

**V Siddhartha Engineering College::Autonomous**  
**Department of Mechanical Engineering**

Date: 12-01-2023

**NOTICE**


The department of Mechanical Engineering is conducting GATE exam classes. All the 4/4 B.Tech students are hereby informed to attend the GATE classes without fail.

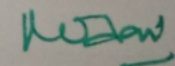
<b>Date</b>	<b>Time</b>	<b>Subject/Topics</b>	<b>Faculty</b>
19-01-2023 Thursday	11.30 AM-1PM	<b>Casting and Joining Processes:</b> Different types of castings, design of patterns, moulds and cores; solidification and cooling; Riser and gating design. Principles of welding, brazing, soldering and adhesive bonding.	Dr.SR
	2 PM-3.30 PM	<b>Metal Forming:</b> Plastic deformation and yield criteria; fundamentals of hot and cold working processes; load estimation for bulk (forging, rolling, extrusion, drawing)	Dr. VBR
20-01-2023 Friday	10 PM-11.30PM	<b>Engineering Materials:</b> Structure and properties of engineering materials, phase diagrams, heat treatment, stress-strain diagrams for engineering materials.	Dr.GDB
	11.30 PM-1 PM	<b>Machining and Machine Tool Operations:</b> Mechanics of machining; basic machine tools; single and multi-point cutting tools, tool geometry and materials, tool life and wear; economics of machining; principles of non-traditional machining processes; abrasive machining processes; principles of work holding, jigs and fixtures; NC/CNC machines and CNC programming	Dr. KSP
	2 PM-3.30 PM	<b>Metal Forming:</b> Sheet (shearing, deep drawing, bending) metal forming processes;	Dr. VBR
21-01-2023 Saturday	10 PM-11.30PM	<b>Metrology:</b> Limits, fits and tolerances; linear and angular measurements; comparators; interferometry; form and finish measurement; alignment and testing methods; tolerance analysis in manufacturing and assembly; concepts of coordinate-measuring machine (CMM)	Dr. KSP

	11.30 PM-1 PM	<b>Computer Integrated Manufacturing:</b> Basic concepts of CAD/CAM and their integration tools; additive manufacturing.	Dr.VLK
23-01-2023 Monday	11.30 AM-1PM	<b>Production Planning and Control:</b> Forecasting models, aggregate production planning, scheduling, materials requirement planning; lean manufacturing. <b>Operations Research:</b> Linear programming, simplex method, transportation, assignment, network flow models, simple queuing models, PERT and CPM.	Dr.CNR
	2 PM-3.30 PM	<b>Inventory Control:</b> Deterministic models; safety stock inventory control systems.	Dr.KPB
24-01-2023 Tuesday	11.30 AM-1PM	<b>Heat Transfer:</b> Modes of heat transfer; one dimensional heat conduction, resistance concept and electrical analogy, heat transfer through fins; unsteady heat conduction, lumped parameter system, Heisler's charts;	Dr. KR
	2 PM-3.30 PM	Thermal boundary layer, dimensionless parameters in free and forced convective heat transfer, heat transfer correlations for flow over flat plates and through pipes, effect of turbulence; heat exchanger performance, LMTD and NTU methods; radiative heat transfer, Stefan Boltzmann law, Wien's displacement law, black and grey surfaces, view factors, radiation network analysis.	Dr.KNMR
25-01-2023 Wednesday	11.30 AM-1PM	<b>Fluid Mechanics:</b> Fluid properties; fluid statics, forces on submerged bodies, stability of floating bodies; control-volume analysis of mass, momentum and energy; fluid acceleration; differential equations of continuity and momentum; Bernoulli's equation;	Dr. CM
	2 PM-3.30 PM	Dimensional analysis; viscous flow of incompressible fluids, boundary layer, elementary turbulent flow, flow through pipes, head losses in pipes, bends and fittings; basics of compressible fluid flow.	Dr.AV

27-01-2023 Friday	10 PM-11.30PM	<b>Thermodynamics:</b> Thermodynamic systems and processes; properties of pure substances, behavior of ideal and real gases; zeroth and first laws of thermodynamics, calculation of work and heat in various processes;	Dr. MJP
27-01-2023 Friday	11.30 AM-1 PM	Second law of thermodynamics; thermodynamic property charts and tables, availability and irreversibility; thermodynamic relations.	Dr.SSP
	2 PM-3.30 PM	<b>Turbomachinery:</b> Impulse and reaction principles, velocity diagrams, Pelton-wheel, Francis and Kaplan turbines; steam and gas turbines	Dr. GJR
28-01-2023 Saturday	10 PM-11.30PM	<b>Power Engineering:</b> Air and gas compressors; vapour and gas power cycles, concepts of regeneration and reheat. <b>I.C. Engines:</b> Air-standard Otto, Diesel and dual cycles.	Dr. KS,
	11.30 PM-1 PM	<b>Refrigeration and air-conditioning:</b> Vapour and gas refrigeration and heat pump cycles; properties of moist air, psychrometric chart, basic psychrometric processes.	Dr. BRR
30-01-2023 Monday	11.30 PM-1PM	<b>Engineering Mechanics:</b> Free-body diagrams and equilibrium; friction and its applications including rolling friction, belt-pulley, brakes.	Dr.VBKM
	2 PM-3.30 PM	Kinematics and dynamics of rigid bodies in plane motion; impulse and momentum (linear and angular) and energy formulations; Lagrange's equation.	Dr. NRK
31-01-2023 Tuesday	11.30 PM-1PM	<b>Mechanics of Materials:</b> Stress and strain, elastic constants, Poisson's ratio; Mohr's circle for plane stress and plane strain; thin cylinders; shear force and bending moment diagrams; bending and shear stresses; concept of shear centre;	Sri. PSKR
	2 PM-4 PM	Deflection of beams; torsion of circular shafts; Euler's theory of columns; energy methods; thermal stresses; strain gauges and rosettes; testing of materials with universal testing machine; testing of hardness and impact strength.	Dr. MSL
01-02-2023 Wednesday	12 PM-1PM	<b>Theory of Machines:</b> Displacement, velocity and acceleration analysis of plane mechanisms; dynamic analysis of linkages; cams; gears and gear trains;	Dr.MB

	2 PM-3.30 PM	Flywheels and governors; balancing of reciprocating and rotating masses; gyroscope.	Sri. CHVP
02.02.2023 Thursday	11.30AM-1PM	<b>Machine Design:</b> Design for static and dynamic loading; failure theories; fatigue strength and the SN diagram; principles of the design of machine elements such as bolted, riveted and welded joints;	Dr.NRK
	2 PM-3.30 PM	Shafts, gears, rolling and sliding contact bearings, brakes and clutches, springs.	Dr. MBC
03.02.2023 Friday	10 AM-11.30AM	<b>Vibrations:</b> Free and forced vibration of single degree of freedom systems, effect of damping;	Dr. RVK
	11.30 AM-1 PM	Vibration isolation; resonance; critical speeds of shafts.	Sri. PGN
	2 PM-3.30 PM	<b>Engineering Mechanics:</b> clutches, screw jack, wedge, vehicles, etc.; trusses and frames; virtual work;	Dr.VBKM

  
 Dr.K.Siva Prasad  
 Coordinator

  
 Dr.N.Vijaya Sai  
 Professor & Head  
 Professor & Head  
 Department of Mechanical Engineering  
 V.R.Siddhartha Engineering College  
 VIJAYAWADA-520 007.

Department of Mechanical Engineering  
VR Siddhartha Engineering College

List of students registered for GATE 2022-23 training classes

Sl. No	Name	Roll Number
1	MANOJKUMAR AGINAMPUDI	198W1A0302
2	APPINEDI RAVI SAI KUMAR	198W1A0303
3	Jayaudaykumar Barla	198W1A0306
4	Hemanth Kumar Bodepu	198W1A0308
5	BALAVENKATANAGURU BOKKA	198W1A0309
6	CHITTINENI BALA MANIKANTA	198W1A0313
7	SADIKBASHA DUDEKULA	198W1A0317
8	GANDHAM DHANYA LAHARI	198W1A0319
9	GURIJALA MANOJ	198W1A0321
10	KALAPALA RAVINDRA AKASH PILOT	198W1A0324
11	KURAPATI PRIYAMVADA	198W1A0328
12	Venkatesh Kurra	198W1A0329
13	Balajee Landa	198W1A0330
14	MENDEM BEULAH PRATHIBHA	198W1A0335
15	Mirza Masroor Raza	198W1A0336
16	MIRZA MOHAMMAD HIKMATULLAH BAIG	198W1A0337
17	Munagala leela mangesh	198W1A0339
18	NAGIDI HEMSAI	198W1A0343
19	Nimmala Venkata Kalyan	198W1A0346
20	P Akhil	198W1A0348
21	REJETI KIRAN	198W1A0352
22	Almueed Shaik	198W1A0355
23	SHEIKH AFEF AHMED	198W1A0358
24	KANDURI SRINIVA SARAMAN	198W1A0359
25	Hemanth	198W1A0360
26	CHINTALA SRI VARSHA	198W1A0368
27	DADITHOTA JASHUVA	198W1A0369
28	DONEPUDI YASWANTH SAI	198W1A0370
29	Gandi Bharath Kumar	198W1A0373
30	GONUGUNTLA PRAVEEN KUMAR	198W1A0375
31	GUMMIDI DURGA PRASAD	198W1A0377
32	Rohit	198W1A0379
33	Naga Phanindra Babu kambala	198W1A0380
34	KONDAPALLI NIKHIL CHAND	198W1A0385
35	Korata siva teja	198W1A0386

36	Kuppala Venkata Shyam	198W1A0387
37	Ganesh Lanka	198W1A0389
38	Madem Uday siddartha	198W1A0390
39	MEKALA UMA MAHESH	198W1A0394
40	MANOJKUMAR NALLURI	198W1A0395
41	PONNEGANTI SIVA PRASAD	198W1A03A1
42	POTHALA UDAY KUMAR	198W1A03A2
43	BHARATHNAGASIVASAI PUDI	198W1A03A4
44	Ram Reddy Polu	198W1A03A6
45	SAMMETA SAI KRISHNA	198W1A03A9
46	NIKHILENDRAKISHORE SARIDE	198W1A03B1
47	SHAIK AFROZ	198W1A03B3
48	SHAIK ISMAIL	198W1A03B4
49	SHAIK NISHATH AFROZ	198W1A03B5
50	RAKESH VALLABHANENI	198W1A03B9
51	Veerla Harish Kumar	198W1A03C0
52	VEMA BINDU RAVITEJA	198W1A03C1
53	YANDAMURI DHARMA JAY	198W1A03C2
54	Harshavardhanvarma Yarra	198W1A03C3
55	YERRA MANIDEEP	198W1A03C4
56	ARJA SAI PHANI HARSHA	198W1A03C7
57	BHANUPRAKASH CHINCHINADA	198W1A03D2
58	CHIPPALA DURGA RAKESH	198W1A03D3
59	Naveen Chitluri	198W1A03D4
60	DAMERLA TEJA	198W1A03D7
61	Devu ravi sai sudhakar	198W1A03D9
62	MOHANTHI KANAPARTHI	198W1A03F2
63	KATHIROJU NANDA KISHORE	198W1A03F4
64	KODALI HARSHAVARDHAN	198W1A03F5
65	KONDA CHAITANYA SAI TEJA	198W1A03F6
66	Koppisetty sai tarun	198W1A03F7
67	Krishna sai morla	198W1A03F8
68	Vidyadhar Nannapaneni	198W1A03G4
69	NEELAKANTAM HARI CHARAN	198W1A03G5
70	PONNAMALLA KARTHIK SURYA	198W1A03G8
71	NAGA VENKATA PRADEEP PUPPALA	198W1A03H0
72	Fathimunnisa Shaik	198W1A03H2
73	V G CHERAN SESHAGIRIRAO INNAMURI	198W1A03I1
74	VADDADI VIVEK	198W1A03I3
75	Vemuri akshay	198W1A03I5
76	Daggumalli Mohana Ranga Rao	208W5A0302
77	INTHIYAZ KHAN	208W5A0304
78	KALADI KALADI SRINU	208W5A0305
79	KAMMA RADHA KRISHNA	208W5A0306
80	PAMPANA RAGHU VENKAT	208W5A0307

81	CHOKKAPU KARTHIK	208W5A0308
82	DOKKU HARI KRISHNA	208W5A0310
83	Saianusha Puritipati	208W5A0311
84	PYDISETTI VAMSI	208W5A0312
85	Saivarun Savalam	208W5A0313
86	Bhavana Chintha	208W5A0316
87	VENAKATA NARASAMMA GARNEPUDI	208W5A0317
88	LACHIPATULA UPENDRA	208W5A0318
89	Manoj	208W5A0319
90	Jagadeesh Siriki	208W5A0321

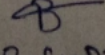


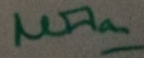
**V R Siddhartha Engineering College**  
**Department of Mechanical Engineering**

The list of students attended for the GATE Classes.

Date: 19/11/23  
Time: 11.30 Am  
1.00

S.No.	Roll Number	Name	Signature
1	198W1A03H2	SK.Fathimurrahisa	SK.Fathimurrahisa
2	208W5A0316	CH. Bhavana	Ch. Bhavana
3	198W1A03B5	SK. Nishath Afroz	SK. Nishath Afroz
4	198W1A0392	M. Leela Kavithra Baku	M. Leela Kavithra Baku
5	198W1A0319	G. Dhanya Lakshmi	Dhanya Lakshmi
6	198W1A0334	M. Anusha	Anusha
7	198W1A0317	Sadik Basha	Sadik Basha
8	198W1A0310	CH. Prakash Raj	Prakash Raj
9	198W1A0324	Akash Pilot	Akash Pilot
10	198W1A0326	Pavan Kumar	Pavan Kumar
11	198W1A0332	M. Chaitanya	Chaitanya
12	198W1A0348	Akhil Kumar	Akhil Kumar
13	198W1A0353	R. Sasath Kumar	Sasath Kumar
14	198W1A0359	K. Ramani	Ramani
15	198W1A0360	Hemanth Kumar	Hemanth Kumar
16	198W1A0321	G. Manoj	Manoj
17	198W1A0313	Ch. Balaramanik	Balaramanik
18	198W1A0336	MOHAMMAD	Mohammad
19	198W1A03D5	Ch. Pramod	Pramod
20	198W1A03A0	P.V. Mahalathu	Mahalathu
21	198W1A03G8	P. Karthik Surya	P. Karthik Surya
22	198W1A03D6	P. Dakesh Kumar	P. Dakesh Kumar

Signature of Faculty:   
Faculty Name: Dr. B. Supriya Reddy

  
(Dr. N. Vijaya Sai)  
Professor & Head



V R Siddhartha Engineering College  
Department of Mechanical Engineering

Date: 19/1/2023

The list of students attended for the GATE Classes.

Time: 2.00 PM - 3.30 PM

S.No.	Roll Number	Name	Signature
1.	198WIA0385	Sk. Nishath Afroz	Sk. Nishath Afroz
2.	198WIA0392	M. Leela Krishna Babu	M. Leela Krishna Babu
3.	198WIA0361	V. Sai Sreej	V. Sai Sreej
4.	198WIA0348	P. Akhil	P. Akhil
5.	198WIA0333	M. Charan naga Vijay	M. Charan naga Vijay
6.	198WIA0303	A. Ravi Sankumar	A. Ravi Sankumar
7.	198WIA0329	K. Venkatesh	K. Venkatesh
8.	198WIA0327	K. Nithin Kumar	K. Nithin Kumar
9.	198WIA0317	D. Sadik Basha	D. Sadik Basha
10.	198WIA0343	N. Hemsai	N. Hemsai
11.	198WIA0353	R. Sarath	R. Sarath
12.	198WIA0359	K. S. Raman	K. S. Raman
13.	198WIA0358	SK. Afeef	SK. Afeef
14.	208WIA0302	D. Myal	D. Myal
15.	198WIA0363	R. SARATH	R. SARATH
16.	198WIA0336	M. Masroor Raza	M. Masroor Raza
17.	198WIA0310	Ch. Prakash Raj	Ch. Prakash Raj
18.	198WIA0354	R. Jatin.	R. Jatin.
19.	198WIA0323	Nishanth. ila	Nishanth. ila
20.	198WIA0305	SK. Alwheed	SK. Alwheed
21.	198WIA0319	G. Dhanya Lathari	G. Dhanya Lathari
22.	198WIA03D5	Ch. Phaneed	Ch. Phaneed
23.	198WIA03D6	P. Dakesh Kumar.	P. Dakesh Kumar.

Signature of Faculty: NBSM  
Faculty Name: V-D API RASU

NBSM  
(Dr. N. Vijaya Sai)  
Professor & Head