Assistant Professor, Dept. of ME,
	Mr. P Mastan Rao, Assistant Professor, Dept. of ME,
	Dr. Ch. Kishore Reddy, Assistant Professor, Dept. of ME,
	Mr. T J Prasanna Kumar, Assistant Professor, Dept. of ME,

DEPARTMENT OF MECHANICAL ENGINEERING
GATE-2022 Training Classes (ONLINE)

Time Table

Week-1					
Timings/ Date	29/11/2021	30/11/2021	1/12/2021	2/12/2021	3/12/2021
3:00-5:00 PM	P Gopala Krishnaiah/ Ch Lakshmikanth	Dr B Raghu Kumar/ Dr P Phani Prasanthi	Dr. Sd. Abdul Kalam/ G Bala Krishna	Dr. K Ravi Prakash Babu/ K Sriram Vikas	Dr. P Anusha/ K. Venkata Rao
Week-2					
Timings/ Date	6/12/2021	7/12/2021	8/12/2021	9/12/2021	10/12/2021
3:00-5:00 PM	Dr B Raghu Kumar/ Dr P Phani Prasanthi	P Gopala Krishnaiah/ Ch Lakshmikanth	Dr. K Ravi Prakash Babu/ K Sriram Vikas	Dr. P Anusha/ K. Venkata Rao	Dr. Sd. Abdul Kalam/ G Bala Krishna
Week-3					
Timings/ Date	13/12/2021	14/12/2021	15/12/2021	16/12/2021	17/12/2021
3:00-5:00 PM	Dr. Sd. Abdul Kalam/ G Bala Krishna	Dr B Raghu Kumar/ Dr P Phani Prasanthi	P Gopala Krishnaiah/ Ch Lakshmikanth	Dr. K Ravi Prakash Babu/ K Sriram Vikas	Dr. P Anusha/ K. Venkata Rao
Week-4					
Timings/ Date	20/12/2021	21/12/2021	22/12/2021	23/12/2021	24/12/2021
3:00-5:00 PM	Dr. K Ravi Prakash Babu/ K Sriram Vikas	Dr. Sd. Abdul Kalam/ G Bala Krishna	Dr B Raghu Kumar/ Dr P Phani Prasanthi	P Gopala Krishnaiah/ Ch Lakshmikanth	Dr. P Anusha/ K. Venkata Rao
Week-5					
Timings/ Date	27/12/2021	28/12/2021	29/12/2021	30/12/2021	31/12/2021
3:00-5:00 PM	Dr. P Anusha/ K. Venkata Rao	Dr. K Ravi Prakash Babu/ K Sriram Vikas	P Gopala Krishnaiah/ Ch Lakshmikanth	Dr. Sd. Abdul Kalam/ G Bala Krishna	Dr B Raghu Kumar/ Dr P Phani Prasanthi

B. P. Reddy
HOD 27/11/21

DEPARTMENT OF MECHANICAL ENGINEERING
GATE-2022 Training Classes Phase-2
Time Table

Week-6					
Timings/ Date	3/01/2022	4/01/2022	5/01/2022	6/01/2022	7/01/2022
3:00-5:00 PM	Dr B Raghu Kumar/ Dr P Phani Prasanthi	Mr. T Srinagar/ Mr. N Raghuram	Dr. V. Sita Mahalakshmi (EM)/ Mr. G Mahesh (R&A)	Dr. M. Naga Suresh Sri/ Mr. P Mastan Rao	Dr. Ch. Kishore Reddy / Mr. T J Prasanna Kumar
Week-7					
Timings/ Date	10/01/2022	11/01/2022	12/01/2022	13/01/2022	14/01/2022
3:00-5:00 PM	Dr. Ch. Kishore Reddy / Mr. T J Prasanna Kumar	Dr. V. Sita Mahalakshmi (EM)/ Mr. G Mahesh (R&A)	P Gopala Krishnaiah/ Ch Lakshmikanth	Mr. T Srinagar/ Mr. N Raghuram	Dr. M. Naga Suresh Sri/ Mr. P Mastan Rao
Week-8					
Timings/ Date	31/01/2022	01/02/2022	2/02/2022	3/02/2022	4/02/2022
3:00-5:00 PM	Mr. T Srinagar/ Mr. N Raghuram	Dr. M. Naga Suresh Sri/ Mr. P Mastan Rao	Dr B Raghu Kumar/ Dr P Phani Prasanthi	Dr. Ch. Kishore Reddy / Mr. T J Prasanna Kumar	Dr. V. Sita Mahalakshmi (EM)/ Mr. G Mahesh (R&A)
Week-9					
Timings/ Date	7/02/2022	8/02/2022	9/02/2022	10/02/2022	11/02/2022
3:00-5:00 PM	Dr. M. Naga Suresh Sri/ Mr. P Mastan Rao	Dr. V. Sita Mahalakshmi (EM)/ Mr. G Mahesh (R&A)	Mr. T Srinagar/ Mr. N Raghuram	Dr. Ch. Kishore Reddy / Mr. T J Prasanna Kumar	Dr B Raghu Kumar/ Dr P Phani Prasanthi

HOD, ME



Classroom >

GATE 2022 Training Classes

ME IV Yr & III Yr



Stream

Classwork

People

Grades



Customize

GATE 2022 Training Classes

ME IV Yr & III Yr



Announce something to your class



Gopala Krishnaiah posted a new assignment: Metal casting Gate

Dec 16, 2021



Gopala Krishnaiah posted a new material: Metal casting Gate lecture notes

Dec 16, 2021



Gopala Krishnaiah posted a new material: Metal casting

Dec 16, 2021



Gopala Krishnaiah posted a new material: MCMT

Dec 7, 2021



Dr. P. Prasanthi posted a new material: SM formulas

Nov 30, 2021



Prasanna Kumar T.J.

Nov 29, 2021





Classroom >

GATE 2022 Training Classes

ME IV Yr & III Yr



Stream

Classwork

People

Grades



Add class comment...





Classroom >

GATE 2022 Training Classes

ME IV Yr & III Yr



Stream

Classwork

People

Grades



Teachers



Prasanna Kumar T.J.



Anusha Peyyala



Bala Krishna G

[View all](#)

Students

28 students



Actions



18501A0304 ambati teja...



18501A0310 bandaru ha...



18501A0313 bangaru siv...



18501A0315 bevara teja



18501A0320 chekka ven...



18501A0324 chiruguri n...



18501A0328 gabbita ven...



18501A0332 garimella v...





Stream	Classwork	People	Grades
☐		18501A0350 kotteti shas...	⋮
☐		18501A0357 maruboyan...	⋮
☐		18501A03A9 yakkala bha...	⋮
☐		19501A0303 ALIBILLI G...	⋮
☐		19501A0332 KEMBURI A...	⋮
☐		19501A0336 KORUPROL...	⋮
☐		19501A0357 NEELAPU N...	⋮
☐		19505A0301 annavarapu...	⋮
☐		19505A0304 chandolu j...	⋮
☐		19505A0305 gudivada p...	⋮
☐		19505A0306 gunda rohith	⋮
☐		19505A0309 koothadi s...	⋮
☐		19505A0316 pinjala moh...	⋮
☐		20505A0307 CHIMIRAL...	⋮
☐		20505A0308 CHOKKAR...	⋮



Classroom >

GATE 2022 Training Classes
ME IV Yr & III Yr



Stream

Classwork

People

Grades



20505A0311 JAYAMADH...



20505A0313 KOLA NAG...



20505A0320 PATAN SH...



No of Students Enrolled: 31

Attendance sheets of Phase-1 and Phase-2 GATE-2022 Training Classes

DEPARTMENT OF MECHANICAL ENGINEERING
PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY, KANURU, VIJAYAWADA
Attendance- GATE 2022 Training Classes Phase-I (29/11/2021 to 31/12/2021)

Total No of Students Enrolled: 31

Total No of Students Enrolled: 31		Timings: 3:00 to 5:00 PM																														
Sno.	Student Name	29-Nov	30-Nov	01-Dec	02-Dec	03-Dec	04-Dec	07-Dec	08-Dec	09-Dec	10-Dec	13-Dec	14-Dec	15-Dec	16-Dec	17-Dec	20-Dec	21-Dec	22-Dec	23-Dec	24-Dec	27-Dec	28-Dec	29-Dec	30-Dec	31-Dec						
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2	18501A0310	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24						
3	18501A0313	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15	16	17	18	19	A	20	21	22	23						
4	18501A0315	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	A	A	22	23						
5	18501A0319	1	2	3	A	4	5	6	A	7	8	9	10	11	12	13	14	A	15	16	17	18	19	20	21	A						
6	18501A0320	A	1	2	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	21	A	22						
7	18501A0324	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25						
8	18501A0328	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	A	23						
9	18501A0332	1	2	3	4	A	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23						
10	18501A0340	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24						
11	18501A0345	1	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	A	19	A	20	21	22						
12	18501A0350	1	2	A	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24						
13	18501A0357	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	A	22	A						
14	18501A03A6	1	2	3	4	5	6	7	A	8	A	9	10	11	12	13	A	14	15	16	17	18	19	20	21	22						
15	18505A0301	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25						
16	18505A0304	1	2	3	4	5	6	7	8	A	9	10	11	12	13	14	15	16	17	18	19	A	20	21	22	23						
17	18505A0305	A	1	2	3	A	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23						
18	18505A0306	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A						
19	18505A0309	1	2	3	4	5	6	7	A	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23						
20	18505A0318	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	A	23	24						
21	18501A0303	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25						
22	18501A0332	1	2	3	A	4	5	6	7	8	A	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23						
23	18501A0336	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	A	16	A	17	A	18	19	20	21	22						
24	18501A0352	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24						
25	18501A0357	1	2	3	4	5	6	A	A	7	8	9	10	11	12	13	14	15	16	A	17	18	19	A	20	21						
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27	20505A0308	1	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	24						
28	20505A0309	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	A	19	20	21	22	A	23						
29	20505A0311	1	2	3	4	5	6	7	8	9	A	10	A	11	A	12	13	14	15	16	17	18	19	20	21	22						
30	20505A0313	A	A	A	1	2	3	A	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21						
31	20505A0320	A	A	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	A						
Total		25/31	28/31	29/31	29/31	29/31	30/31	28/31	26/31	30/31	27/31	30/31	29/31	29/31	30/31	27/31	30/31	30/31	29/31	30/31	30/31	28/31	29/31	26/31	29/31	27/31						

HOD, ME

	Student Name	03-Jan	04-Jan	05-Jan	06-Jan	07-Jan	08-Jan	09-Jan	10-Jan	11-Jan	12-Jan	13-Jan	14-Jan	15-Jan	01-Feb	02-Feb	03-Feb	04-Feb	07-Feb	08-Feb	09-Feb	10-Feb	11-Feb
Sno																							
1	18501A0304	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
2	18501A0310	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
3	18501A0313	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
4	18501A0315	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
5	18501A0319	1	2	3	A	4	5	6	A	7	8	9	10	11	12	13	14	A	15	16	17	18	
6	18501A0320	A	1	2	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	
7	18501A0324	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
8	18501A0328	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	
9	18501A0332	1	2	3	4	A	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	
10	18501A0340	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
11	18501A0345	1	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	
12	18501A0350	1	2	A	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
13	18501A0357	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	
14	18501A0359	1	2	3	4	5	6	7	A	8	A	9	10	11	12	13	A	14	15	16	17	18	
15	19505A0301	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
16	19505A0304	1	2	3	4	5	6	7	8	A	9	10	11	12	13	14	15	16	17	18	19	20	
17	19505A0306	A	1	2	3	A	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
18	19505A0308	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
19	19505A0309	1	2	3	4	5	6	7	A	8	9	A	10	11	12	13	14	15	16	17	18	19	
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21	19501A0308	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
22	19501A0332	1	2	3	A	4	5	6	7	8	A	9	10	11	12	13	14	15	16	17	18	19	
23	19501A0336	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	A	16	A	A	17	18	
24	19501A0352	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
25	18501A0357	1	2	3	4	5	6	A	A	7	8	9	10	11	12	13	14	15	16	A	17	18	
26	20505A0307	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
27	20505A0308	1	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	
28	20505A0309	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	A	19	20	
29	20505A0311	1	2	3	4	5	6	7	8	9	A	10	A	11	A	A	12	13	14	15	16	17	
30	20505A0313	A	A	A	1	2	3	A	4	6	6	7	8	9	10	11	12	13	14	15	16	17	
31	20505A0320	A	A	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15	16	17	18	

meet.google.com/hut-wafz-fhd?authuser=0&gl=1

Dr. P. Premalal is presenting

STRESS - STRAIN DIAGRAM

The mechanical properties of a material are determined in the laboratory by performing tests on small specimens of the material in the materials testing laboratory. The most common materials test is the tensile test performed on a specimen of the material.

Fig. 1.10 Stress-strain Diagram

A - Proportional Limit B - Elastic Limit
C - Ultimate Tensile Strength D - Fracture

10 others

3:50 PM | hut-wafz-fhd

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3:57 PM | hut-wafz-fhd

Participants:

- 18501A0316 hannah baji
- 18501A0303 ALIBALI GOVARDHAN GAHSEM K...
- 20505A0308 CHOKKARA MAHESH
- 18501A0328 gokhale varsha ramana datt
- 18501A0310 bandaru hamsa vardhan
- 19501A0333 KEMBURI ASHOK
- 19501A0301 annamurthy subbarao
- 20505A0330 PAZAM BHARUK KHAN
- 19501A0324 KORUPROLU VISHWANADHA APPA...

16:57 01-12-2021

Section 2 Applied Mechanics and Design

Engineering mechanics. Free-body diagrams and equilibrium. Friction and its applications including rolling friction, belt friction, wedges, machine screw fast, wedge, inclined, etc. Trusses and frames. Stress and Strain. Dynamics of rigid bodies in plane motion. Kinematics and kinetics of particles and rigid bodies. Work and energy. Conservation of energy. Lagrange's equation.

Mechanics of materials. Stress and strain. Elasticity concepts. Poisson's ratio. Mohr's circle for plane stress and plane strain. For cylinders. Torsion. Bending moment diagrams. Bending and shear stresses. Concepts of stress concentration. Failure of brittle ductile. Euler's theory of columns. Energy methods. Thermal stresses. Thin plates and heat transfer. Analysis of materials with advanced testing methods. Testing of materials and impact strength.

Theory of Machines. Kinematics. Kinetics and statics. Analysis of plane mechanisms. Dynamic analysis of linkages, gears, gears and gear trains, cams and governors. Balancing of reciprocating and rotating masses. Synthesis.

Vibrations. Free and forced vibration of single degree of freedom systems, effect of damping. Vibration isolation. Seismometers, seismic spectra of shocks.

3:34 PM | 300 words | 100%

Maximum Distortion Energy Theory

According to the theory, failure of the member takes place if the shear strain energy produced due to complex loading equals to the shear strain energy in simple tension test.

The σ_1, σ_2 is used for ductile materials (into stress)

$\sigma_1 = \frac{\sigma_x + \sigma_y}{2} + \sqrt{\left(\frac{\sigma_x - \sigma_y}{2}\right)^2 + \tau_{xy}^2}$

$\sigma_2 = \frac{\sigma_x + \sigma_y}{2} - \sqrt{\left(\frac{\sigma_x - \sigma_y}{2}\right)^2 + \tau_{xy}^2}$

$\tau_{max} = \frac{1}{2} \sqrt{(\sigma_x - \sigma_y)^2 + 4\tau_{xy}^2}$

$\sigma = \frac{P}{A} = \frac{4P}{\pi d^2}$

$\tau = \frac{4P}{\pi d^2}$

$\tau = \frac{\sigma}{2}$

$\tau = \frac{\sigma}{2}$

$\tau = \frac{\sigma}{2}$

3:34 PM | 300 words | 100%

GATE-2022 QUALIFIED STUDENTS

The following students qualified in GATE 2022

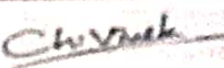
S No	Name of the Student	Admit Card No.	GATE Score
1	CH V SUMANTH SRIRAM VIVEK	ME22S86115053	370


Head of the Department

GATE 2022 Scorecard

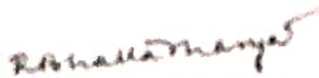
Graduate Aptitude Test in Engineering (GATE)

अभियंत्रण विज्ञान की स्नातकोत्तर परीक्षा

Name of Candidate	CHAKKA VENKATA SUMANTH SAIRAM VIVEK	
Parent's/Guardian's Name	CHAKKA VENKATA RAMANA MURTHY	
Registration Number	ME22586115053	
Date of Birth	20-Mar-2001	
Examination Paper	Mechanical Engineering (ME)	

GATE Score:	370	Marks out of 100*:	29.9		
All India Rank in this paper:	10835	Qualifying Marks**	General	EWS/OBC (NCL)	SC/ST/PwD
Number of Candidates Appeared in this paper	89567		28.1	25.2	18.7

Valid up to 31st March 2025


Prof. Ranjan Bhattacharyya
 Organising Chairman, GATE 2022
 on behalf of NCB-GATE, for MoE



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* Normalized marks for Civil Engineering (CE) and Mechanical Engineering (ME) Papers

** A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with this score card.

Organising Institute: Indian Institute of Technology Kharagpur

General Information

The GATE 2022 score is calculated using the formula

$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(M_t - M_q)}$$

where,

M is the marks obtained by the candidate in the paper, mentioned on this GATE 2022 scorecard

M_q is the qualifying marks for general category candidate in the paper

M_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of the candidates who appeared in the paper (in case of multi-session papers including all sessions)

$S_q = 350$, is the score assigned to M_q

$S_t = 900$, is the score assigned to M_t

In the GATE 2022 score formula, M_q is 25 marks (out of 100) or $\mu + \sigma$, whichever is greater. Here μ is the mean and σ is the standard deviation of marks of all the candidates who appeared in the paper.

Qualifying in GATE 2022 does not guarantee either an admission to a post-graduate program or a scholarship/assistantship. Admitting institutes may conduct further tests and interviews for final selection.

Graduate Aptitude Test in Engineering (GATE) 2022 was organized by Indian Institute of Technology Kharagpur on behalf of the National Coordination Board (NCB) – GATE for the Department of Higher Education, Ministry of Education (MoE), Government of India.