



SAMSKRUTI

COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to JNTU Hyderabad

Accredited by
NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL
with 'A' Grade

An Autonomous
Institution


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NBA
NATIONAL BOARD
OF ACCREDITATION

5.1.4 Number of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the year

A.Y: 2021-2022

Year	Name of the Activity conducted by the HEI to offer guidance for competitive examinations offered by the institution during the last five years		Name of the Activity conducted by the HEI to offer guidance for career Counseling offered by the institution during the last five years	
	Name of the Activity	Number of students attended / participated	Details of career counseling	Number of students attended / participated
2021-2022	GATE COACHING CLASSES	284		195
2021-2022			Career Counseling	503

PRINCIPAL

PRINCIPAL

Samskruti College of Engineering and Technology
Kondapur (V), Ghatkesar (M), Medchal Dist.



SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to JNTUH.)
Kondapur(V), Ghatkesar(M), Medchal(Dist)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CIRCULAR

Date: 09/12/2021

All the students of B. Tech III year are informed that the Department of Computer Science & Engineering is conducting "COMPETITIVE EXAMINATIONS: GATE COACHING CLASSES" scheduled from 14/12/2021 to 24/01/2022 (04:30PM to 06:30PM). All the students are requested to utilize the opportunity to crack the GATE examination. Enroll your names at office of HOD-CSE on or before 13/12/2021. Schedule for GATE coaching classes will be issued soon.


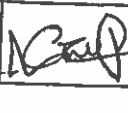
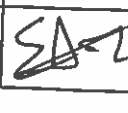

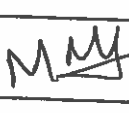
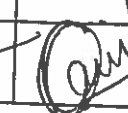
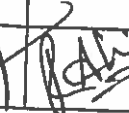
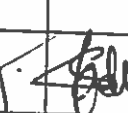
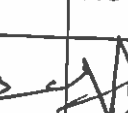
Note:- Bus Facility will be provided from our college premises to Uppal X Road at 06:30 PM.


HOD-CSE


PRINCIPAL

CC to

1. Hon'ble Chairman /Secretary-For information
2. Principal Office
3. All HODs
4. Notice Board

IQAC	CE	EEE	ME	ECE	CSE	MBA	H&S	AO
								



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SYLLABUS FOR GATE EXAM

Section 1: Engineering Mathematics

Discrete Mathematics: Propositional and first order logic. Sets, relations, functions, partial orders and lattices. Monoids, Groups. Graphs: connectivity, matching, coloring.
Combinatorics: counting, recurrence relations, generating functions.
Linear Algebra: Matrices, determinants, system of linear equations, eigenvalues and eigenvectors, LU decomposition.
Calculus: Limits, continuity and differentiability. Maxima and minima. Mean value theorem.
Integration.
Probability and Statistics: Random variables. Uniform, normal, exponential, poisson and binomial distributions.
Mean, median, mode and standard deviation. Conditional probability and Baye's theorem.

Section-2: Digital Logic –

Boolean algebra. Combinational and sequential circuits. Minimization. Number representations and computer arithmetic (fixed and floating point).

Section-3: Computer Organization and Architecture –

Machine instructions and addressing modes. ALU, data-path and control unit. Instruction pipelining, pipeline hazards.
Memory hierarchy: cache, main memory and secondary storage;
I/O interface (interrupt and DMA mode).

Section-4: Programming and Data Structures –

Programming in C. Recursion. Arrays, stacks, queues, linked lists, trees, binary search trees, binary heaps, graphs.

Section-5: Algorithms –

Searching, sorting, hashing. Asymptotic worst case time and space complexity.
Algorithm design techniques: greedy, dynamic programming and divide-and-conquer. Graph traversals, minimum spanning trees, shortest paths

Section-6: Theory of Computation –

regular expressions and finite automata. Context-free grammars and push-down automata.

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Regular and context-free languages, pumping lemma. Turing machines and undecidability.

Section-7: Compiler Design –

Lexical analysis, parsing, syntax-directed translation. Runtime environments. Intermediate code generation.

Local optimisation,

Data flow analyses: constant propagation, liveness analysis, common subexpression elimination.

Section 8: Operating System –

System calls, processes, threads, inter-process communication, concurrency and synchronization.

Deadlock. CPU and I/O scheduling. Memory management and virtual memory. File systems.

Section-9: Databases –

ER-model. Relational model: relational algebra, tuple calculus, SQL. Integrity constraints, normal forms. File

organization, indexing (e.g., B and B+ trees). Transactions and concurrency control.

Section-10: Computer Networks –

Concept of layering: OSI and TCP/IP Protocol Stacks;

Basics of packet, circuit and virtual circuit-switching;

Data link layer: framing, error detection, Medium Access Control, Ethernet bridging;

Routing protocols: shortest path, flooding, distance vector and link state routing;

Fragmentation and IP addressing, IPv4, CIDR notation, Basics of IP support protocols (ARP, DHCP, ICMP), Network Address Translation (NAT);

Transport layer: flow control and congestion control, UDP, TCP, sockets;

Application layer protocols: DNS, SMTP, HTTP, FTP, Email.



HOD

Head of the Department
Computer Science and Engineering
Samskruti College of Engineering and Technology



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DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY1	Discrete Mathematics: Propositional and first order logic. Sets, relations, functions, partial orders and lattices.
DAY2	Graphs: connectivity, matching, coloring. Combinatorics: counting, recurrence relations Generating functions
DAY 3	Linear Algebra: Matrices, determinants, system of linear equations, eigenvalues and eigenvectors, LU decomposition
DAY 4	Eigenvalues and eigenvectors, LU decomposition, Calculus: Limits, continuity and differentiability. Maxima and minima. Mean value theorem
DAY 5	Integration. Probability and Statistics: Random variables. Uniform, normal, exponential, poisson and binomial distributions
DAY 6	Integration. Probability and Statistics: Random variables. Uniform, normal, exponential, poisson
DAY 7	Mean mode and standard deviation. Conditional probability and Bayes theorem.
DAY 8	Boolean algebra. Combinational and sequential circuits. Minimization. Number representations and computer arithmetic (fixed and floating point).
DAY 9	Machine instructions and addressing modes. ALU, data-path and control unit. Instruction pipelining, pipeline hazards
DAY 10	Memory hierarchy: cache, main memory and secondary storage; I/O interface (interrupt and DMA mode).
DAY 11	Programming in C. Recursion. Arrays, stacks, queues, linked lists, trees, binary search trees, binary heaps, graphs.
DAY 12	Searching, sorting, hashing. Asymptotic worst case time and space complexity.


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DAY 13	Regular expressions and finite automata. Context-free
DAY 14	Regular and context-free languages, pumping lemma. Turing machines and undecidability.
DAY 15	Local optimisation, Data flow analyses: constant propagation, liveness
DAY 16	System calls, processes, threads, inter-process
DAY 17	Deadlock. CPU and I/O scheduling. Memory management and virtual memory. File systems.
DAY 18	ER-model. Relational model: relational algebra, tuple calculus, SQL. Integrity constraints, normal forms.
DAY 19	File organization, indexing (e.g., B and B+ trees). Transactions and concurrency control. Concept of layering: OSI and TCP/IP Protocol Stacks;
DAY 20	Basics of packet, circuit and virtual circuit-switching; Data link layer: framing, error detection, Medium Access Control, Ethernet bridging;
DAY 21	DHCP, ICMP), Network Address Translation (NAT);


COORDINATOR


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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

LIST OF REGISTERED STUDENTS

S.NO	ROLL NO	STUDENT NAME
1	18U11A0535	DONEPUDI SOMAYAJI KARTHIK
2	18U11A0536	ERAGANABOEINA SAI TARUN
3	18U11A0552	MANDA VINAY
4	19U11A0501	SHARMA AMRIT
5	19U11A0502	ARE SANDEEP
6	19U11A0503	BHEEMANATHI SUMANTH KUMAR
7	19U11A0504	BOMMA PRASHANTH
8	19U11A0505	DARAM ANJALI
9	19U11A0506	DHEGE SHUBHAM
10	19U11A0507	ELLENDULA SUDHAKAR
11	19U11A0508	G LAVANYA
12	19U11A0509	GAJEWELL KEERTHANA
13	19U11A0510	GANURE SHIVANI
14	19U11A0511	GUBBALA JASHVANTHI PRIYANKA
15	19U11A0512	KANAMATHA REDDY RENUKA
16	19U11A0513	KARUMOJU SUSHMITHA
17	19U11A0514	M KOUSHIK
18	19U11A0515	MANIKBANDAR BHUVANESH
19	19U11A0516	MOHAMMAD NEHA SULTHANA
20	19U11A0517	MUSTYALA SRINIDHI
21	19U11A0518	MUTHA VISHNU VARDHAN
22	19U11A0519	MYLA IDA SOPHIA
23	19U11A0520	NAGULA LAHARIKA
24	19U11A0521	NARLA PRASHANTH
25	19U11A0522	PAILA SAI KIRAN
26	19U11A0523	PINNI THARUN TEJA
27	19U11A0524	POIKADI AJAY
28	19U11A0525	PORANDLA UMESH
29	19U11A0526	RAMIDI SOWMYA
30	19U11A0527	SHIVANURI KISHORE
31	19U11A0528	SIDDAVATHULA SHRUTHI
32	19U11A0529	THIRUVANANTHALWAN RAVALI


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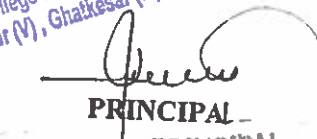
33	19U11A0530	UNDADI MOUNIKA
34	19U11A0531	VALMIKI MADHAVA NAIDU
35	19U11A0532	VINUKONDA VIJAY KUMAR
36	19U11A0533	YASWANTH CHANUMOLU
37	19U11A0534	ANNAPUREDDY KEERTHI
38	19U11A0535	DADHICH SUNIL KUMAR
39	19U11A0536	DANTHURI UDAY KUMAR
40	19U11A0537	GASHIKANTI SAITEJA
41	19U11A0538	KUNCHARAPU SAI KUMAR
42	19U11A0539	M ACHARYA PRADYUMNA
43	19U11A0540	MOTHE SAI KRISHNA
44	19U11A0541	S SHIVAMANI
45	19U11A0542	VANGALA SAI LAKSHMI MYTHILI
46	19U11A0543	GANTA SATYA SUBRAMANYAM
47	19U11A0544	JAIDI MUKESH REDDY
48	19U11A0545	K AKHILA
49	19U11A0546	KASHIREDDY SAGAR REDDY
50	19U11A0547	KATABATHINI MANOHAR
51	19U11A0548	KEDAR JOSHI
52	19U11A0549	KODAMASIMHAM SAI JITENDRA
53	19U11A0550	MASUM REJA
54	19U11A0551	MEDIPALLY SAI SUBRAMANYAM SHARMA
55	19U11A0552	PANDUGA D NANDA KUMAR
56	19U11A0553	SAAHIL SHARMA
57	19U11A0554	SK FARHAD
58	19U11A0555	VADLAKONDA SARITHA
59	19U11A0556	VALLEPU LAVANYA
60	19U11A0557	VENKAT YASHWANTH VARDHAN R
61	19U11A0558	YEKA DHAN KARTHIK
62	19U11A0559	YENDLURI KARTHIK CHOWDARY
63	19U11A0560	KATHE SHARANU BASWARAJ
64	19W81A0523	SURI LAXMI NARASIMHA ADITYA THARUN
65	20U15A0501	CHENNOJU SRAVANI


CO-ORDINATOR


HOD

Head of the Department
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

REPORT

DATE:09/ 12//2021

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 14/12/2021 to 24/01/2022

TIMINGS: 04:30PM TO 06:30PM

The management of Samskruti College of Engineering and Technology has conducted coaching classes for III year B.Tech students for GATE and other Competitive exams.

As per the direction given by the IQAC, the Department of Computer Science & Engineering has conducted GATE COACHING CLASSES during working days from 04:30PM to 06:30PM for III B-TECH students.


The following subjects taught by the following faculty:

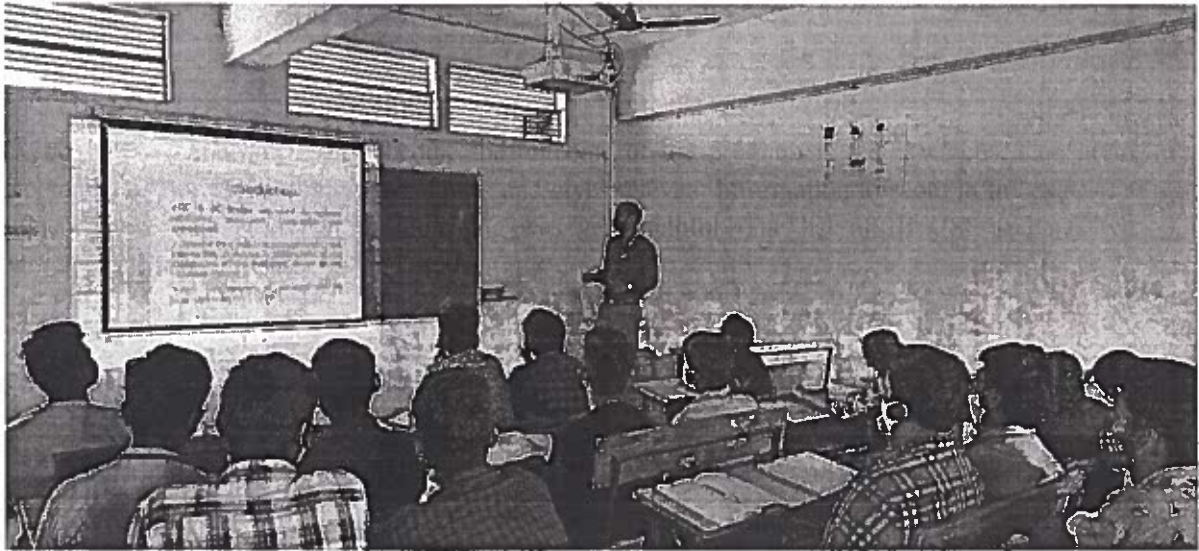
S.No	Name of the Subject	Subject Expert
1	Engineering Mathematics	SWAPNA D
2	Digital Logic	SANDEEP KUMAR VASA
3	Computer Organization and Architecture	A KIRAN KUMAR REDDY
4	Programming and Data Structures	P SATYANARAYANA
5	Algorithms	V CHANDRA SHAKER
6	Theory of Computation	K VAMSHEEKRISHNA
7	Compiler Design -	K VAMSHEEKRISHNA
8	Operating Systems	A DEVI RAJINI
9	Databases	P MEENA KUMARI
10	Computer Networks	SHIVALEELA M


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Every day as per the devised schedule the outcome of the program is mainly focused on giving fundamental knowledge in various subjects and gives relevant information to score in the exam. The students have expressed that the coaching was very helpful. The list of III CSE students who participated in GATE classes is enclosed.



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Head of the Department
Computer Science and Engineering
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ATTENDANCE SHEET


NAME OF THE PROGRAMME: GATE COACHING CLASSES

VENUE: ROOM NO-109 (FIRST FLOOR)


TIMINGS: 04:30PM TO 06:30PM

The list of III Year CSE students attended for the Academic Year: 2021-2022

S.N O	Hall.No	14/ 12	15/ 12	16/ 12	17/ 12	18/ 12	20/ 12	21/ 12	22/ 12	27/ 12	28/ 12	29/ 12	30/ 12	31/ 1	4/ 1	5/ 1	6/ 1	7/ 1	10/ 1	11/ 1	12/ 1	21/ 1
1	18U11A0535	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	18U11A0536	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	18U11A0552	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
4	19U11A0501	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
5	19U11A0502	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	19U11A0503	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	19U11A0504	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
8	19U11A0505	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	19U11A0506	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	19U11A0507	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	19U11A0508	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	19U11A0509	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	19U11A0510	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
14	19U11A0511	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	19U11A0512	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	19U11A0513	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	19U11A0514	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A


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18	19U11A0515	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	19U11A0516	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	19U11A0517	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	19U11A0518	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
22	19U11A0519	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	19U11A0520	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
24	19U11A0521	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
25	19U11A0522	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
26	19U11A0523	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	19U11A0524	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
28	19U11A0525	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	19U11A0526	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
30	19U11A0527	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	19U11A0528	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	19U11A0529	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	19U11A0530	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
34	19U11A0531	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
35	19U11A0532	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	19U11A0533	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	19U11A0534	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
38	19U11A0535	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	19U11A0536	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A


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40	19U11A0537	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
41	19U11A0538	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	19U11A0539	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43.	19U11A0540	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
44	19U11A0541	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
45	19U11A0542	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
46	19U11A0543	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
47	19U11A0544	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
48	19U11A0545	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
49	19U11A0546	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
50	19U11A0547	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
51	19U11A0548	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
52	19U11A0549	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
53	19U11A0550	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
54	19U11A0551	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
55	19U11A0552	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
56	19U11A0553	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57	19U11A0554	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
58	19U11A0555	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
59	19U11A0556	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
60	19U11A0557	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
61	19U11A0558	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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62	19U11A0559	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
63	19U11A0560	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
64	19W81A0523	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
65	20U15A0501	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P


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Computer Science and Engineering
Samskruti College of Engineering and Technology



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CIRCULAR

Date: 09/12/2021

All the students of B. Tech III year are informed that the Department of Electronics and communications Engineering is conducting "COMPETITIVE EXAMINATIONS: GATE COACHING CLASSES" scheduled from 14/12/2021 to 24/01/2021 (04:30PM to 06:30PM). All the students are requested to utilize the opportunity to crack the GATE examination. Enroll your names at office of HOD-ECE on or before 13/12/2021. Schedule for GATE coaching classes will be issued soon.

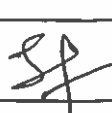
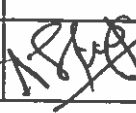
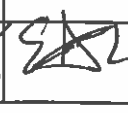
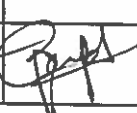
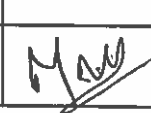
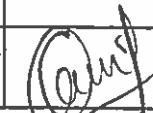

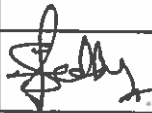
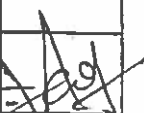
Note:- Bus Facility will be provided from our college premises to Uppal X Road at 06:30 PM.


HOD-ECE


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CC to

1. Hon'ble Chairman /Secretary-For information
2. Principal Office
3. All HODs
4. Notice Board

IQAC	CE	EEE	ME	ECE	CSE	MBA	H&S	AO
								


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SYLLABUS FOR GATE EXAM

Section 1: Engineering Mathematics

Discrete Mathematics: Propositional and first order logic. Sets, relations, functions, partial orders and lattices. Monoids, Groups. Graphs: connectivity, matching, coloring. Combinatorics: counting, recurrence relations, generating functions. Linear Algebra: Matrices, determinants, system of linear equations, eigenvalues and eigenvectors, LU decomposition.

Calculus: Limits, continuity and differentiability. Maxima and minima. Mean value theorem. Integration.

Probability and Statistics: Random variables. Uniform, normal, exponential, poisson and binomial distributions.

Mean, median, mode and standard deviation. Conditional probability and Bayes theorem.

Section 2: Networks, Signals and Systems

Circuit analysis: Node and mesh analysis, superposition, Thevenin's theorem, Norton's theorem, reciprocity. Sinusoidal steady state analysis: phasors, complex power, maximum power transfer.

Time and frequency domain analysis of linear circuits: RL, RC and RLC circuits, solution of network equations using Laplace transform.

Linear 2-port network parameters, wye-delta transformation.

Continuous-time signals: Fourier series and Fourier transform, sampling theorem and applications.

Discrete-time signals: DTFT, DFT, z-transform, discrete-time processing of continuous-time signals. LTI systems: definition and properties, causality, stability, impulse response, convolution, poles and zeroes, frequency response, group delay, phase delay.

Section 3: Electronic Devices

Energy bands in intrinsic and extrinsic semiconductors, equilibrium carrier concentration, direct and indirect band-gap semiconductors.

Carrier transport: diffusion current, drift current, mobility and resistivity, generation and recombination of carriers, Poisson and continuity equations.

P-N junction, Zener diode, BJT, MOS capacitor, MOSFET, LED, photo diode and solar cell.

Section 4: Analog Circuits

Diode circuits: clipping, clamping and rectifiers.

BJT and MOSFET amplifiers: biasing, ac coupling, small signal analysis, frequency response.

Current mirrors and differential amplifiers.

Op-amp circuits: Amplifiers, summers, differentiators, integrators, active filters, Schmitt triggers and oscillators.

Section 5: Digital Circuits

Number representations: binary, integer and floating-point- numbers.

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Combinatorial circuits: Boolean algebra, minimization of functions using Boolean identities and Karnaugh map, logic gates and their static CMOS implementations, arithmetic circuits, code converters, multiplexers, decoders.

Sequential circuits: latches and flip-flops, counters, shift-registers, finite state machines, propagation delay, setup and hold time, critical path delay.

Data converters: sample and hold circuits, ADCs and DACs. Semiconductor memories: ROM, SRAM, DRAM.

Computer organization: Machine instructions and addressing modes, ALU, data-path and control unit, instruction pipelining.

Section 6: Control Systems

Basic control system components; Feedback principle; Transfer function; Block diagram representation; Signal flow graph; Transient and steady-state analysis of LTI systems; Frequency response; Routh-Hurwitz and Nyquist stability criteria; Bode and root-locus plots; Lag, lead and lag-lead compensation; State variable model and solution of state equation of LTI systems.

Section 7: Communications

Random processes: autocorrelation and power spectral density, properties of white noise, filtering of random signals through LTI systems.

Analog communications: amplitude modulation and demodulation, angle modulation and demodulation, spectra of AM and FM, superheterodyne receivers.

Information theory: entropy, mutual information and channel capacity theorem.

Digital communications: PCM, DPCM, digital modulation schemes (ASK, PSK, FSK, QAM), bandwidth, inter-symbol interference, MAP, ML detection, matched filter receiver, SNR and BER.

Fundamentals of error correction, Hamming codes, CRC.

Section 8: Electromagnetics


Maxwell's equations: differential and integral forms and their interpretation, boundary conditions, wave equation, Poynting vector.


Plane waves and properties: reflection and refraction, polarization, phase and group velocity, propagation through various media, skin depth.

Transmission lines: equations, characteristic impedance, impedance matching, impedance transformation, S- parameters, Smith chart.

Rectangular and circular waveguides, light propagation in optical fibers, dipole and monopole antennas, linear antenna arrays.


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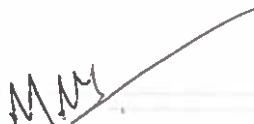
DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	ENGINEERING MATHEMATICS
DAY 2	ENGINEERING MATHEMATICS
DAY 3	CONTROL SYSTEMS
DAY 4	CONTROL SYSTEMS
DAY 5	NETWORKS
DAY 6	NETWORKS
DAY 7	SIGNALS AND SYSTEMS
DAY 8	SIGNALS AND SYSTEMS
DAY 9	ELECTRONIC DEVICES
DAY 10	ELECTRONIC DEVICES
DAY 11	ANALOG CIRCUITS


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DAY 12	ANALOG CIRCUITS
DAY 13	COMMUNICATIONS
DAY 14	COMMUNICATIONS
DAY 15	ELECTROMANGNETICS
DAY 16	ELECTROMANGNETICS
DAY 17	DIGITAL CIRCUITS
DAY 18	DIGITAL CIRCUITS
DAY 19	ELECTRONIC DEVICES
DAY 20	ELECTRONIC DEVICES
DAY 21	NETWORKS


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

LIST OF REGISTERED STUDENTS

	HNO	NAME OF THE STUDENT
1	17U11A0429	KOLA ARUDNDATHI
2	17U11A0469	MOHAMMAD NEHAL
3	18U11A0451	DOMAKONDA SANDHYA
4	19U11A0401	ADEPU SARIKA
5	19U11A0402	AKULA SAI NIKHIL
6	19U11A0403	ALETI VINAY REDDY
7	19U11A0404	ALLAKURTHI MANJUNATH
8	19U11A0405	ANNEM PAVAN KUMAR REDDY
9	19U11A0406	ANNOJI INDU
10	19U11A0407	AYYAGARI JASHWANTH
11	19U11A0408	BAGILI NITHIN KUMAR
12	19U11A0409	BANDARI YASHWANTH
13	19U11A0410	BATTULA RAMA CHANDRA REDDY
14	19U11A0411	BHUKYA PRAVEEN
15	19U11A0412	BONGURALA ARAVIND CHARY
16	19U11A0413	BOUCH SAI KRISHNA REDDY
17	19U11A0414	BOYA SRIKAR
18	19U11A0415	CHENNA SRINIVAS
19	19U11A0416	DESHGANI HARIVARDHAN
20	19U11A0417	DESHINI SRUJANA
21	19U11A0418	DEVARAMPALLY RITHYA
22	19U11A0419	DHARAM JOSHNA
23	19U11A0420	DODLA HIMA BINDU
24	19U11A0422	E MAMATHA
25	19U11A0423	GANGARAJU SATYA SAI
26	19U11A0424	GUNDEPUDI SAI SHANMUKHAPRIYA
27	19U11A0425	GUVVIGUNTA NANDINI
28	19U11A0427	K RAJGOPAL
29	19U11A0428	KALLEM KAVYA
30	19U11A0429	KANDUKURI ASHRITHA
31	19U11A0430	KANNE SHIVA KUMAR
32	19U11A0431	KATKAM SAMPATH KUMAR


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33	19U11A0432	KAYALA NANDUVARDHAN
34	19U11A0433	KONDA HEMANTH KUMAR
35	19U11A0434	KUCHIBHOTLA ADITYA VENKATA SAI PHANEEDRA
36	19U11A0435	KUMMARIKUNTA RITHISH KUMAR
37	19U11A0436	LIKKY SRI CHAKRA REDDY
38	19U11A0438	MALLADI PRAVEEN
39	19U11A0439	MANDHA NAVEEN REDDY
40	19U11A0441	MEKALA SAI KUMAR
41	19U11A0443	MOHAMMAD ABDUL MAJEED
42	19U11A0444	MUSUKULA SAICHARAN REDDY
43	19U11A0445	N VAMSHI
44	19U11A0446	NANDHYALA SHIVASHANKAR REDDY
45	19U11A0447	NANDYALA JAMEMA SARIEN
46	19U11A0448	NAWAB SIRAJUDDOULLAH
47	19U11A0449	NEELAM PRAVEEN
48	19U11A0450	NUNELU RAJASREE
49	19U11A0451	PAILLA SAI KIRAN REDDY
50	19U11A0452	PALA KIRANKUMAR
51	19U11A0453	PANJALA PRAVALLIKA
52	19U11A0454	PARIPELLY ROHITH REDDY
53	19U11A0455	PASHUMEKALA RAMYA
54	19U11A0456	PEDDGOUNI ADARSH
55	19U11A0457	PERNI LALITH PHANI KUMAR
56	19U11A0458	PINNOJI RAMYA
57	19U11A0459	POLABOINA BHARGAVI
58	19U11A0460	PONNALA SANDEEP
59	19U11A0461	RACHAKONDA RAMYA
60	19U11A0462	RAVULA VAMSHI KRISHNA
61	19U11A0463	RAVULA VYSHNAVI
62	19U11A0464	RITESH VISHWA KARMA
63	19U11A0465	RYAKALA HEMAVATHI
64	19U11A0466	SABBAVARAPU BHANUSHANKAR
65	19U11A0467	SANA RAJASHEKHAR
66	19U11A0469	SUNKARI MAHESH
67	19U11A0470	SWETA SUSARLA
68	19U11A0471	TALLA KEERTHANA
69	19U11A0472	UGGI PAVAN
70	19U11A0473	VORUGANTI PRIYANKA
71	19U11A0474	YELLA UDAYKUMAR
72	19U11A0475	MOHAMMAD FAZIL
73	20U15A0401	BETHALA PRAGATHI
74	20U15A0402	BYROJU POOJA


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75	20U15A0405	JAKKU KALYAN
76	20U15A0406	KOTHA SWETHA
77	20U15A0407	MADIPADIGE SRAVANI
78	20U15A0408	SIDDULA KAVYA
79	20U15A0409	SURAPUNENI RAMYASRI
80	20U15A0410	THALLA PRANAY KUMAR
81	20U15A0411	THUMMETI KALPANA
82	20U15A0412	VADLAKONDAMA HESH
83	20U15A0413	CHEBARTHI SAI KUMAR
84	20U15A0414	GADDAM KALYANI
85	20U15A0415	JULAKANTI SARIKA
86	20U15A0416	KASTULA KAVYASRI
87	20U15A0417	KORUTOORI SANDHYA
88	20U15A0418	KOYYETI HARIKA
89	20U15A0419	MATAPATHI KAVYA
90	20U15A0420	MEDIMALA VENKATA SAI
91	20U15A0421	MOHAMMAD ABDUL BOHADDIN
92	20U15A0422	MUNIGANTI SANDEEP KUMAR
93	20U15A0423	PADAMATI SHRAVIKA
94	20U15A0424	PEDDI SHIVANI
95	20U15A0425	NUKALA RAMA KRISHNA REDDY
96	20U15A0426	RANGA SAIKIRAN
97	20U15A0427	SAIRI KRISHNA
98	20U15A0429	THALLAPELLI SWATHI


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REPORT

DATE: 09/12/2021

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 14/12/2021 to 24/01/2021


TIMINGS: 04:30PM TO 06:30PM

The management of Samskruti College of Engineering and Technology has conducted coaching classes for III year B. Tech students for GATE and other Competitive exams.

As per the direction given by the IQAC, the Department of ECE has conducted GATE COACHING CLASSES during working days from 04:30PM to 06:30PM for III B-TECH students.

The following subjects taught by the following faculty:

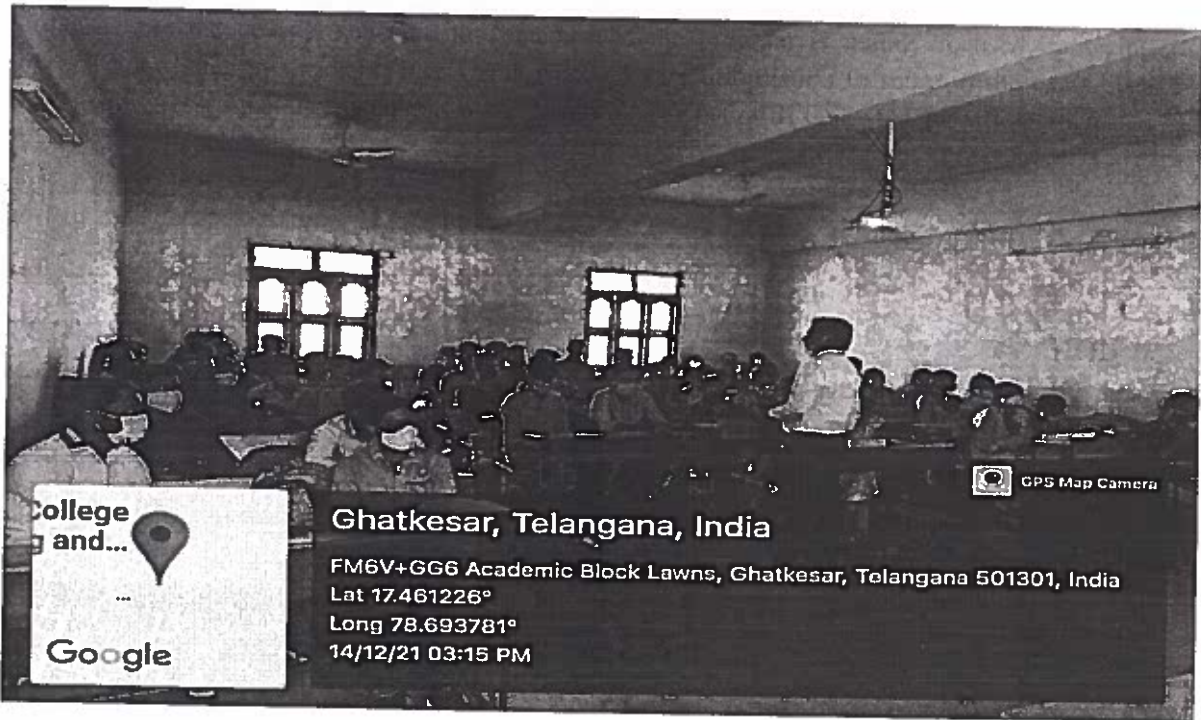
S. No	Name of the Subject	Subject Expert
1	Engineering Mathematics	SWAPNA.D
2	Networks, Signals and Systems	G.VEERAIHA
3	Electronic Devices	M.SRINIVASULU
4	Analog Circuits	VINAY KUMAR
5	Digital Circuits	D.NARESH
6	Control Systems	Dr.V.SANDEEP KUMAR
7	Communications	K.VANISREE
8	Electromagnetics	Y.JALAJAKSHI


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Every day as per the devised schedule the outcome of the program is mainly focused on giving fundamental knowledge in various subjects and gives relevant information to score in the exam. The students have expressed that the coaching was very helpful. The list of III CSE students who participated in GATE classes is enclosed.



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29	19U11A0428	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
30	19U11A0429	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	19U11A0430	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
32	19U11A0431	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	19U11A0432	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
34	19U11A0433	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P


SN	HNO	14/12	15/12	16/12	17/12	18/12	20/12	21/12	22/12	23/12	24/12	25/12	28/12	29/12	30/12	31/12	1/1	5/1	6/1	7/1	8/1	9/1	10/1	11/1	12/1	13/1	19/1
35	19U11A0434	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
36	19U11A0435	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	19U11A0436	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	19U11A0438	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
39	19U11A0439	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	19U11A0441	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
41	19U11A0443	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
42	19U11A0444	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43	19U11A0445	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
44	19U11A0446	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
45	19U11A0447	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	19U11A0448	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
47	19U11A0449	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
48	19U11A0450	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
49	19U11A0451	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50	19U11A0452	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
51	19U11A0453	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
52	19U11A0454	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
53	19U11A0455	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
54	19U11A0456	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
55	19U11A0457	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
56	19U11A0458	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57	19U11A0459	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
58	19U11A0460	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
59	19U11A0461	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
60	19U11A0462	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
61	19U11A0463	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
62	19U11A0464	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
63	19U11A0465	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
65	19U11A0466	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
66	19U11A0467	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
67	19U11A0469	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
68	19U11A0470	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
69	19U11A0471	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
70	19U11A0472	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A


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		14/12	15/12	16/12	17/12	18/12	20/12	21/12	22/12	23/12	24/12	27/12	28/12	29/12	30/12	31/12/22	4/1	5/1	6/1	8/1	9/1	10/1	11/1	12/1	13/1	14/1
71	19U11A0473	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
72	19U11A0474	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
73	19U11A0475	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
74	20U15A0401	P	A	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
75	20U15A0402	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
76	20U15A0405	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
77	20U15A0406	P	P	P	P	P	P	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
78	20U15A0407	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
79	20U15A0408	P	P	A	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
80	20U15A0409	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
81	20U15A0410	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
82	20U15A0411	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
83	20U15A0412	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
84	20U15A0413	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
85	20U15A0414	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
86	20U15A0415	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
87	20U15A0416	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
88	20U15A0417	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
89	20U15A0418	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
90	20U15A0419	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
91	20U15A0420	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
92	20U15A0421	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
93	20U15A0422	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
94	20U15A0423	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
95	20U15A0424	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
96	20U15A0425	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
97	20U15A0426	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
98	20U15A0427	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
99	20U15A0429	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A


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DEPARTMENT OF ELECTRICAL ELECTRONICS & ENGINEERING

CIRCULAR

Date: 09/12/2021

All the students of B. Tech III year are informed that the Department of Electrical and Electronics & Engineering is conducting "COMPETITIVE EXAMINATIONS: GATE COACHING CLASSES" scheduled from 14/12/2021 to 24/01/2022 (04:30PM to 06:30PM). All the students are requested to utilize the opportunity to crack the GATE examination. Enroll your names at office of HOD-EEE on or before 13/12/2021. Schedule for GATE coaching classes will be issued soon.







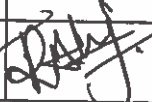
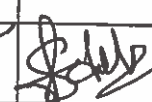
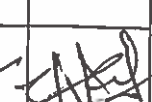
Note:- Bus Facility will be provided from our college premises to Uppal X Road at 06:30 PM.


HOD-EEE


PRINCIPAL

CC to

1. Hon'ble Chairman /Secretary-For information
2. Principal Office
3. All HODs
4. Notice Board

IQAC	CE	EEE	ME	ECE	CSE	MBA	H&S	AO
								



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING SYLLABUS FOR GATE EXAM

Section 1: Engineering Mathematics:

Linear Algebra: Vector space, basis, linear dependence and independence, matrix algebra, eigenvalues and eigenvectors, rank, solution of linear equations- existence and uniqueness.

Calculus: Mean value theorems, theorems of integral calculus, evaluation of definite and improper integrals, partial derivatives, maxima and minima, multiple integrals, line, surface and volume integrals, Taylor series.

Differential Equations: First order equations (linear and nonlinear), higher order linear differential equations, Cauchy's and Euler's equations, methods of solution using variation of parameters, complementary function and particular integral, partial differential equations, variable separable method, initial and boundary value problems.

Vector Analysis: Vectors in plane and space, vector operations, gradient, divergence and curl, Gauss's, Green's and Stokes' theorems. **Complex Analysis:** Analytic functions, Cauchy's integral theorem, Cauchy's integral formula, sequences, series, convergence tests, Taylor and Laurent series, residue theorem.

Probability and Statistics: Mean, median, mode, standard deviation, combinatorial probability, probability distributions, binomial distribution, Poisson distribution, exponential distribution, normal distribution, joint and conditional probability

Section 2: Electric circuits

Network elements: ideal voltage and current sources, dependent sources, R, L, C, M elements;
Network solution methods: KCL, KVL, Node and Mesh analysis; **Network Theorems:** Thevenin's, Norton's, Superposition and Maximum Power Transfer theorem; **Transient response** of dc and ac networks, sinusoidal steady-state analysis, resonance, two port networks, balanced three phase circuits, star-delta transformation, complex power and power factor in ac circuits.

Section 3: Electromagnetic Fields

Coulomb's Law, Electric Field Intensity, Electric Flux Density, Gauss's Law, Divergence, Electric field and potential due to point, line, plane and spherical charge distributions, Effect of dielectric medium, Capacitance of simple configurations, Biot-Savart's law, Ampere's law, Curl, Faraday's law, Lorentz force, Inductance, Magnetomotive force, Reluctance, Magnetic circuits, Self and Mutual inductance of simple configurations.

Section 4: Signals and Systems

Representation of continuous and discrete time signals, shifting and scaling properties, linear time invariant and causal systems, Fourier series representation of continuous and discrete time periodic signals, sampling theorem, Applications of Fourier Transform for continuous and discrete time signals, Laplace Transform and Z transform. R.M.S. value, average value calculation for any general periodic waveform

Section 5: Electrical Machines

Single phase transformer: equivalent circuit, phasor diagram, open circuit and short circuit tests, regulation and efficiency; **Three-phase transformers:** connections, vector groups, parallel

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operation; Auto-transformer, Electromechanical energy conversion principles; DC machines: separately excited, series and shunt, motoring and generating mode of operation and their characteristics, speed control of dc motors; Three-phase induction machines: principle of operation, types, performance, torque-speed characteristics, no-load and blocked-rotor tests, equivalent circuit, starting and speed control; Operating principle of single-phase induction motors; Synchronous machines: cylindrical and salient pole machines, performance and characteristics, regulation and parallel operation of generators, starting of synchronous motors; Types of losses and efficiency calculations of electric machines

Section 6: Power Systems

Basic concepts of electrical power generation, ac and dc transmission concepts, Models and performance of transmission lines and cables, Economic Load Dispatch (with and without considering transmission losses), Series and shunt compensation, Electric field distribution and insulators, Distribution systems, Per-unit quantities, Bus admittance matrix, Gauss-Seidel and Newton-Raphson load flow methods, Voltage and Frequency control, Power factor correction, Symmetrical components, Symmetrical and unsymmetrical fault analysis, Principles of over-current, differential, directional and distance protection; Circuit breakers, System stability concepts, Equal area criterion.

Section 7: Control Systems

Mathematical modeling and representation of systems, Feedback principle, transfer function, Block diagrams and Signal flow graphs, Transient and Steady-state analysis of linear time invariant systems, Stability analysis using Routh-Hurwitz and Nyquist criteria, Bode plots, Root loci, Lag, Lead and Lead-Lag compensators; P, PI and PID controllers; State space model, Solution of state equations of LTI systems

Section 8: Electrical and Electronic Measurements

Bridges and Potentiometers, Measurement of voltage, current, power, energy and power factor; Instrument transformers, Digital voltmeters and multimeters, Phase, Time and Frequency measurement; Oscilloscopes, Error analysis.

Section 9: Analog and Digital Electronics


Simple diode circuits: clipping, clamping, rectifiers; Amplifiers: biasing, equivalent circuit and frequency response; oscillators and feedback amplifiers; operational amplifiers: characteristics and applications; single stage active filters, Active Filters: Sallen Key, Butterworth, VCOs and timers, combinatorial and sequential logic circuits, multiplexers, demultiplexers, Schmitt triggers, sample and hold circuits, A/D and D/A converters.

Section 10: Power Electronics

Static V-I characteristics and firing/gating circuits for Thyristor, MOSFET, IGBT; DC to DC conversion: Buck, Boost and Buck-Boost Converters; Single and three-phase configuration of uncontrolled rectifiers; Voltage and Current commutated Thyristor based converters; Bidirectional ac to dc voltage source converters; Magnitude and Phase of line current harmonics for uncontrolled and thyristor based converters; Power factor and Distortion Factor of ac to dc converters; Single phase and three-phase voltage and current source inverters, sinusoidal pulse width modulation.


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DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY1	Introduction to Gate syllabus
DAY2	Lineaq Algebra
DAY 3	calculus
DAY 4	Differential equations
DAY 5	Vectorq Analysis
DAY 6	Electrical circuits
DAY 7	R, L, c parameters
DAY 8	Network theorems
DAY 9	Transient Response
DAY 10	Electromagnetic fields
DAY 11	Signals & systems
DAY 12	electrical Machines


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DAY 13	Transformers, DC Machines
DAY 14	AC Machines
DAY 15	Power Systems
DAY 16	Transmission & Distribution
DAY 17	Control Systems & Power Electronics
DAY 18	Lag, Lead & Lead-lag compensators
DAY 19	Electrical Measurements
DAY 20	Analog & digital electronics
DAY 21	Electronic Measurements Conclusion of gate exam


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DEPARTMENT OF ELECTRICAL ELECTRONIC & ENGINEERING

LIST OF REGISTERED STUDENTS

S.NO	ROLL NO	STUDENT NAME
1	20U11A0201	ADLA MANOJ
2	20U11A0202	PURI SHASHANK
3	20U11A0203	THANDRA PRADEEP
4	20U11A0204	BANOTH AJAY KUMAR
5	20U11A0206	ADOTHU RAVINDAR
6	20U11A0207	NARY NAGA SAI CHAITANYA
7	20U11A0208	ABHISHEK KUMAR JHA
8	20U11A0209	GOLLA VENKATESWARLU
9	20U11A0210	MORE RANJITH
10	20U11A0211	THOTAKURA ANUSHA
11	20U11A0212	THOTAPALLY VARSHINI
12	20U11A0215	CHETKAR NITHISHKUMAR
13	20U11A0216	GULAIGARU SWATHI
14	20U11A0217	JEEDULA MANI SAI
15	20U11A0218	SAJJANAM PRAVEEN KUMAR
16	20U11A0221	SHAIK SAMEER
17	20U11A0223	BIKASH SEN
18	21U15A0201	GOLI CHANDRA SHEKAR GUPTA
19	21U15A0202	MACHA MAHESH KUMAR


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20	19U15A0201	BOKKI MANOHAR
21	19U15A0202	GARIDEPALLI SATEESH
22	19U15A0203	MANCHA SUSMITHA
23	19U15A0204	MOHAMMED FAIZAN
24	19U15A0205	NADDUNURI USHA SRI
25	19U15A0206	P RAMESH
26	19U15A0207	AGGI NIKHILESH
27	19U15A0208	BACHU SAI SUDHEER
28	19U15A0209	BANOTH PRAVEEN
29	19U15A0210	BIRUKURI BALAKRISHNA
30	19U15A0211	CHAINABOINA SHRAVAN KUMAR
31	19U15A0212	CHIKKA AKHIL
32	19U15A0213	CHINNAGADDAM VIJAY REDDY
33	19U15A0214	CHINTHAKAYALA GANESH
34	19U15A0215	GARSHAKOTA ANJITH KUMAR
35	19U15A0216	GOUDA NAVEEN KUMAR
36	19U15A0217	GUNDU RAHUL
37	19U15A0218	K JAYA SAI ROHITA
38	19U15A0219	KARINGULA BALRAJ
39	19U15A0220	KONTHAM NAVEEN KUMAR
40	19U15A0221	KOTHI PRADEEP
41	19U15A0222	MANCHINILLA PRASHANTH
42	19U15A0223	METHUKU ARAVIND
43	19U15A0224	MUDA KISHORE



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44	19U15A0225	MUDE LAKSHMA VISHNU NAICK
45	19U15A0226	NEKNATH RAHUL GHAN SHYAM
46	19U15A0227	PAGADALA PRANITHA
47	19U15A0228	PENTABOINA GIRI
48	19U15A0229	PITTALA SURAJ KUMAR
49	19U15A0230	POTHARAJU RAKESH
50	19U15A0231	PULIGILLA SAI KUMAR
51	19U15A0232	PUTTA NAVEENA
52	19U15A0233	RAJAMANDRI KARTHIK
53	19U15A0234	RATNAPURAM DILIP KUMAR
54	19U15A0235	RIKKULA SATYANARAYANA
55	19U15A0236	SOMA AJAY KUMAR


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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

REPORT

DATE: 09/ 12//2021

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 14/12/2021 to 24/01/2022

TIMINGS: 04:30PM TO 06:30PM

The management of Samskruti College of Electrical and Electronic Engineering and Technology has conducted coaching classes for III year B.Tech students for GATE and other Competitive exams.

As per the direction given by the IQAC, the Department of & Engineering has conducted GATE COACHING CLASSES during working days from 04:30PM to 06:30PM for III B-TECH students.

The following subjects taught by the following faculty:

S.No	Name of the Subject	Subject Expert
1	Engineering Mathematics	Mrs. D. Rupa Lakshmi
2	Electrical Circuits	Mrs. V. Kalyani
3	Electrical Machines	Mr. L. Bichu Nair
4	Electrical Power Systems	Mr. P. Mallesham
5	Power Electronics	Mrs. G. Jyothi
6	Measurements and Instrumentation	Mr. K. Prasad
7	Control Systems	Mr. N. Sandeep Kumar
8	Network Analysis	Mr. P. Vijay Paul
9	Signals and Systems	Mrs. Jalajakshi
10	Microprocessors and Microcontrollers	Mr. V. Shankar

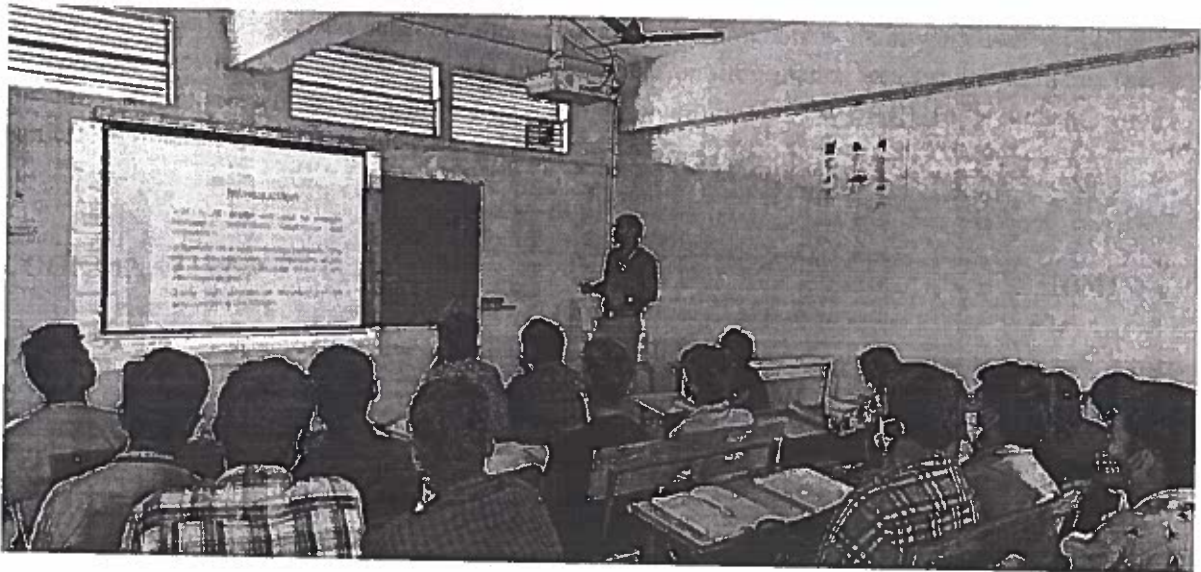

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Every day as per the devised schedule the outcome of the program is mainly focused on giving fundamental knowledge in various subjects and gives relevant information to score in the exam. The students have expressed that the coaching was very helpful. The list of III EEE students who participated in GATE classes is enclosed.


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ATTENDANCE SHEET

NAME OF THE PROGRAMME: GATE COACHING CLASSES

VENUE: ROOM NO-109 (FIRST FLOOR)

TIMINGS: 04:30PM TO 06:30PM

The list of III Year EEE students attended for the Academic Year: 2021-2022

S.N O	Hall.No	14/12	15/12	16/12	17/12	18/12	20/12	21/12	22/12	27/12	28/12	29/12	30/12	03/01	04/01	05/01	06/01	07/01	10/01	11/01	12/01	21/01	
1	16U11A0201	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2	18L75A0217	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	18L75A0221	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	18L75A0222	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	18L75A0223	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
6	18L75A0229	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
7	18U11A0201	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	18U11A0202	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	18U11A0203	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
10	18U11A0205	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
11	18U11A0206	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
12	18U11A0207	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	18U11A0208	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	18U11A0209	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	18U11A0210	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	18U11A0211	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P


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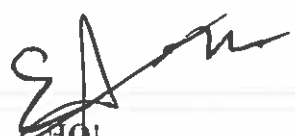
		14	15	16	17	18	20	21	22	27	28	29	30	03	04	05	06	07	10	11	12	21
		12	12	12	12	12	12	12	12	12	12	12	12	01	01	01	01	01	01	01	01	01
17	18U11A0212	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
18	18U15A0223	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
19	18U15A0231	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	19U15A0201	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	19U15A0202	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	19U15A0203	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
23	19U15A0204	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
24	19U15A0205	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	19U15A0206	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	19U15A0207	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	19U15A0208	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	19U15A0209	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
29	19U15A0210	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
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32	19U15A0213	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	19U15A0214	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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35	19U15A0216	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	19U15A0217	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
37	19U15A0218	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
38	19U15A0219	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P


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14 15 16 17 18 20 21 22 27 28 29 30 03 04 05 06 07 10 11 12 21
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47	19U15A0228	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
48	19U15A0229	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
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50	19U15A0231	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
51	19U15A0232	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
52	16U11A0201	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
53	18L75A0217	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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55	18L75A0222	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P


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(Approved by AICTE, New Delhi & Affiliated to JNTUH.)

Kondapur(V), Ghatkesar(M), Medchal(Dist)

DEPARTMENT OF CIVIL ENGINEERING

SYLLABUS FOR GATE EXAM

Section 1: Engineering Mathematics

Linear Algebra: Matrix algebra; Systems of linear equations; Eigen values and Eigen vectors.

Calculus: Functions of single variable; Limit, continuity and differentiability; Mean value theorems, local maxima and minima; Taylor series; Evaluation of definite and indefinite integrals, application of definite integral to obtain area and volume; Partial derivatives; Total derivative; Gradient, Divergence and Curl, Vector identities; Directional derivatives; Line, Surface and Volume integrals.

Ordinary Differential Equation (ODE): First order (linear and non-linear) equations; higher order linear equations with constant coefficients; Euler-Cauchy equations; initial and boundary value problems.

Partial Differential Equation (PDE): Fourier series; separation of variables; solutions of one-dimensional diffusion equation; first and second order one-dimensional wave equation and two-dimensional Laplace equation.

Probability and Statistics: Sampling theorems; Conditional probability; Descriptive statistics – Mean, median, mode and standard deviation; Random Variables – Discrete and Continuous, Poisson and Normal Distribution; Linear regression.

Section 2: Structural Engineering

Engineering Mechanics: System of forces, free-body diagrams, equilibrium equations; Internal forces in structures; Frictions and its applications; Centre of mass; Free Vibrations of undamped SDOF system.

Solid Mechanics: Bending moment and shear force in statically determinate beams; Simple stress and strain relationships; simple bending theory, flexural and shear stresses, shear centre; Uniform torsion, Transformation of stress; buckling of column, combined and direct bending stresses.


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Section 3: Geotechnical Engineering

Soil Mechanics: Three-phase system and phase relationships, index properties; Unified and Indian standard soil classification system; Permeability - one dimensional flow, Seepage through soils - two - dimensional flow, flow nets, uplift pressure, piping, capillarity, seepage force; Principle of effective stress and quicksand condition; Compaction of soils; One- dimensional consolidation, time rate of consolidation; Shear Strength, Mohr's circle, effective and total shear strength parameters, Stress-Strain characteristics of clays and sand; Stress paths.

Foundation Engineering: Sub-surface investigations - Drilling bore holes, sampling, plate load test, standard penetration and cone penetration tests; Earth pressure theories - Rankine and Coulomb; Stability of slopes - Finite and infinite slopes, Bishop's method; Stress distribution in soils - Boussinesq's theory; Pressure bulbs, Shallow foundations - Terzaghi's and Meyerhoff's bearing capacity theories, effect of water table; Combined footing and raft foundation; Contact pressure; Settlement analysis in sands and clays; Deep foundations - dynamic and static formulae, Axial load capacity of piles in sands and clays, pile load test, pile under lateral loading, pile group efficiency, negative skin friction.

Section 4: Water Resources Engineering

Fluid Mechanics: Properties of fluids, fluid statics; Continuity, momentum and energy equations and their applications; Potential flow, Laminar and turbulent flow; Flow in pipes, pipe networks; Concept of boundary layer and its growth; Concept of lift and drag.

Hydraulics: Forces on immersed bodies; Flow measurement in channels and pipes; Dimensional analysis and hydraulic similitude; Channel Hydraulics - Energy-depth relationships, specific energy, critical flow, hydraulic jump, uniform flow, gradually varied flow and water surface profiles.

Hydrology: Hydrologic cycle, precipitation, evaporation, evapo-transpiration, watershed, infiltration, unit hydrographs, hydrograph analysis, reservoir capacity, flood estimation and routing, surface run-off models, ground water hydrology - steady state well hydraulics and aquifers; Application of Darcy's Law.

Irrigation: Types of irrigation systems and methods; Crop water requirements - Duty, delta, evapo-transpiration; Gravity Dams and Spillways; Lined and unlined canals, Design of weirs on permeable foundation; cross drainage structures.

Section 5: Transportation Engineering

Transportation Infrastructure: Geometric design of highways - cross-sectional elements, sight distances, horizontal and vertical alignments.

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Geometric design of railway Track – Speed and Cant.

Concept of airport runway length, calculations and corrections; taxiway and exit taxiway design.

Highway Pavements: Highway materials - desirable properties and tests; Desirable properties of bituminous paving mixes; Design factors for flexible and rigid pavements; Design of flexible and rigid pavement using IRC codes

Traffic Engineering: Traffic studies on flow and speed, peak hour factor, accident study, statistical analysis of traffic data; Microscopic and macroscopic parameters of traffic flow, fundamental relationships; Traffic signs; Signal design by Webster's method; Types of intersections; Highway capacity

Section 6: Environmental Engineering

Water and Waste Water Quality and Treatment: Basics of water quality standards – Physical, chemical and biological parameters; Water quality index; Unit processes and operations; Water requirement; Water distribution system; Drinking water treatment.

Sewerage system design, quantity of domestic wastewater, primary and secondary treatment. Effluent discharge standards; Sludge disposal; Reuse of treated sewage for different applications.

Air Pollution: Types of pollutants, their sources and impacts, air pollution control, air quality standards, Air quality Index and limits.

Municipal Solid Wastes: Characteristics, generation, collection and transportation of solid wastes, engineered systems for solid waste management (reuse/ recycle, energy recovery, treatment and disposal).

Section 7: Geomatics Engineering

Principles of surveying; Errors and their adjustment; Maps - scale, coordinate system; Distance and angle measurement - Levelling and trigonometric levelling; Traversing and triangulation survey; Total station; Horizontal and vertical curves.

Photogrammetry and Remote Sensing - Scale, flying height; Basics of remote sensing and GIS.


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DAY WISE SESSION PLAN

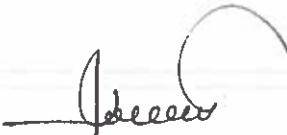
DAY	TOPIC COVERED
DAY 1	Engineering mathematics Evaluation of definite and indefinite integrals
DAY 2	vector identities Directional derivations
DAY 3	Euler - Cauchy equations 1st and order one-dimensional wave equation
DAY 4	Structural engineering Free vibrations of undamped SDOF system
DAY 5	Bending moment and shear force in statically determinate beams, simple bending theory
DAY 6	Flexural and shear stresses uniform torsion
DAY 7	Geotechnical Engineering: Soil Mechanics, Foundation eng
DAY 8	Water Resources Engineering Hydrology
DAY 9	Fluid Mechanics
DAY 10	Hydraulics
DAY 11	Irrigation

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DAY 12	transportation Infrastructure
DAY 13	traffic Engineering
DAY 14	Environmental Engineering
DAY 15	water Resource Engineering Hydrology Fluid mechanics
DAY 16	Hydraulics Irrigation
DAY 17	Structural Engineering
DAY 18	Solid Mechanics
DAY 19	Engineering Mechanics
DAY 20	Geomatics Engineering
DAY 21	vectors identities.


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Kondapur(V), Ghatkesar(M), Medchal(Dist)

DEPARTMENT OF CIVIL ENGINEERING

LIST OF REGISTERED STUDENTS

S.NO	ROLL NO	STUDENT NAME
1	16U11A0118	MOHHAMED SAJEED
2	16U11A0119	MOHD ISAAK UDDIN
3	17U11A0114	GUNDALA MANISHA REDDY
4	17U11A0124	PEBBATI BHAGATH
5	17U11A0130	VIRAT MOUNESH KUMAR
6	17U11A0133	CHINNAM RAMESH
7	17U11A0134	DOMMATI VAMSHI KRISHNA
8	17U11A0136	KOTHAKAPU PRADEEP REDDY
9	18C21A0101	BUSSA RAJENDAR
10	18C21A0114	RAJOJU VENNALA
11	18L75A0106	PURRA PURUSHOTHAM
12	18L75A0118	MOKURALA SHIVATEJAGOUD
13	18L75A0122	G RAJU
14	18L75A0125	GOLLA SHEKAR
15	18U11A0101	AAVULA DINESH REDDY
16	18U11A0102	ACHE SAI KIRAN
17	18U11A0104	ARKA MAHESH
18	18U11A0105	BANOTH NAVEEN

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19	18U11A0106	BANOTHU SANGEETHA
20	18U11A0107	BHANOTH PRAVEEN KUMAR
21	18U11A0108	BODA THARUN
22	18U11A0109	BOKKA BIXAM REDDY
23	18U11A0110	BOLISHETTY LAXMAN
24	18U11A0111	CHIGURU ANIL
25	18U11A0112	DARAVATH DIVYA
26	18U11A0113	DHARAVATH NAVEEN
27	18U11A0114	DHARAVATH PAVAN
28	18U11A0116	GUGLOTH SURENDAR
29	18U11A0117	GUGULOTH RAVI KUMAR
30	18U11A0119	JADHAV ARJUN
31	18U11A0120	JUKANTI SRINIDHI
32	18U11A0121	KOTLA RAGHAVENDRA SAGAR
33	18U11A0122	LAVANGU SAI SUMANTH
34	18U11A0123	MADE KAMALAKAR
35	18U11A0124	MADHUR VIVEK REDDY
36	18U11A0125	NUNAVATH NARENDAR
37	18U11A0126	PASULETEI GOPIKRISHNA
38	18U11A0127	RAGAMSHETTI NARESH
39	18U11A0128	SAPAVAT KONDAIAH
40	18U11A0129	SYED AZHAR HUSSAIN
41	18U11A0130	TATLA PAVAN KALYAN
42	18U11A0131	UIKA NAMDEV


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43	18U11A0134	GUDARI CHANDRASHEKAR YADAV
44	18U11A0136	KAITHOJU SAGAR
45	18U11A0137	KOLANU NIKHIL
46	18U11A0139	MOTURI VINOD KUMAR
47	18U11A0141	POLOJU SAI VAMSHI
48	18U11A0143	THATIKONDA SHASHIDHAR REDDY
49	18U11A0148	THUMULA PURNACHANDER
50	18U11A0151	SHEIKH ALTAF HUSSAIN
51	18U11A0152	MD ABBAS ALI SHAH
52	18U15A0106	GUGULOTH PREM KUMAR
53	18U15A0116	PALVAI SANTHOSH
54	19U15A0101	ALPOOR VASANTHI
55	19U15A0102	C SNEHA
56	19U15A0103	G DILIP KUMAR
57	19U15A0104	GULAB BABU RAJ PRATAP SINGH
58	19U15A0105	KARNE GOUTHAM
59	19U15A0106	MALATKAR VINAYAK ANAND
60	19U15A0107	MEGAVATH VISHAL RATHOD
61	19U15A0108	PAYTA SONALIKA
62	19U15A0109	POCHAM SAI KUMAR
63	19U15A0110	ADDIGA SAI ABHISHEK
64	19U15A0111	AKKALDEVI SHASHIKANTH
65	19U15A0112	ANKUVAR SHIVA KUMAR
66	19U15A0113	ARUKALA GANESH


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67	19U15A0114	ARUMULLA SHESHANK
68	19U15A0115	BANOTH SAMRAT
69	19U15A0116	BARIGALA SHIVAPRASAD
70	19U15A0117	BATHULA AJAY KUMAR GOUD
71	19U15A0118	BHUKYA VENKATESH
72	19U15A0119	BHUKYA YAKUB
73	19U15A0120	BOLLEDDU SOWJANYA
74	19U15A0121	BOMPALLY VIJAY KUMAR
75	19U15A0122	BUKYA JEEVAN
76	19U15A0123	BYRI SAI DEEPAK
77	19U15A0124	CHERUKUPALLI MANUSHA
78	19U15A0125	CHINTHAKUNTA YOSHITHA
79	19U15A0126	DACHAPALLY UDAY KUMAR
80	19U15A0127	DASARI PRANIL KUMAR
81	19U15A0128	DHARAMSOTH SIDDHARTHA
82	19U15A0129	DODDA SIRISHA SHINI
83	19U15A0130	G RAJ KUMAR
84	19U15A0131	GADE NAVEEN REDDY
85	19U15A0132	GANDHARI MANOHARACHARI
86	19U15A0133	GATTU SRINIVAS
87	19U15A0134	GITTABOINA SUMANTH
88	19U15A0135	GORIKYALA VENKATA NARAYANA
89	19U15A0136	GUGULOTHU SURESH
90	19U15A0137	GULLAPALLY PRAVEEN GOUD




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91	19U15A0138	GUNDEBOINA SRINIVAS
92	19U15A0139	GUNDEPURI GANESH
93	19U15A0140	GUNDLA SIDDHARTH
94	19U15A0141	INDHURI SAI KUMAR
95	19U15A0142	JANAGAMA SRINATH


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SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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Kondapur(V), Ghatkesar(M), Medchal(Dist)

DEPARTMENT OF CIVIL ENGINEERING

REPORT

DATE:09/ 12//2021

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 14/12/2021 to 24/01/2022

TIMINGS: 04:30PM TO 06:30PM

The management of Samskruti College of Engineering and Technology has conducted coaching classes for III year B.Tech students for GATE and other Competitive exams.

As per the direction given by the IQAC, the Department of Civil Engineering has conducted GATE COACHING CLASSES during working days from 04:30PM to 06:30PM for III B-TECH students.

The following subjects taught by the following faculty:

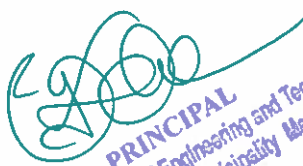
S.No	Name of the Subject	Subject Expert
1	Engineering Mathematics	Swapna Dharmavaram
2	Structural Engineering	Sandeep Kumar Vasa
3	Geotechnical Engineering	Aluguvelli Kiran Kumar Reddy
4	Water Resources Engineering	Pulime Satyanarayana
5	Transportations Engineering	V Chandrasekhar Sekhar
6	Environmental Engineering	Korivi Vamsheekrishna
7	Geometrics Engineering	Korivi Vamsheekrishna

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Every day as per the devised schedule the outcome of the program is mainly focused on giving fundamental knowledge in various subjects and gives relevant information to score in the exam. The students have expressed that the coaching was very helpful. The list of III CSE students who participated in GATE classes is enclosed.


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ATTENDANCE SHEET

NAME OF THE PROGRAMME: GATE COACHING CLASSES

VENUE: ROOM NO-109 (FIRST FLOOR)


TIMINGS: 04:30PM TO 06:30PM

The list of III Year CE students attended for the Academic Year: 2021-2022

S.NO	Hall.No	14/12	15/12	16/12	17/12	18/12	19/12	20/12	21/12	22/12	23/12	24/12	25/12	26/12	27/12	28/12	29/12	30/12	31/12	1/1	2/1	3/1	4/1	5/1	6/1	7/1	10/1	11/1	12/1	20/1	21/1
1	16U11A0118	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2	16U11A0119	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	17U11A0114	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	17U11A0124	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	17U11A0130	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	17U11A0133	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	17U11A0134	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	17U11A0136	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	18C21A0101	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
10	18C21A0114	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	18L75A0106	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	18L75A0118	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	18L75A0122	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	18L75A0125	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
15	18U11A0101	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	18U11A0102	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	18U11A0104	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	18U11A0105	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	18U11A0106	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	18U11A0107	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
21	18U11A0108	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	18U11A0109	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	18U11A0110	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	18U11A0111	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	18U11A0112	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	18U11A0113	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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27	18U11A0114	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	18U11A0116	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
29	18U11A0117	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	18U11A0119	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	18U11A0120	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
32	18U11A0121	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	18U11A0122	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	18U11A0123	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	18U11A0124	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	18U11A0125	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	18U11A0126	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	18U11A0127	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	18U11A0128	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	18U11A0129	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	18U11A0130	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	18U11A0131	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43	18U11A0134	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
44	18U11A0136	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
45	18U11A0137	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	18U11A0139	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
47	18U11A0141	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
48	18U11A0143	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
49	18U11A0148	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50	18U11A0151	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
51	18U11A0152	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
52	18U15A0106	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
53	18U15A0116	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
54	19U15A0101	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
55	19U15A0102	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
56	19U15A0103	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57	19U15A0104	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
58	19U15A0105	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
59	19U15A0106	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
60	19U15A0107	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A


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61	19U15A0108	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
62	19U15A0109	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
63	19U15A0110	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
64	19U15A0111	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
65	19U15A0112	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
66	19U15A0113	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
67	19U15A0114	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
68	19U15A0115	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
69	19U15A0116	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
70	19U15A0117	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
71	19U15A0118	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
72	19U15A0119	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
73	19U15A0120	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
74	19U15A0121	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
75	19U15A0122	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
76	19U15A0123	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
77	19U15A0124	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
78	19U15A0125	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
79	19U15A0126	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
80	19U15A0127	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
81	19U15A0128	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
82	19U15A0129	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
83	19U15A0130	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
84	19U15A0131	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
85	19U15A0132	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
86	19U15A0133	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
87	19U15A0134	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
88	19U15A0135	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
89	19U15A0136	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
90	19U15A0137	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
91	19U15A0138	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
92	19U15A0139	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P




PRINCIPAL
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93	19U15A0140	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
94	19U15A0141	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
95	19U15A0142	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P


COORDINATOR


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350	16U11A0413	BONDILI HEMANTH
351	16U11A0414	BONGURALA BANU PRASAD
352	16U11A0415	BUDDA REDDY VARSHITH
353	16U11A0416	CH SUDHEER KUMAR
354	16U11A0417	CHINDULURU GANESH
355	16U11A0418	D DIVYA
356	16U11A0419	DANDABOINA SRINIVAS
357	16U11A0420	DASARI AKSHAY KUMAR
358	16U11A0421	DILPREET KAUR CHUGH
359	16U11A0422	DIVVELA ABHINAV
360	16U11A0423	DUMPALA MANWITHA REDDY
361	16U11A0425	GADDAM NIKHILA
362	16U11A0426	GODUGU SUKANYA
363	16U11A0427	GOPITI HEMASRI
364	16U11A0428	GOPITI RAVI TEJA
365	16U11A0431	KSRIDHAR TREDDY
366	16U11A0433	KANATHALA SHARATH KUMAR
367	16U11A0434	KATKAM SARITHA
368	16U11A0435	KAVATI GANESH
369	16U11A0436	KETHAVATH DHEERAJ NAYAK
370	16U11A0437	KORENDA CHINTHARLA
371	16U11A0438	LAXMAPURAM DEEPTHIPRIYA
372	16U11A0440	MANKALA SUCHARITHA
373	16U11A0441	MOLUGURI ROHITH
374	16U11A0442	MUTTINENI NIKHITHA
375	16U11A0444	PARNE SHIVANI
376	16U11A0445	PASHAM MAMTHA REDDY
377	16U11A0446	PASHAM MANOJ KUMAR
378	16U11A0447	PONNAM NAVEENKUMAR
379	16U11A0448	PULGAM ARCHANA
380	16U11A0453	RAYALA DEEPIKA
381	16U11A0454	RAYALA PRAVALIKA
382	16U11A0455	REGATTE ASHWINI
383	16U11A0456	SADANANAD ROHANKUMAR
384	16U11A0457	SANDHUGARI VYSHNAVI
385	16U11A0458	SOMA SAI VIVEK
386	16U11A0459	SOUMYA SRI NADIPELA
387	16U11A0460	SURA AISHWARYA
388	16U11A0461	TUDI SRILATHA
389	16U11A0462	V SOWMYA
390	16U11A0463	VANAPAMULA NEELIMA
391	16U11A0464	VANGAPALLI SHIRISHA


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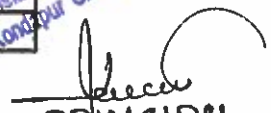
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392	16U11A0465	VARDAMANUKOTA
393	16U11A0466	VINJAM NAGA LAKSHMI
394	16U11A0467	Y BHARGAVI
395	16U11A0468	Y VIJAYA SHANMUKH
396	16U11A0469	YARLAGADDA SRAVAN
397	16U11A0470	YENNI ANUSHA
398	16U11A0471	YENUGANDULA PAVAN
399	16L75A0407	B.RAKESH
400	17U15A0403	GIDUTHURI DIVYA
401	17U15A0404	GOTTAMUKKULA PRASANNA
402	17U15A0405	KAMSANI SWETHA
403	17U15A0406	MADIPADIGE ARUN
404	17U15A0407	NEEREDI KAVITHA
405	17U15A0409	SANA BEGUM
406	17U15A0411	THABASUM
407	17U15A0412	ADUGANI CHANDANA
408	17U15A0414	K SADGUNA
409	17U15A0415	NARALA MOUNIKA
410	15U11A0548	VADLA SUJITH
411	166Z1A0502	ALLADI SAI MANOJ
412	166Z1A0504	BAKKASHETTI AKSHITHASAI
413	166Z1A0509	CHELLIMELA SAI GANESH
414	166Z1A0512	MADASU ROHITHA
415	166Z1A0513	MANCHIKANTI SANDEEP
416	166Z1A0515	NALATI RAVALI
417	166Z1A0516	NAMBURI VENKATA NAVEEN
418	166Z1A0518	PULIGINDLA SAI
419	166Z1A0519	RANGA SRAVANI
420	166Z1A0521	S VIVEK REDDY
421	166Z1A0522	VANARASHI RAMYA
422	166Z1A0524	YASH BANG
423	16U11A0501	ALLENI AKHIL
424	16U11A0502	ANDRAPU NIKHITHA
425	16U11A0503	BURRA PADMINI
426	16U11A0504	CHALLA NIKHILA SRAVANI
427	16U11A0506	CHEENAPALLI RACHANA
428	16U11A0507	CHITHARLA SHIVA
429	16U11A0510	DAGGULA INDRASENA REDDY
430	16U11A0512	DONGISHARAPU BHAVYA
431	16U11A0513	E PRANAV VARMA
432	16U11A0517	GONAPA AVINASH


TPO


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Kondapur(V), Ghatkesar(M), Medchal(Dist)



REPORT

NAME OF THE PROGRAM : "Career Aspects in Overseas Education"

DATE : 30/1/2021

RESOURCES PERSON DETAILS : Mr.Kamal Kant

Vice president Overseas Education

Email id:Kamal.kant@azent.com

Contact number: 9818109393

Objective: To provide an orientation on overseas education for B.Tech IV year students.


Process: Training & Placement department of SCET has conducted counseling program on "Career Aspects in Overseas Education" ON 30/11/2021. The session highlighted on various required skills that are needed for qualifying IELTS and GRE examination.

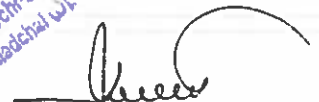
The resources person also focused on how to list out universities, types of scholarships that are available for the students opting for higher education and also gave a detailed explanation on getting admission in courses related to engineering sector.

This training mainly focused on B.Tech career opportunities abroad. Total 503 students from III, IV Year have participated in this informative program.

Outcome: An open feedback system was recorded from the participants and overall outcomes were excellent.


TPO


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