



SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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

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

DEPARTMENT OF CIVIL ENGINEERING

CIRCULAR

Date: 05/12/2016

All the students of B.Tech III year are informed that the Department of Civil Engineering is conducting "GATE COACHING CLASSES" scheduled from 12/12/2016 to 07/01/2017 (04:30PM to 06:30PM). All the students are request to utilize this wonderful opportunity to crack the competitive exam like GATE .Enroll your names at office of HOD-CE on or before 09/12/2016.Schedule for GATE coaching classes will be issued soon.

Note:- Bus route no 02 will ply at 06:30PM from our college premises up to uppall X Road.

Reddy
HOD-CE

Copy to:

1. Hon'ble-Chairman/Secretary - For information
2. Principal's Office

IQAC	CE	EEE	ME	ECE	CSE	H & S	MBA	AO
<i>[Signature]</i>	<i>Reddy</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>Venkat</i>	<i>[Signature]</i>	<i>[Signature]</i>

[Signature]
Principal
Samskruti College of Engg. & Technology
Kondapur (V), Ghatkesar (M), Medchal Dist.



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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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DEPARTMENT OF CIVIL ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Linear Algebra, Mean value Theorem.
DAY 2	Ordinary Differential Equation (ODE) partial Differential Equation (PDE)
DAY 3	Sampling theorem, Random variable, Linear regression.
DAY 4	System of forces, free-body Diagrams Equilibrium equation.
DAY 5	Simple stressed strain relationship Buckling of column.
DAY 6	Water Resources Engineering. Fluid mechanics
DAY 7	Hydraulics
DAY 8	Hydrology
DAY 9	Irrigation.
DAY 10	Structural Engineering - Engineering mechanics.
DAY 11	Solid Mechanics
DAY 12	Geotechnical Engineering - soil Mechanics.

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DAY 13	foundation Engineering
DAY 14	Water Resource Engineering - fluid mechanics, hydraulics
DAY 15	Hydrology, Irrigation.
DAY 16	Transportation Engineering - Transportation Infrastructure, Geometric design of railway
DAY 17	highway pavement/Traffic Engineering.
DAY 18	Environmental Engineering - Water and Wastewater quality & Treatment.
DAY 19	Air pollution, municipal solid waste.
DAY 20	Geomatics Engineering: - Distance and angle measurements.
DAY 21	photogrammetry and Remote Sensing.

P. Shiva Kumar Reddy
TRAINING COORDINATOR

Reddy,
HOD

P. Srinivas Reddy
PRINCIPAL
Samskruti College of Engg. & Techno
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DEPARTMENT OF CIVIL ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	14U11A0102	ANANTHULA SHIRISHA
2	14U11A0106	BANOTH LENINKUMAR
3	14U11A0107	BANOTHU MAHENDAR
4	14U11A0110	DANAVATH RAHUL
5	14U11A0111	DANDIGA SIVA KUMAR
6	14U11A0112	DAPPULA SAGAR
7	14U11A0113	DHARAVATH YAKANNA
8	14U11A0114	DYAGALA BIKSHAPATHI
9	14U11A0115	EERADHU RANJITH
10	14U11A0116	GANDAMALLA ASHOK
11	14U11A0118	GUDDETI VIKRAM
12	14U11A0119	GUDURI MAHENDER
13	14U11A0120	GUGULOTH SUMAN
14	14U11A0121	GUGULOTHU RAMBABU
15	14U11A0123	JADHAV BABU LAL
16	14U11A0124	JADI SANJEEV KUMAR
17	14U11A0126	JATOTH NIRMAL NAIK
18	14U11A0128	K VENKATESH
19	14U11A0129	KATLA VINAYKUMAR
20	14U11A0131	KEISHAM HENRY SINGH
21	14U11A0132	KHARIBAM SUPRINDRO METIEI
22	14U11A0133	KONTHOJAM JOHSON SINGH
23	14U11A0134	KUNSOTH SATHEESH
24	14U11A0102	ANANTHULA SHIRISHA
25	14U11A0106	BANOTH LENINKUMAR
26	14U11A0107	BANOTHU MAHENDAR
27	14U11A0110	DANAVATH RAHUL
28	14U11A0111	DANDIGA SIVA KUMAR
29	14U11A0112	DAPPULA SAGAR
30	14U11A0113	DHARAVATH YAKANNA
31	14U11A0114	DYAGALA BIKSHAPATHI
32	14U11A0115	EERADHU RANJITH
33	14U11A0116	GANDAMALLA ASHOK
34	14U11A0118	GUDDETI VIKRAM

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SNO	HNO	NAME OF THE STUDENT
35	14U11A0139	MD FARHAN
36	14U11A0140	MD RIZWAN
37	14U11A0142	MOHAMMAD NADEEM ARAFATH
38	14U11A0143	MOIRANGTHEM SANTOSH SINGH
39	14U11A0144	MOODA MEGHYA
40	14U11A0145	MUDA RAJESH NAIK
41	14U11A0146	MYLARAM MANIVARDHAN
42	14U11A0148	PILLITLA SAGAR
43	14U11A0149	PUKHRAMBAM SANTOSH SINGH
44	14U11A0150	R VENKAIAH
45	14U11A0151	RAMAVATH ANILKUMAR
46	14U11A0152	RAMAVATH HARIKRISHNA NAIK
47	14U11A0153	RATHNA SURYA TEJA
48	14U11A0155	SAPAM NIBASH SINGH
49	14U11A0157	SHAGOLSEM JIT SINGH
50	14U11A0158	SHIVARATHRI SRIKANTH
51	14U11A0160	SUKHAJIT KHAIDEM
52	14U11A0161	SURAGOUNI ABHILASH GOUD
53	14U11A0165	THOUNAOJAM RANJAN SINGH
54	14U11A0168	VEMULA ANIL
55	14U11A0170	YATA RAMYA
56	14U11A0171	DASARAPU RAJESH
57	14U11A0172	GUGULOTH SUMAN
58	14U11A0173	SANASAM MANICHANDRA SINGH
59	15U15A0101	ANTHERUPULA RADHAKRISHNA
60	15U15A0102	AJMIRA KRISHNA VENI
61	15U15A0103	ANDOOJU PRITHVI CHARY
62	15U15A0104	CHILUKURI BADRISRINATH
63	15U15A0105	DHARMSOTH SURESH
64	15U15A0106	DHARAVATH ANITHA
65	15U15A0107	DODDI SRINATH
66	15U15A0108	D GANGA
67	15U15A0109	GUDURU VENU
68	15U15A0110	GURRALA SRIKANTH
69	15U15A0111	JANGAM VIJAY KUMAR
70	15U15A0112	KANCHAM BHANU
71	15U15A0113	KARAMPURI BHRATH
72	15U15A0114	KATA GOUNI RAKESH GOUD
73	15U15A0115	KUNDOJU SAI KRISHNA

H. Venkumadhav
TRAINING COORDINATOR

Reddy
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REPORT

DATE: 10/01/2017

NAME OF THE PROGRAMME: GATE COACHING

DATE: 12/12/2016 to 07/01/2017

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 management, the Department of Civil Engineering has planned to conduct GATE Coaching Classes during working days from 04:30PM to 06:30PM.

The following subjects taught by the following faculty:

S.No	Name of the subject	Subject expert
1	Geo Technical Engineering	Mr. Y.Shiva Kumar Reddy
2	Strength Of Materials	Ms.G.Swarna
3	Environmental Engineering	Mr.J.Mohan
4	Water Resources Engineering	Mr.J.Rana Prathap
5	FM&HM	Mr.P.Anjaih
6	Surveying	Mr.P. Avinash
7	Transportation Engineering	Mr.K.Prathap Reddy
8	Design Of RCC and Steel Structures	Mr.P.Bikku
9	Engineering Mathematics	Mr.Shashichandar Rao
10	Hydrology	Ms.K.Divya

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 by in the exam. The students have expressed that the coaching was very helpful. The list III B.Tech Civil students whose participate in GATE class is also enclosed.

Y. Shiva Kumar Reddy
CO-ORDINATOR

Reddy
HOB

[Signature]
Principal

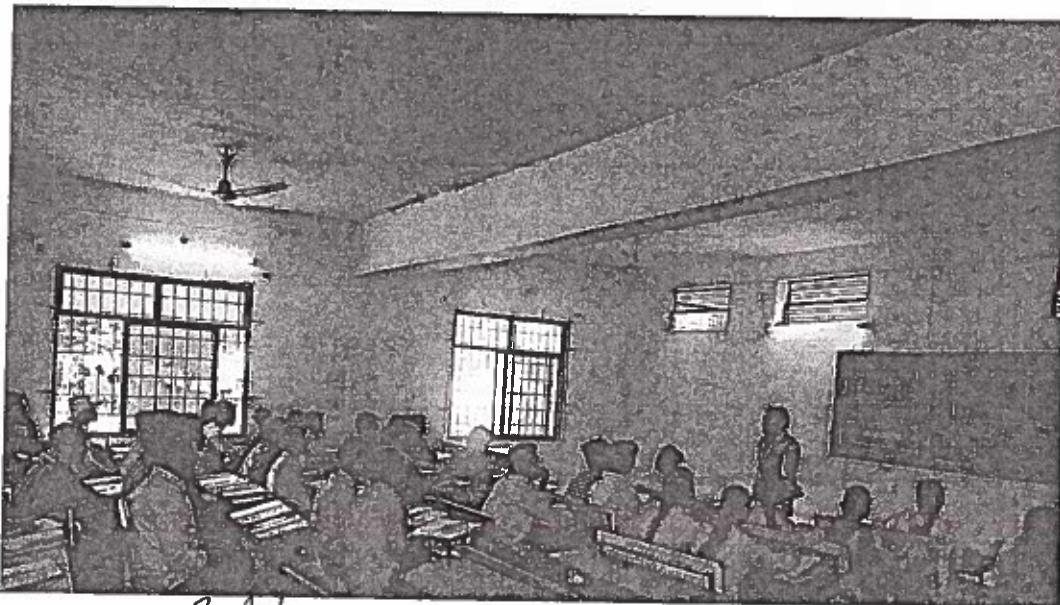
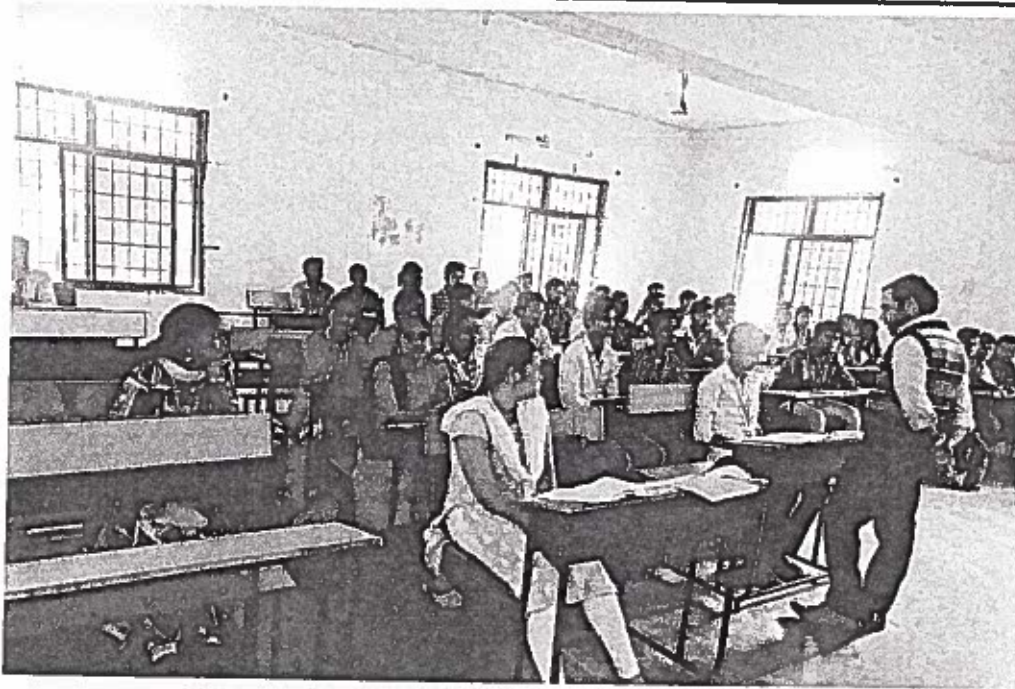
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Shirakumar Reddy
CO-ORDINATOR

Reddy
HOD

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NAME OF THE PROGRAMME: GATE COACHING

VENUE: ROOM NO-102 (FIRST FLOOR)

TIMINGS: 04:30PM TO 06:30PM

The list of III Year Civil students attended for the Academic Year: 2016-2017

SNO	HNO	12/12	13/12	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	8/1	
1	14U11A0102	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	P	P	P	
2	14U11A0106	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	14U11A0107	P	P	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	P	P
4	14U11A0110	P	P	A	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	P
5	14U11A0111	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	14U11A0112	A	P	P	P	A	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	14U11A0113	P	P	A	P	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
8	14U11A0114	P	P	P	A	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	14U11A0115	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	14U11A0116	P	P	A	A	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
11	14U11A0118	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	14U11A0119	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	14U11A0120	P	A	P	P	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
14	14U11A0121	P	A	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	P	P
15	14U11A0123	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	14U11A0124	A	P	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	P	P
17	14U11A0126	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	14U11A0128	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	14U11A0129	P	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	P	P	P
20	14U11A0131	P	P	P	P	P	P	P	P	P	A	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	14U11A0132	P	A	P	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	P
22	14U11A0133	A	A	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	P	P
23	14U11A0134	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	14U11A0102	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	14U11A0106	P	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	P	P	P
26	14U11A0107	P	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	P	P	P
27	14U11A0110	P	P	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	P	P
28	14U11A0111	P	P	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	P	P
29	14U11A0112	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	14U11A0113	P	P	A	P	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
31	14U11A0114	P	P	A	P	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
32	14U11A0115	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	14U11A0116	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	14U11A0118	P	P	A	P	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

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Date: 05/12/2016

All the students of B. Tech III year are informed that the Department of Electrical & Electronics Engineering is conducting "**COMPETITIVE EXAMINATIONS: GATE COACHING CLASSES**" scheduled from 12/12/2016 to 07/01/2017 (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 09/12/2016. 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

CC to

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


Principal

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SYLLABUS FOR GATE EXAM

EE Electrical Engineering

Section 1: Engineering Mathematics

Linear Algebra: Matrix Algebra, Systems of linear equations, Eigenvalues, Eigenvectors.

Calculus: Mean value theorems, Theorems of integral calculus, Evaluation of definite and improper integrals, Partial Derivatives, Maxima and minima, Multiple integrals, Fourier series, Vector identities, Directional derivatives, Line integral, Surface integral, Volume integral, Stokes's theorem, Gauss's theorem, Divergence theorem, Green's theorem.

Differential equations: First order equations (linear and nonlinear), Higher order linear differential equations with constant coefficients, Method of variation of parameters, Cauchy's equation, Euler's equation, Initial and boundary value problems, Partial Differential Equations, Method of separation of variables.

Complex variables: Analytic functions, Cauchy's integral theorem, Cauchy's integral formula, Taylor series, Laurent series, Residue theorem, Solution integrals.

Probability and Statistics: Sampling theorems, Conditional probability, Mean, Median, Mode, Standard Deviation, Random variables, Discrete and Continuous distributions, Poisson distribution, Normal distribution, Binomial distribution, Correlation analysis, Regression analysis.

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

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

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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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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

LIST OF REGISTERED STUDENTS

1	14U11A0201	BATHINI ANIL KUMAR
2	14U11A0202	BHUKYA SURESH
3	14U11A0203	BHUKYA VENKATESH
4	14U11A0204	ENUGU RAMESH
5	14U11A0205	ERRAGUNTA SATHISH
6	14U11A0206	KANDULA GHANAMMA
7	14U11A0207	KARANTOTHU NARENDAR
8	14U11A0208	KOLI SETTI SAIKUMAR
9	14U11A0209	L RAMESH
10	14U11A0210	NYATHANI SAIKRISHNA
11	14U11A0211	POLEPAKA SHIREESHA
12	14U11A0212	VARAKALA SATHISH
13	14U11A0213	SYED HYDER PASHA
14	14U11A0214	B S N ABHISHEK
15	15U15A0201	A PRASHANTH
16	15U15A0202	BAYYAM SANDEEP
17	15U15A0203	DARAVAT RAJU
18	15U15A0204	GANGULA SURYA NIRMITHA
19	15U15A0205	GATLA RAMA MOHAN
20	15U15A0206	GATTU MANEESHA
21	15U15A0207	GORRE AKHIL KUMAR
22	15U15A0208	INNAMERLA SAI KRISHNA
23	15U15A0209	KURMA SRICHARAN
24	15U15A0210	M ARUNA
25	15U15A0211	MD ALTHAF
26	15U15A0212	NAGAPURI SAITEJA
27	15U15A0213	NAGULAPALLI VENKATESH
28	15U15A0214	PALLAPU NARESH
29	15U15A0215	PALLY SAI RAM GOUD

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30	15U15A0216	POKULA NAVEEN KUMAR
31	15U15A0217	SUDAGANI KRISHNA MURTHY
32	15U15A0218	TADURI VIJAY KUMAR
33	15U15A0219	TARRA SRIKANTH
34	15U15A0220	THALARI VIJAYKANTH
35	15U15A0221	VALLALA SPANDANA
36	15U15A0222	VANGARI BALA KRISHNA
37	15U15A0223	VENNOLLU NIKHIL
38	15U15A0224	YARAKALA SHIVA KUMAR
39	15U15A0225	KOTWAL VINAY KUMAR
40	15U15A0226	DEGALA NAGA BABU


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Engineering mathematics.
DAY 2	Linear Algebra.
DAY 3	Calculus differential equation
DAY 4	Vector Analysis
DAY 5	Electrical circuit & Theorems
DAY 6	R, L, C Parameters
DAY 7	Transient & Steady state Response
DAY 8	Electro Magnetic fields
DAY 9	Gauss's Law, Biot-Savart's Law
DAY 10	Signals & Systems C.T & D.T Systems
DAY 11	Electrical Machines
DAY 12	Power Systems
DAY 13	Generation, Transmission & Distributions


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DAY 14	Control System's
DAY 15	RH Criteria, Nyquist Plot's
DAY 16	P, PI, PD Controller's
DAY 17	Electrical Measurements
DAY 18	Electronical Measurements
DAY 19	Analog Electronics
DAY 20	Digital Electronics
DAY 21	Boolean expressions & minimization
DAY 22	Power Electronics
DAY 23	MOSFET, IGBT DC to DC Converter's Thyristors,
DAY 24	1- ϕ , 3- ϕ , Voltage & Current source inverter's.


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NAME OF THE PROGRAMME: GATE COACHING CLASSES

VENUE: ROOM NO-321 (3rd FLOOR)

TIMINGS: 04:30PM TO 06:30PM

The list of III Year EEE students attended for the Academic Year: 2017-2018

S.NO	H.NO	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	
1	15U11A0202	P	A	P	P	P	P	P	A	P	P	P	P	A	A	P	P	P	P	A	P				
2	15U11A0203	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	15U11A0204	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	15U11A0205	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	15U11A0207	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	15U11A0208	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	15U11A0209	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	15U11A0213	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	15U11A0214	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	15U11A0215	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	15U11A0216	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	15U11A0217	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	15U11A0218	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	15U11A0219	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	15U11A0220	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	15U15A0201	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	16U15A0201	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	16U15A0202	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	16U15A0203	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	16U15A0204	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	16U15A0205	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	16U15A0206	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	16U15A0207	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	16U15A0208	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	16U15A0209	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	16U15A0210	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	16U15A0211	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	16U15A0212	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	16U15A0213	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	16U15A0214	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	16U15A0215	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	16U15A0216	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	16U15A0217	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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S.NO	H.NO	11	12	13	14	15	16	18	19	20	21	22	23	27	28	29	30	23	4	5	6								
28	15U15A0214	P	A	P	P	P	P	P	P	A	P	P	A	A	P	A	A	P	P	P									
29	15U15A0215	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P								
30	15U15A0216	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	A	P								
31	15U15A0217	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P								
32	15U15A0218	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	A	P	A								
33	15U15A0219	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	A	P									
34	15U15A0220	A	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	A	P								
35	15U15A0221	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P								
36	15U15A0222	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
37	15U15A0223	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
38	15U15A0224	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
39	15U15A0225	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
40	15U15A0226	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								

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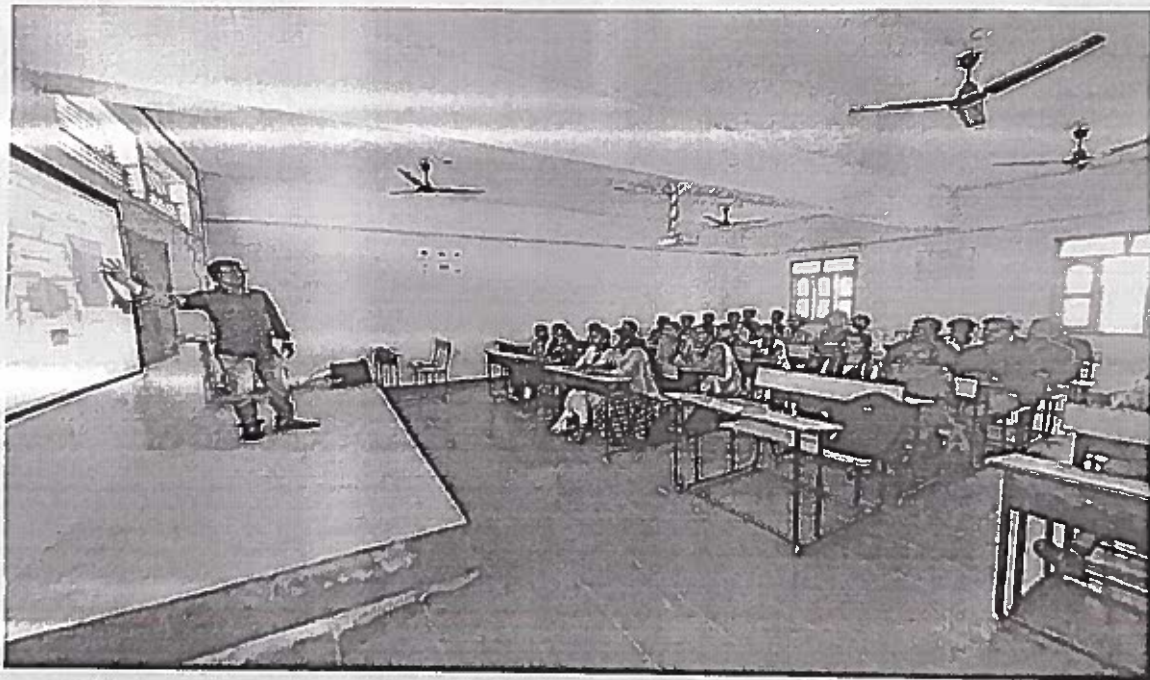
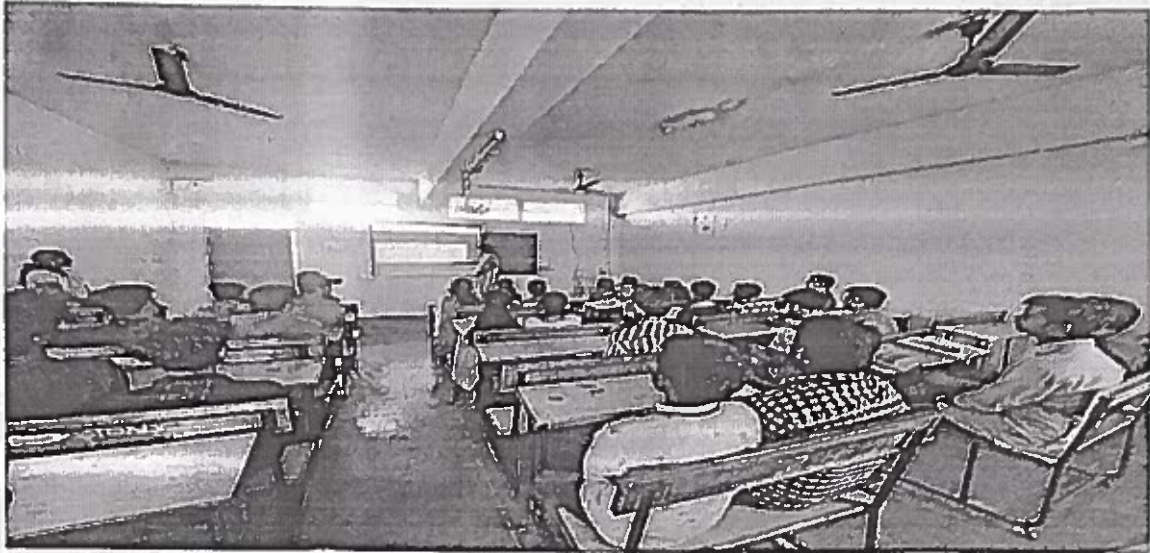
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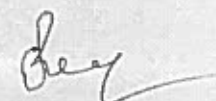
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REPORT

DATE: 10/01/2017

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 12/12/2016 to 07/01/2017

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 Electrical and Electronics Engineering has conducted **GATE COACHING CLASSES** during working days from **04:30PM to 06:30PM** for **III B-TECH** students.

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 ECE students who participated in GATE classes is enclosed.

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DEPARTMENT OF MECHANICAL ENGINEERING


CIRCULAR

Date: 05/12/2016

All the students of B. Tech III year are informed that the Department of Mechanical Engineering is conducting "COMPETITIVE EXAMINATIONS: GATE COACHING CLASSES" scheduled from 12/12/2016 to 07/01/2017 (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-ME on or before 09/12/2016. Schedule for GATE coaching classes will be issued soon.




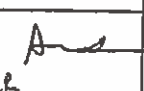

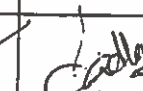

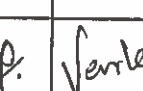

Note:- Bus Facility will be provided from our college premises to Uppal X Road at 06:30 PM.


HOD-ME


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 MECHANICAL ENGINEERING

SYLLABUS FOR GATE EXAM

Section 1: Engineering Mathematics

Linear Algebra - Linear equations, Matrix algebra, eigenvalues and eigenvectors.

Differential equations - Linear and nonlinear, Euler-Cauchy equation; higher-order linear differential equations with constant coefficients, initial and boundary value problems; solutions of heat, wave and Laplace's equations; Laplace transforms.

Calculus - Evaluation of definite and improper integrals; Functions of single variable, limit, continuity and differentiability, mean value theorem, indeterminate forms; double and triple integrals; total derivative, partial derivatives, maxima and minima, Taylor series (in one and two variables), Fourier series; divergence and curl, gradient, vector identities, line, directional derivatives, surface and volume integrals, and Green's theorems and applications of Gauss, Stoke.

Probability and Statistics - Probability, conditional probability; sampling theorems; median, mean, mode and standard deviation; binomial, random variables, normal and Poisson distributions.

Numerical Methods - Integration by trapezoidal and Simpson's rules; - Numerical solutions of linear and non-linear algebraic equations; single & multi-step for differential equations.

Complex variables - Cauchy-Riemann equations; Analytic functions, Taylor and Laurent series. Cauchy's integral theorem & integral formula

Section 2: Applied Mechanics and Design

Mechanics of Materials - Elastic constants, Stress and strain, Poisson's ratio, thin cylinders, Mohr's circle for plane stress and plane strain, shear force and bending moment diagrams, deflection of beams, bending and shear stresses, torsion of circular shafts, energy methods, Euler's theory of columns, thermal stresses, testing of materials with universal testing machine, strain gauges and rosettes, testing of hardness and impact strength.

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Engineering Mechanics - Trusses and frames; Free body diagrams and equilibrium, virtual work; impulse and momentum (linear and angular), kinematics and dynamics of particles & of rigid bodies in plane motion and energy formulations, collisions.

Theory of Machines - Displacement, velocity and acceleration analysis of plane mechanisms; dynamic analysis of linkages; cams; gears and gear trains; flywheels and governors; balancing of reciprocating and rotating masses; gyroscope.

Machine Design - Design for static and dynamic loading, Failure theories, fatigue strength and the S-N diagram, gears, shafts, rolling and sliding contact bearings, springs, brakes and clutches, principles of the design of machine elements like riveted, bolted and welded joints

Vibrations - Effect of damping, Free and forced vibration of single degree of freedom systems, resonance, vibration isolation, critical speeds of shafts.

Section 3: Fluid Mechanics and Thermal Sciences

Heat-Transfer - One-dimensional heat conduction, modes of heat transfer, heat transfer through fins, resistance concept & electrical analogy, lumped parameter system, unsteady heat conduction, Heisler's charts, dimensionless parameters in free and forced convective heat transfer, thermal boundary layer, heat transfer correlations for flow over flat plates and through pipes, heat exchanger performance, effect of turbulence, LMTD & NTU methods; Stefan-Boltzmann law, radiative heat transfer, Wien's displacement law, view factors, black and grey surfaces and radiation network analysis.

Fluid Mechanics - Fluid statics, properties, manometry, buoyancy, stability of floating bodies, forces on submerged bodies, control-volume analysis of mass, fluid acceleration, momentum and energy, differential equations of continuity and momentum, dimensional analysis, Bernoulli's equation, viscous flow of incompressible fluids, elementary turbulent flow, boundary layer, flow through pipes, bends and fittings and head losses in pipes

Applications - Power Engineering, I.C. Engines, Refrigeration and air-conditioning and Turbomachinery

Thermodynamics - Properties of pure substances, thermodynamic systems and processes, the behaviour of ideal and real gases, calculation of work and heat in various processes, zeroth and first laws of thermodynamics, the second law of thermodynamics, thermodynamic relations and thermodynamic property charts and tables, availability and irreversibility


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Section 4: Materials, Manufacturing and Industrial Engineering

Casting, Forming and Joining Processes - Design of patterns, moulds and cores, Different types of castings, solidification and cooling, riser & gating design, fundamentals of hot and cold working processes, Plastic deformation and yield criteria load estimation for bulk (drawing, rolling, forging, extrusion) and sheet (deep drawing, shearing, bending), principles of powder metallurgy, metal forming processes, brazing, Principles of welding, soldering & adhesive bonding.

Engineering Materials - Phase diagrams, structure and properties of engineering materials, heat treatment, stress-strain diagrams for engineering materials.

Machining & Machine Tool Operations -Basic machine tools, Mechanics of machining, single and multi-point cutting tools, tool life and wear, tool geometry and materials, the economics of machining, principles of work holding, principles of non-traditional machining processes, design of jigs and fixtures.

Computer Integrated Manufacturing - Concepts of CAD/CAM and their integration tools.

Metrology and Inspection - Linear and angular measurements, Limits, fits and tolerances & comparators; gauge design, interferometry, alignment and testing methods, form and finish measurement, tolerance analysis in manufacturing and assembly.

Production Planning and Control - Aggregate production planning, forecasting models, materials requirement planning and scheduling.

Operations Research - Simplex method, linear programming, transportation, network flow models, assignment, simple queuing models and PERT & CPM.

Inventory Control - Safety stock inventory control systems, Deterministic models.



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DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Linear equation, Matrix algebra, eigenvalues and eigen vectors.
DAY 2	Linear & nonlinear, Euler-Cauchy equation; higher-order linear D.Y. equations with constant, initial and boundary value prob.
DAY 3	Calculus - Evaluation of definite & improper integrals, functions of single variable
DAY 4	Probability & statistics - probability, conditional probability, sampling theorems
DAY 5	Numerical methods :- Integration by trapezoidal & Simpson's rules -
DAY 6	Complex variables :- Cauchy-Riemann equations, Analytic functions, Taylor & Laurent series, Cauchy's integral
DAY 7	Mechanics of material - Elastic constant, stress & strain, Poisson's ratio, thin cylinders, Mohr's circle for stress estimation.
DAY 8	Euler's theory of columns, thermal stresses, testing of materials with universal testing machine, strain gauge.
DAY 9	Engineering mechanics - Trusses & frames; free body diagrams
DAY 10	Kinematics & dynamics of particles & of reciprocating & rotating masses.
DAY 11	Machine Design - Design for static & dynamic loading, failure theories.
DAY 12	Vibrations :- effects of damping free & forced vibration of single degree of freedom systems.

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DAY 13	H.T. one dimensional heat conduction Modes of heat transfer, unsteady heat conduction
DAY 14	Heisler's charts, dimensionless parameters in free & forced convection heat transfer, thermal boundary layer.
DAY 15	fluid mechanics, fluid statics, properties, manometry, buoyancy, stability of floating bodies, forces.
DAY 16	Applications - Power engineering, I.C engines, R & AC and Turbomachinery.
DAY 17	Thermodynamics - properties of pure substances, thermodynamic systems & processes, 1-2 & 0 laws
DAY 18	Casting, forming & Joining process. Engineering materials
DAY 19	Machining & Machine Tool operations, computer integrated manufacturing
DAY 20	Metrology & Inspection. Production planning & control
DAY 21	Operations research. Inventory control.


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DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	14U11A0301	ADULA SAMPATH
2	14U11A0302	ARANDULA CHANDRAKANTH
3	14U11A0303	AZMEERA OMNATH
4	14U11A0304	BANCHODE PRASHANTH
5	14U11A0305	BANOTH PRASAD
6	14U11A0306	BANSODE DILIP
7	14U11A0307	BETHI UDAY
8	14U11A0308	BHUKYA KISHOR KUMAR
9	14U11A0309	BHUKYA NAGENDRA
10	14U11A0310	BODA SRINIVAS
11	14U11A0311	BONTHU VEERAVENKATA
12	14U11A0312	CHINTA RAVINDAR
13	14U11A0313	DOBBALA ARUN KUMAR
14	14U11A0314	DURGAM RAJABABU
15	14U11A0315	ESLAVATH ANJANEYULU
16	14U11A0316	ESLAVATH RAJESH
17	14U11A0317	ESLAVATH SRIDHER
18	14U11A0318	GADDAMIDI MAHESH
19	14U11A0319	GADIPA RAJU
20	14U11A0320	GHATKE SURAJ
21	14U11A0321	GODAPARTHI PAVAN KALYAN
22	14U11A0322	GOLE SHIRISHA
23	14U11A0323	GOLLAPELLI RAVI
24	14U11A0324	GURRAM ANILKUMAR
25	14U11A0325	JARUPULA VEERESH
26	14U11A0326	KANDE SRIKANTH
27	14U11A0327	KANGUJAM SHACHIKUMAR
28	14U11A0328	MOHAMMED KHASIF AMWAR
29	14U11A0329	KOKKIRI PRAVEEN KUMAR
30	14U11A0330	KOLLA SAINIKHIL
31	14U11A0331	KOPPERA SHWETHA
32	14U11A0332	KUMMARI RAJANIKANTH
33	14U11A0333	LAMABAM AMARJEET SINGH
34	14U11A0334	LINGALA KRANTHI KUMAR


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SNO	HNO	NAME OF THE STUDENT
35	14U11A0343	RACHAKONDA YELLESWAR GOUD
36	14U11A0344	SHEELAM ANIL
37	14U11A0345	SHEELAM SANDEEP
38	14U11A0346	SRIRAVULA SHIVA SURYA
39	14U11A0347	TALARI SARVIN KUMAR
40	14U11A0348	THALARI NAGA RAJU
41	14U11A0349	THURAKA SRIKANTH
42	14U11A0350	URIMELLA VENUGOPAL
43	14U11A0351	VANGURU RAVI TEJA
44	14U11A0352	VANKAYALAPATI SRINADH
45	15U15A0301	ALLADURGAM ANIL KUMAR
46	15U15A0302	BANDARI RAGHU RAM
47	15U15A0303	BHUKYA LINGANNA
48	15U15A0304	BODDU RAJASHEKAR
49	15U15A0305	CHINTHAMALA ANUSHEKAR
50	15U15A0306	GAADARI KRANTHI KUMAR
51	15U15A0307	GADDAM SHIVAJI
52	15U15A0308	GADIREDDY RAVI
53	15U15A0309	GANTA VAMSHI KRISHNA
54	15U15A0310	GOGULOTH RAMNAYAK
55	15U15A0311	HARISH KANDUKURI
56	15U15A0312	KALAVENA SAI KIRAN
57	15U15A0313	KUMMARI PREMKUMAR
58	15U15A0314	LAVANGU AKARSH
59	15U15A0315	MUDUGULA ARUN
60	15U15A0317	PADAMATI VINEETH KUMAR


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DEPARTMENT OF MECHANICAL ENGINEERING

REPORT

DATE: 10/01/2017

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 12/12/2016 to 07/01/2017

TIMINGS: 04:30PM TO 06:30PM

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

As per the direction given by the IQAC, the Department of Mechanical 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 Mechanics	Dr. T.Manvel Raj
2	Mechanics of Materials	Dr. Sudhakar Babu
3	Theory of Machines	Mr. K. Vijay Kumar
4	Machine Design	Mr. P.Keshav Rao
5	Heat-Transfer	Mr.B.Ramesh
6	Fluid Mechanics	Mrs. M.Swarna
7	Thermodynamics	Dr. K.Kantha Rao
8	Engineering Materials	Mr.M.Hari Prasad
9	Manufacturing and Industrial Engineering	Mr. Muthu Laxman
10	Computer Integrated Manufacturing	Mr. K.Shanthan Kumar
11	Production Planning and Control	Mr. A Jagdeesha
12	Operations Research	Mr.T.Lokanatham

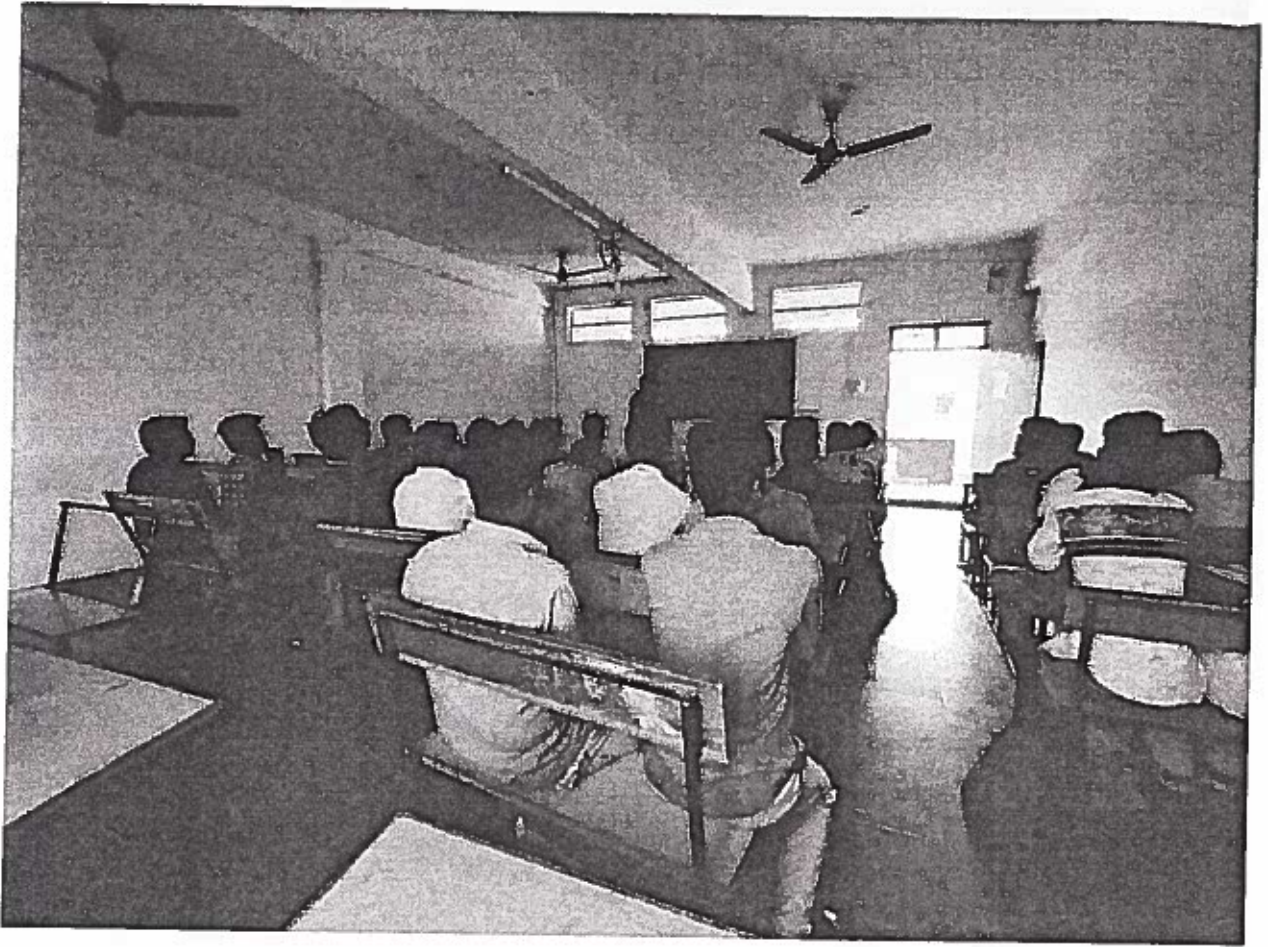
Every day as per the devised schedule the outcome of the program is mainly focused on giving fundamental knowledge in various subjects and gives relevant information to score in the exam. The students have expressed that the coaching was very helpful. The list of III ME students who participated in GATE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


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ATTENDANCE SHEET

NAME OF THE PROGRAMME: GATE COACHING CLASSES

VENUE: ROOM NO-306 (THIRD FLOOR)

TIMINGS: 04:30PM TO 06:30PM

The list of III Year ME students attended for the Academic Year: 2016-2017

SNO	HNO	12/12	13/12	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						
1	14U11A0301	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						
2	14U11A0302	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	14U11A0303	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	14U11A0304	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	14U11A0305	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	14U11A0306	P	A	P	P	P	P	P	P	A	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P						
7	14U11A0307	P	P	A	P	P	P	A	P	P	P	A	P	P	P	A	P	P	A	P	A	P	P	P	P	P	P						
8	14U11A0308	A	P	P	A	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P						
9	14U11A0309	A	P	P	P	P	A	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P						
10	14U11A0310	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	14U11A0311	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	14U11A0312	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	14U11A0313	P	A	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P						
14	14U11A0314	P	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						
15	14U11A0315	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	14U11A0316	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	14U11A0317	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	14U11A0318	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	14U11A0319	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	P						
20	14U11A0320	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						
21	14U11A0321	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	P						
22	14U11A0322	A	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	14U11A0323	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	14U11A0324	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	14U11A0325	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	14U11A0326	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P						
27	14U11A0327	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						
28	14U11A0328	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						
29	14U11A0329	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	P						
30	14U11A0330	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						
31	14U11A0331	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						
32	14U11A0332	A	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						
33	14U11A0333	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	P						
34	14U11A0334	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	P						

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SNO	HNO	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									
35	14U11A0343	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
36	14U11A0344	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
37	14U11A0345	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
38	14U11A0346	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
39	14U11A0347	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
40	14U11A0348	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P									
41	14U11A0349	P	P	P	P	A	P	P	A	P	A	P	A	P	A	P	P	A	P	A	A	P									
42	14U11A0350	P	P	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P									
43	14U11A0351	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
44	14U11A0352	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
45	15U15A0301	P	P	P	P	P	P	P	A	P	P	P	A	A	P	P	P	A	P	P	P	P									
46	15U15A0302	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P									
47	15U15A0303	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
48	15U15A0304	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P									
49	15U15A0305	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	A	P									
50	15U15A0306	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P									
51	15U15A0307	P	A	P	P	P	P	A	P	P	A	P	P	A	P	P	P	P	P	P	P	P									
52	15U15A0308	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P									
53	15U15A0309	P	P	A	A	P	P	P	A	P	P	P	A	P	A	P	P	P	P	P	P	P									
54	15U15A0310	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	A	P	P									
55	15U15A0311	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	A									
56	15U15A0312	P	P	P	P	P	A	P	P	P	A	P	P	A	A	P	A	A	P	P	P	P									
57	15U15A0313	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P									
58	15U15A0314	P	A	P	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P									
59	15U15A0315	P	P	A	P	P	P	A	P	A	P	P	P	A	P	P	P	P	P	A	A	P									
60	15U15A0317	P	P	P	A	P	P	P	P	A	P	A	P	A	A	P	A	P	P	P	P	P									

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CIRCULAR

Date: 05/12/2016


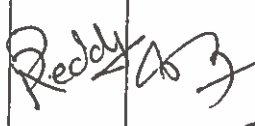
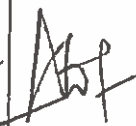




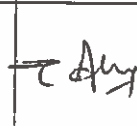
All the students of B. Tech III year are informed that the Department of Electronics & Communication Engineering is conducting "COMPETITIVE EXAMINATIONS: GATE COACHING CLASSES" scheduled from 12/12/2016 to 07/01/2017 (04:30PM to 06:30PM). All the students are requested to utilize the opportunity to crack the GATE examination. Enroll your names at office of HOD-ECE on or before 09/12/2016. 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

CC to

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

IQAC	CE	EEE	ME	ECE	CSE	H & S	MBA	AO
	Reddy							


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION 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: 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.


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Kondapur (V), Ghatkesar (M), Medchal



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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. 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.


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


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	systems of linear equations
DAY 2	Limit, continuity & differentiability
DAY 3	Surface and volume integrals.
DAY 4	Euler-cauchy equations.
DAY 5	Two dimensional Laplace equation
DAY 6	Poisson and Normal Distribution
DAY 7	Node and Mesh analysis.
DAY 8	Maximum power transfer.
DAY 9	Sampling theorem and applications.
DAY 10	group delay, phase delay.
DAY 11	equilibrium carrier concentration.
DAY 12	Schmitt triggers and oscillators.
DAY 13	Multiplexers decoders.


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DAY 14	latches and flip-flops .
DAY 15	data-path and control unit .
DAY 16	signal flow graph .
DAY 17	properties of white noise .
DAY 18	Boundary conditions .
DAY 19	phase and group velocity .
DAY 20	impedance transformation .
DAY 21	Linear antenna arrays .


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	14U11A0401	AYEKPAM SURJITKUMAR SING
2	14U11A0402	BAGGARAJU GNANAPRAKASH
3	14U11A0403	BALGURI SOUJANYA
4	14U11A0404	BANAVATH NIKITHA
5	14U11A0406	KUNDURU PRASHANTH REDDY
6	14U11A0407	CHELLA SRINIVAS REDDY
7	14U11A0408	CHINTHAKAYALA MANEESHA
8	14U11A0409	CHINTHALAPELLI KRISHNAREDDY
9	14U11A0410	DULAM AKHIL
10	14U11A0411	GOULE RAMULU
11	14U11A0412	GUGULOTHU SATHISH
12	14U11A0414	JAKKULA NARESH
13	14U11A0415	JATOTHU LAKPATHI
14	14U11A0416	KADARI RAMESH
15	14U11A0417	KETHAVATH POOJA NAIK
16	14U11A0419	LAVUDYA RAVIKUMAR
17	14U11A0420	LOUREMBAM KENEDY SINGH
18	14U11A0421	MANDALA KARTHIK
19	14U11A0422	MANTRI ARUNA
20	14U11A0423	MUTUM ABUNG MEITEI
21	14U11A0424	NAINI SAI KRISHNA
22	14U11A0426	T RAJU
23	14U11A0427	UMMADISETTY VENKATA
24	14U11A0428	PEDDI OM VAMSHI KRISHNA
25	15U15A0401	AUVUCHARLA LIKHITHA
26	15U15A0402	BANDI SRIKANTH
27	15U15A0403	BANOTH RAVINDER
28	15U15A0404	BATHULA MAHESH
29	15U15A0405	CHENNOJU MADHURI
30	15U15A0406	CHILUKA CHINMAI
31	15U15A0407	CHINTHA MALATHI
32	15U15A0408	DUBBAKA KAMINI
33	15U15A0409	EAGA LAVANYA
34	14U11A0401	AYEKPAM SURJITKUMAR SING


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SNO	HNO	NAME OF THE STUDENT
35	15U15A0410	EALURI MANOHAR
36	15U15A0411	GADI RAJASHEKAR
37	15U15A0412	GAJJI RAJESHWARI
38	15U15A0413	JAKKANI DIVYA
39	15U15A0414	KANDHADI APARNA
40	15U15A0415	KOMMANA SWAPNA
41	15U15A0416	KOYYA MADHURI
42	15U15A0417	M MATSYAGIRI
43	15U15A0418	MACHINENI VENU
44	15U15A0419	MANCHALA PRIYANKA
45	15U15A0420	MARGAM RAHUL
46	15U15A0421	MOOGALA YAMINI
47	15U15A0422	NAMILIKONDA PADMA
48	15U15A0423	NARSINGAM PULLAIAH
49	15U15A0424	NIKITHA T
50	15U15A0425	PALADI SRINIVAS
51	15U15A0426	PALLEBOINA SHIRISHA
52	15U15A0427	PAMPAD SUKUMAR


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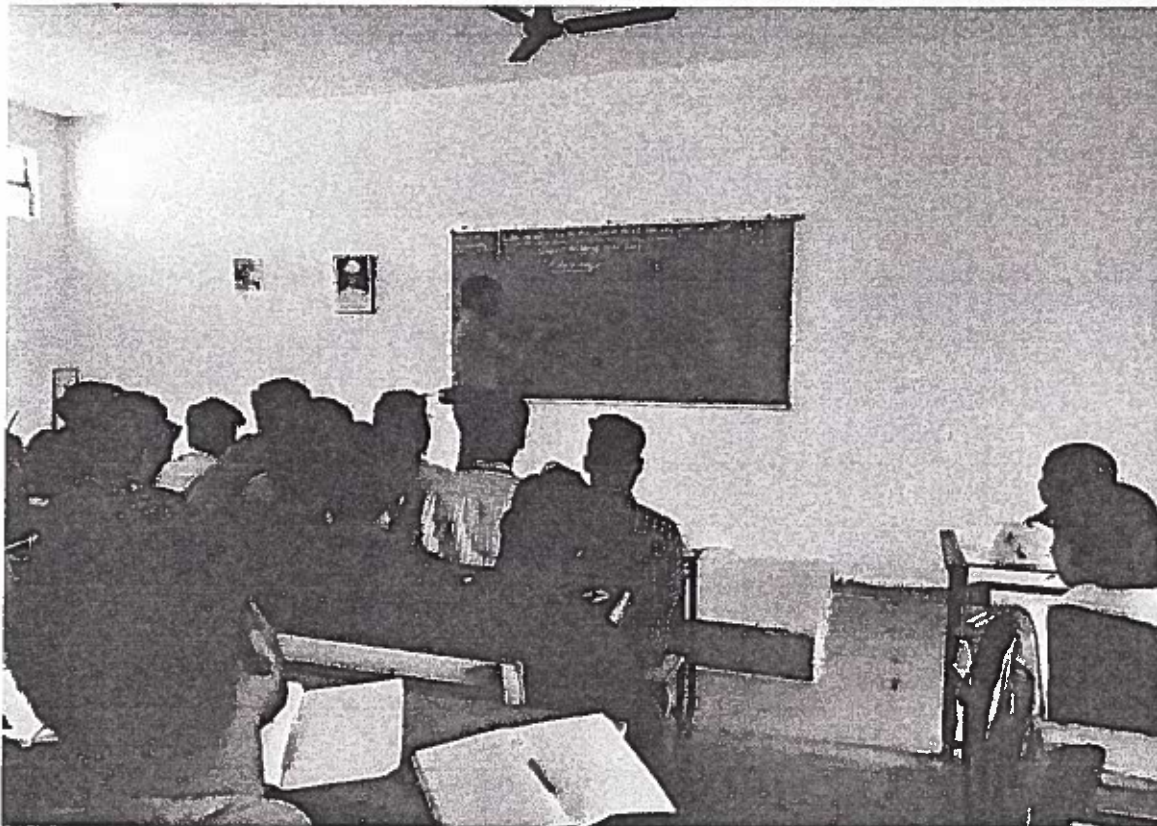

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REPORT

DATE: 10/01/2017

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 12/12/2016 to 07/01/2017

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 Electronics & Communication 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	Mr. K. Suresh babu.
2	Analog Circuits Diode circuits:	Mr. Gurram prasanth
3	Networks, Signals and Systems	Mr. N. Ranjin Reddy
4	Electronic Devices circuits	Mrs. S. Divya.
5	Digital Circuits	Mr. V. Sandeep Kumar
6	Control Systems	Mr. T. Laxmal Nayana.
7	Communications	Mrs. Y. Jalajakshi
8	Electromagnetics	Mr. A. Harish.
9	Reasoning and Quantitative Aptitude.	Mr. K. Suresh babu

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 ECE students who participated in GATE classes is enclosed.


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NAME OF THE PROGRAMME: GATE COACHING CLASSES

VENUE: ROOM NO-217 (SECOND FLOOR)

TIMINGS: 04:30PM TO 06:30PM

The list of III Year ECE students attended for the Academic Year: 2016-2017

SNO	HNO	12/12	13/12	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	14U11A0401	P	A	P	P	A	P	A	A	P	A	P	A	P	P	A	P	A	P	A	P
2	14U11A0402	P	A	A	P	A	P	A	A	P	A	P	A	P	A	P	A	P	A	P	A
3	14U11A0403	A	P	P	A	P	A	A	A	P	P	A	P	P	P	A	P	P	P	P	P
4	14U11A0404	P	A	P	P	P	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P
5	14U11A0406	P	P	P	P	P	A	P	A	P	P	P	P	P	A	A	P	A	P	A	P
6	14U11A0407	P	P	A	A	P	A	P	P	A	P	P	P	A	A	A	P	P	P	P	P
7	14U11A0408	A	A	P	P	P	P	P	A	A	P	P	A	A	P	P	A	P	A	P	P
8	14U11A0409	A	P	P	P	P	P	P	A	P	A	P	P	A	P	P	P	P	P	P	P
9	14U11A0410	A	P	P	P	P	P	A	P	P	P	A	P	A	P	A	P	A	P	P	P
10	14U11A0411	P	P	P	A	P	P	A	A	P	P	P	A	P	P	A	A	P	P	P	P
11	14U11A0412	P	P	P	P	P	A	A	A	P	P	P	A	A	P	A	P	P	P	P	P
12	14U11A0414	P	P	A	P	A	A	A	A	P	P	P	P	A	P	A	P	A	P	A	P
13	14U11A0415	P	P	A	P	P	A	A	A	P	P	P	P	P	P	A	P	P	P	P	P
14	14U11A0416	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
15	14U11A0417	P	A	P	P	A	P	P	A	P	P	P	A	P	P	P	A	P	A	P	P
16	14U11A0419	P	P	P	A	P	P	P	P	A	P	P	P	A	A	P	P	A	P	A	P
17	14U11A0420	A	A	P	P	P	A	P	P	A	A	P	P	A	A	P	A	P	A	P	A
18	14U11A0421	A	P	P	A	P	A	P	P	P	P	P	P	A	A	A	A	P	A	P	A
19	14U11A0422	A	P	A	P	A	A	A	P	P	P	A	P	P	A	A	A	P	A	P	A
20	14U11A0423	A	P	A	P	A	A	A	A	P	P	P	A	P	P	A	P	P	P	P	P
21	14U11A0424	P	A	P	A	A	A	A	A	P	P	P	P	P	A	A	P	P	P	P	P
22	14U11A0426	A	P	P	A	A	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P
23	14U11A0427	A	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P
24	14U11A0428	P	A	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P
25	15U15A0401	P	A	A	A	A	A	P	P	P	P	P	P	A	A	P	P	P	P	P	P
26	15U15A0402	P	P	A	P	A	A	P	P	P	A	P	A	A	P	P	P	P	P	P	P
27	15U15A0403	P	P	P	P	A	P	D	A	P	A	P	P	A	P	A	P	P	P	P	P
28	15U15A0404	P	P	P	P	P	P	A	P	P	A	P	A	P	A	P	A	P	P	P	P
29	15U15A0405	P	P	A	A	D	A	P	A	P	P	P	P	A	A	A	A	P	P	P	P
30	15U15A0406	P	P	P	P	P	P	P	A	P	P	P	P	P	A	A	P	A	P	A	P
31	15U15A0407	A	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P	A	P	A	P
32	15U15A0408	P	A	P	P	A	P	P	P	P	P	P	A	P	A	P	P	P	P	P	A
33	15U15A0409	P	P	P	P	A	A	P	P	P	A	P	P	P	A	P	P	P	P	P	A
34	14U11A0401	P	P	P	A	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P


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SNO	HNO	2/2	3/2	4/2	5/2	6/2	7/2	8/2	9/2	10/2	11/2	12/2	13/2	14/2	15/2	16/2	17/2	18/2	19/2	20/2	21/2	22/2	23/2	24/2	25/2	26/2	27/2	28/2	29/2	30/2	31/2						
35	15U15A0410	P	P	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P						
36	15U15A0411	D	P	P	P	P	A	P	P	P	A	P	A	D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P						
37	15U15A0412	P	P	A	P	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	P						
38	15U15A0413	P	P	P	P	A	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						
39	15U15A0414	A	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	P	P	P	P						
40	15U15A0415	P	A	P	A	D	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P							
41	15U15A0416	P	P	P	P	P	P	P	P	A	P	A	D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P							
42	15U15A0417	P	P	A	P	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							
43	15U15A0418	P	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	P	P	P							
44	15U15A0419	A	P	P	A	P	P	P	P	A	P	P	P	A	P	D	P	P	P	P	P	P	P	P	P	P	P	P	P	P							
45	15U15A0420	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	P	P	P	P							
46	15U15A0421	P	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P							
47	15U15A0422	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							
48	15U15A0423	P	P	P	P	A	P	P	P	A	D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P							
49	15U15A0424	A	P	P	A	P	P	P	A	D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P							
50	15U15A0425	P	P	A	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	P							
51	15U15A0426	P	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P							
52	15U15A0427	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P							


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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CIRCULAR

Date: 05/12/2016

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 12/12/2016 to 07/01/2017 (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 09/12/2016. Schedule for GATE coaching classes will be issued soon.


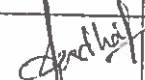
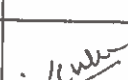
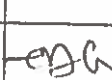
Note:- Bus Facility will be provided from our college premises to Uppal X Road at 06:30 PM.


HOD-CSE


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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
	Reddy	In 3	Jey	Uche		IK		


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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 Bayes 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.

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.

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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.


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


DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Propositional and first order logic, sets & relations, functions, Partial orders
DAY 2	Matching, coloring, Linear Algebra, determinants, system of linear equations.
DAY 3	calculus, Limits & continuity, Maxima & Minima, Mean value theorem.
DAY 4	Probability and Statistics, Random variables.
DAY 5	Boolean Algebra, combinational & sequential circuits, Minimization, computer arithmetic
DAY 6	Machine instructions & Addressing modes ALU, data-path and control unit
DAY 7	Memory hierarchy, cache, main memory and secondary storage
DAY 8	Recursion, Array, stacks, queues, linked lists, trees, binary search trees, graphs
DAY 9	Searching / sorting, hashing, space complexity, Graph traversals, MST
DAY 10	Regular expressions & finite automata Regular & context-free languages, Pumping lemma.
DAY 11	Turing machines & undecidability.
DAY 12	Lexical Analysis, Parsing, Syntax-directed translation, undecidability
DAY 13	Local optimisation, Data flow Analysis

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DAY 14	Constant Propagation, liveness Analysis common subexpression elimination
DAY 15	System calls, Processes, threads, inter-process communication.
DAY 16	Deadlock, CPU and I/O scheduling Memory management & virtual Memory
DAY 17	ER-Model, Relation Model, Relational Algebra, tuple calculus, SQL
DAY 18	Integrity constraints, Normal forms, File organization, indexing
DAY 19	Concept of layering, TCP/IP Protocol Stacks, Basic of Packet.
DAY 20	Data Link layer, error detection, Medium Access control, bridging
DAY 21	Flow control, congestion control, UDP, TCP, Sockets, DNS, Email


COORDINATOR
(P. Divya K.)


HOD


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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	13U11A0511	NIKHIL
2	14U11A0501	ADEPU KARTHIK
3	14U11A0502	AKULA NAG MANISH
4	14U11A0503	AKULA NAGA VEERA MANIKANTA
5	14U11A0505	GADDAMIDI MANASA
6	14U11A0506	GAMPA SUKESH
7	14U11A0507	GANTALA SRIKANTH
8	14U11A0509	LAKSHMI NAVEEN
9	14U11A0510	MAMIDALA RAJANIKANTH
10	14U11A0511	MANDALA KALYANI
11	14U11A0512	MANOJ KOKKULA
12	14U11A0513	MOHAMMAD FARUKHKHAN
13	14U11A0514	NAGUNURI SRILEKHA
14	14U11A0515	ONIAM DAYANANDA SINGH
15	14U11A0517	PARSANABOINA DEEPA
16	14U11A0518	PONNALA YESHWANTH
17	14U11A0520	ROLI SNEHA
18	14U11A0521	ROYYALA AKHIL KUMAR
19	14U11A0522	SAMA RAMAKRISHNA REDDY
20	14U11A0523	GANDHARLA KUMARA SWAMY
21	14U11A0525	SHIKHA MANASA
22	14U11A0526	VANGA PRATHYUSHA
23	14U11A0527	VEMULA PRANAY
24	14U11A0531	PINGALI SAI PAWAN
25	15U15A0501	BONDUGULAPATI VENKATA SAI KRISHNA
26	15U15A0502	CHAMAKURI THARUN
27	15U15A0503	K B S V SAIRAM
28	15U15A0504	KOLA SHIRISHA
29	15U15A0505	MALAGARI PRAMEELA
30	15U15A0506	MATHEPALLY SHARATH KUMAR
31	15U15A0507	MOHAMMAD REZAUL
32	15U15A0508	MD MIRA HUSSAIN
33	15U15A0509	PAMARTHI TRIVENI
34	15U15A0510	RACHAKATLA ARUN KUMAR
35	15U15A0511	THOLICHUKKA SWARNA SREE

COORDINATOR
(P. Divya)

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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: 2016-2017

SNO	HNO	7/12	13/12	14/12	15/12	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
1	13U11A0511	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P						
2	14U11A0501	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	14U11A0502	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	14U11A0503	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	P
5	14U11A0505	P	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
6	14U11A0506	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	14U11A0507	A	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	14U11A0509	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
9	14U11A0510	P	A	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	14U11A0511	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	14U11A0512	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	14U11A0513	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	14U11A0514	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	14U11A0515	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	P
15	14U11A0517	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	14U11A0518	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	14U11A0520	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	P
18	14U11A0521	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	P
19	14U11A0522	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	14U11A0523	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	14U11A0525	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	14U11A0526	P	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
23	14U11A0527	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	P
24	14U11A0531	P	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
25	15U15A0501	P	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
26	15U15A0502	A	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
27	15U15A0503	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	15U15A0504	P	A	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	15U15A0505	A	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
30	15U15A0506	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	P
31	15U15A0507	P	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
32	15U15A0508	P	A	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	15U15A0509	A	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
34	15U15A0510	P	P	A	P	A	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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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

REPORT

DATE: 10/01/2017

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 12/12/2016 to 07/01/2017

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	Shashi Chandar Rao Uppuganti
2	Digital Logic	S Sandeep Kumar
3	Computer Organization and Architecture	Radha Devi.G
4	Programming and Data Structures	Ravali Paripelli
5	Algorithms	Radhika Thirunahari
6	Theory of Computation	Chakrapani Charupalli
7	Compiler Design -	Chakrapani Charupalli
8	Operating System	Roopadevi Bosukonda
9	Databases	Praveenkumar Miryala
10	Computer Networks	Aluguvelli Kiran Kumar Reddy

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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COORDINATOR
(P. Divya)


HOD


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DEPARTMENT OF CIVIL ENGINEERING

CIRCULAR

Date: 06/12/2017

All the students of B.Tech III Year are informed that the Department of Civil Engineering is conducting "GATE COACHING CLASSES" scheduled from 11/12/2017 to 10/01/2018 (04:30PM to 06:30PM). All the students are requested to utilize this wonderful opportunity to crack the competitive exam like GATE .Enroll your names at the office of HOD-CE on or before 08/12/2017.Schedule for GATE coaching classes will be issued soon.

Note: - Bus route no 05 will ply at 06:30PM from our college premises up to uppal X Road.

[Handwritten Signature]
HOD-CE

Copy to:

1. Hon'ble-Chairman/Secretary - For information
2. Principal's Office

IQAC	CE	EEE	ME	ECE	CSE	H & S	MBA	AO
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

[Handwritten Signature]
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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.

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.


HOD


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Principal

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DEPARTMENT OF CIVIL ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Structural Engineering - Soil Mechanics
DAY 2	Engineering Mechanics
DAY 3	Engineering Mathematics - Linear Algebra & calculus
DAY 4	ordinary differential Equation (ODE)
DAY 5	Partial Differential Equation (PDE)
DAY 6	Probability and statistics
DAY 7	Geotechnical Engineering - Soil Mechanics
DAY 8	Foundation Engineering
DAY 9	Water Resource Engineering :- Fluid mechanics
DAY 10	Hydraulics
DAY 11	Hydrology
DAY 12	Irrigation
DAY 13	Transportation Engineering - Transportation Infrastructure

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DAY 14	Geometric design of railway track,
DAY 15	Temporary and exist temporary design.
DAY 16	Highway materials
DAY 17	Signal design by webster's method.
DAY 18	Environmental Engineering - Water & waste water quality & treatment.
DAY 19	Sewerage system design
DAY 20	Air pollution
DAY 21	Municipal solid waste
DAY 22	Geomatics Engineering - Principles of surveying
DAY 23	Errors and their adjustment
DAY 24	Photogrammetry & Remote sensing.


TRAINING COORDINATOR


HOD


PRINCIPAL


Principal
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DEPARTMENT OF CIVIL ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	15U11A0101	AKKANAPALLY HAREESH
2	15U11A0102	ANNAMOLU SAIKUMAR
3	15U11A0105	BHUKYA NARENDAR
4	15U11A0106	BODIGE VENKATESH
5	15U11A0108	DAMSANI VENKATESH
6	15U11A0109	DANAVATH SHIVA
7	15U11A0110	ESAM VENKATESH
8	15U11A0111	GADDE GOUTHAM KUMAR
9	15U11A0112	GADDE VENU
10	15U11A0113	GALLA BHAVANI
11	15U11A0114	GOTTIMUKKALA SHOBHARANI
12	15U11A0115	GUDURU NANDU
13	15U11A0116	GUGOLOTHU PRASANNA
14	15U11A0117	KALA MOHAN RAO
15	15U11A0119	KATUKU SHANTHI KUMAR
16	15U11A0120	KONDU ANIL KUMAR
17	15U11A0121	KOVA BHUMA
18	15U11A0123	MOGILI SRUJAN KUMAR GOUD
19	15U11A0124	MOHAMMED DASTAGEER
20	15U11A0125	NALLA MANOJ
21	15U11A0127	NARI VINAY KUMAR
22	15U11A0128	NAYINI MANOHAR REDDY
23	15U11A0129	NEELAKANTAM RAVI
24	15U11A0130	ORUGANTI SHEKHAR
25	15U11A0131	PITLA PRAVEEN
26	15U11A0132	PONNALA PRADEEP
27	15U11A0133	POWDALA KANAKAVVA
28	15U11A0135	R VIDYA SAGAR RAO
29	15U11A0136	RACHA NAVEEN
30	15U11A0137	SRIKALA ARAVIND
31	15U11A0138	SAPAVATH KIRAN KUMAR
32	15U11A0139	THUMMALA YESHWANTH
33	15U11A0140	VISHWAS KUMAR
34	15U11A0141	YELA RAKESH


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SNO	HNO	NAME OF THE STUDENT
35	15U11A0147	SHIVANAND PANDEY
36	15U11A0149	UPPUTURI SRIVISHNU
37	15U11A0151	SANJADAROGNAI DEBBARMA
38	15U11A0152	MOHAMMED JAMSHEED
39	15U11A0153	GUNDEBOINA MAHESWARI
40	15U11A0154	SALIM REZA MONDAL
41	16U15A0101	ATHMAKURI BINDU
42	16U15A0102	B SOUMYA
43	16U15A0103	BATHULA ARAVIND
44	16U15A0104	DAARA MADHUSUDHAN
45	16U15A0105	DHEERAVATH RANADHEER
46	16U15A0106	E PRAVEENKUMAR
47	16U15A0107	EADAY SUNIL KUMAR
48	16U15A0108	KATABATTINI RAMU
49	16U15A0109	KATAKAM VINAY KUMAR
50	16U15A0110	KONDAPAKA ARCHANA
51	16U15A0111	KUNCHAM LAVANYA
52	16U15A0112	LAKUM RAVALI
53	16U15A0113	MADIPALLI SANDEEP
54	16U15A0114	MANGALPALLI SAMPATH KUMAR
55	16U15A0115	N SURYANARAYANA
56	16U15A0116	P RAGHUNATH REDDY
57	16U15A0117	PALVATLA VENKATESHAM
58	16U15A0118	PITTALA SRAVAN KUMAR


TRAINING COORDINATOR


HOD


Principal
Samskruti College of Engg. & Technology
Kondapur(V), Ghatkesar(M), Medchal (D)


Principal
Samskruti College of Engg. & 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)

REPORT

DATE: 17/01/2018

NAME OF THE PROGRAMME: GATE COACHING

DATE: 11/12/2017 to 10/01/2018

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 management, the Department of Civil Engineering has planned to conduct GATE Coaching Classes during working days from 04:30PM to 06:30PM.

The following subjects taught by the following faculty:

S.No	Name of the subject	Subject expert
1	Geo Technical Engineering	Mr. Y.Shiva Kumar Reddy
2	Strength Of Materials	Ms.G.Swarna
3	Environmental Engineering	Mr.J.Mohan
4	Water Resources Engineering	Mr.J.Rana Prathap
5	FM&HM	Mr.P.Anjaih
6	Surveying	Mr.P. Avinash
7	Transportation Engineering	Mr.K.Prathap Reddy
8	Design Of RCC and Steel Structures	Mr.P.Bikku
9	Engineering Mathematics	Mr.Shashichandar Rao
10	Hydrology	Ms.K.Divya

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 by in the exam. The students have expressed that the coaching was very helpful. The list of III B.Tech Civil students whose participate in GATE class is also enclosed.


CO-ORDINATOR


HOD


Principal

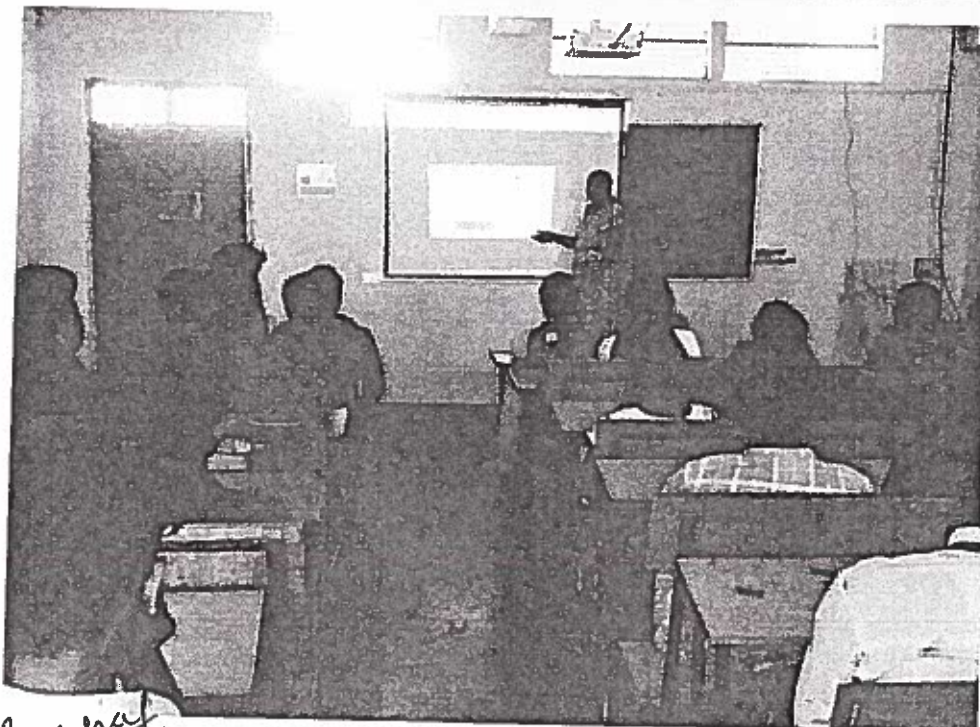
Samskruti College of Engg. & Technology
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Kondapur(V), Ghatkesar(M), Medchal(Dist)



C. Srinivas
CO-ORDINATOR

Santosh
HOD

[Signature]
Principal
Samskruti College of Engg. & Technology
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SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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

NAME OF THE PROGRAMME: GATE COACHING

VENUE: ROOM NO-316 (THIRD FLOOR)

TIMINGS: 04:30PM TO 06:30PM

The list of III Year Civil students attended for the Academic Year: 2017-2018

SNO	HNO	11/12	12/12	13/12	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	31/12	1/1	5/1	6/1	8/1	9/1	10/1	
1	15U11A0101	P	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	
2	15U11A0102	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	15U11A0105	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	15U11A0106	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	P	P
5	15U11A0108	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	15U11A0109	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	P	P
7	15U11A0110	A	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	15U11A0111	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	15U11A0112	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	15U11A0113	A	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	P
11	15U11A0114	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	P	P
12	15U11A0115	P	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	P
13	15U11A0116	A	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	P
14	15U11A0117	A	P	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
15	15U11A0119	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	15U11A0120	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	P	P
17	15U11A0121	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	15U11A0123	P	P	A	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	15U11A0124	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	15U11A0125	P	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	P
21	15U11A0127	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	15U11A0128	P	A	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
23	15U11A0129	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	15U11A0130	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	15U11A0131	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	P	P
26	15U11A0132	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	P	P
27	15U11A0133	A	P	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
28	15U11A0135	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	P	P
29	15U11A0136	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	15U11A0137	P	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	P
31	15U11A0138	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	15U11A0139	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	15U11A0140	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	P	P
34	15U11A0141	A	P	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

Principal

Samskruti College of Engg. & Technology
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SNO	HNO	11/12	12/12	13/12	14/12	15/12	16/12	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	8/1	9/1	10/1	11	
35	15U11A0147	P	A	P	P	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	15U11A0149	P	P	A	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	15U11A0151	P	P	P	A	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	15U11A0152	P	P	P	P	A	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	15U11A0153	A	P	P	P	P	A	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	15U11A0154	P	P	P	A	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	16U15A0101	P	P	P	P	A	P	A	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	16U15A0102	P	P	P	A	P	P	A	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
43	16U15A0103	P	P	P	P	A	A	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
44	16U15A0104	P	P	P	P	A	A	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	P
45	16U15A0105	P	P	P	A	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	16U15A0106	P	A	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
47	16U15A0107	P	P	A	P	P	P	P	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
48	16U15A0108	A	P	P	P	P	A	P	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
49	15U15A0109	P	P	P	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50	16U15A0110	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
51	16U15A0111	P	A	P	P	P	A	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
52	16U15A0112	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
53	16U15A0113	P	P	P	A	P	P	A	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
54	16U15A0114	P	P	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	P	P	P	P	P
55	16U15A0115	P	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
56	16U15A0116	P	P	P	A	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57	16U15A0117	P	P	P	P	A	A	A	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
58	16U15A0118	A	P	P	P	P	P	A	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
59	16U15A0120	P	A	P	P	P	P	A	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
60	16U15A0121	P	P	P	A	P	P	P	P	A	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
61	16U15A0122	P	P	A	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
62	16U15A0123	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	P	P	P	P	P	P	P
63	16U15A0124	P	P	P	P	A	P	A	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
64	16U15A0125	P	P	P	P	A	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	P	P
65	16U15A0126	P	P	P	A	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
66	16U15A0127	A	P	P	P	P	A	P	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
67	16U15A0128	P	P	P	A	P	P	P	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
68	16U15A0129	P	P	A	P	P	A	A	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
69	16U15A0130	P	P	P	P	A	P	A	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
70	16U15A0131	P	A	P	P	P	A	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	P
71	16U15A0132	P	P	P	P	A	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	P	P
72	16U15A0133	P	P	P	A	P	P	A	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

CO-ORDINATOR

Principal

HOD



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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Date: 06/12/2017

All the students of B. Tech III year are informed that the Department of Electrical and Electronics Engineering is conducting "GATE COACHING CLASSES" scheduled from 11/12/2017 to 10/01/2018 (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 08/12/2017. 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

CC to

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


Principal
Samskruti College of Engg. & Technolo-
Kondapur (V), Ghatkesar (M), Medchal Dist.



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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.


Principal

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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

LIST OF REGISTERED STUDENTS

1	15U11A0202	BATTULA NARENDRA
2	15U11A0203	BHUKYA PAVAN KALYAN
3	15U11A0204	BHUKYA RANJITH KUMAR
4	15U11A0205	BOBA KALYAN
5	15U11A0207	GANGAVATH SHIRISHA
6	15U11A0208	DOODI MALLESH
7	15U11A0209	GOUDI SHIRISHA
8	15U11A0213	KANUKUTLA RAJU
9	15U11A0214	KATTEBOINA RAMESH
10	15U11A0215	MUCHAPATHI CHITTY BABU
11	15U11A0216	PASUPULETI NAGENDRA BABU
12	15U11A0217	SENDE PRAKASH
13	15U11A0218	TAMMALLA SWARNA
14	15U11A0219	VOJJEPALLI RANJITH KUMAR
15	15U11A0220	YARAMALA UPENDAR
16	15U15A0201	A PRASHANTH
17	16U15A0201	ANKAM RAVALI
18	16U15A0202	BANDARI NARESH
19	16U15A0203	DAMERA SANDEEP
20	16U15A0204	GUJJULA MAHENDAR REDDY
21	16U15A0205	K SRILAKSHMI
22	16U15A0206	KATRAVULA GURVA RAJU
23	16U15A0207	M GOVIND NAIK
24	16U15A0208	NUKALAGUDAM SRAVANI
25	16U15A0209	R KIRAN
26	16U15A0210	SIRNAPALLY HARITHA
27	16U15A0211	BETHI MANOJ REDDY
28	16U15A0212	BHUKYA NAVEEN
29	16U15A0213	CHANDA JYOSTHNA
30	16U15A0214	DUGGIRAJU UDAYKUMAR
31	16U15A0215	G SURESH
32	16U15A0216	GADIKOPPULA AJAY KUMAR
33	16U15A0217	GOLI HARISH KUMAR
34	16U15A0218	GONGALLA NAGARAJU
35	16U15A0219	GOPE PRASHANTH
36	16U15A0220	GUDLA JAI SURYA GOUD

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

37	16U15A0221	JUPALLY SHIVAKUMAR
38	16U15A0222	KALLAPPA JAMADAR
39	16U15A0224	M VINOD KUMAR REDDY
40	16U15A0225	MAHESHWARAM SHARATH KUMAR
41	16U15A0226	MAILARAM BHARATH KUMAR
42	16U15A0227	MOHAMMAD SAMEER
43	16U15A0228	NAGINAVENA SRAVANKUMAR
44	16U15A0229	NAREDLA SHIVA PRASAD
45	16U15A0230	NEELA KARUNAKAR
46	16U15A0232	SANKRE SRAVAN KUMAR
47	16U15A0233	UYYALA SAIVINAY


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Engineering Mathematics
DAY 2	Linear Algebra
DAY 3	Calculus, Differential Equations
DAY 4	Vector Analysis
DAY 5	Electrical Circuits & Theorems
DAY 6	R, L, C, Parameters
DAY 7	Transient & Steady State Responses
DAY 8	Electro Magnetic Fields
DAY 9	Gauss's Law, Biot-Savart's Law
DAY 10	Signals & systems C-T & D-T systems
DAY 11	Electrical Machines
DAY 12	Power Systems


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

DAY 13	Control Systems
DAY 14	P, PI, PD Controller's
DAY 15	Electrical Measurements
DAY 16	Electrical Measurements
DAY 17	Analog Electronics
DAY 18	Digital Electronics
DAY 19	Power Electronics
DAY 20	MOSFET, IGBT, DC to DC Conv's Thyristor's Rectifiers & Inverters
DAY 21	1- ϕ , 3- ϕ Voltage & Current source Inverters


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

NAME OF THE PROGRAMME: GATE COACHING CLASSES

VENUE: ROOM NO-321 (3rd FLOOR)

TIMINGS: 04:30PM TO 06:30PM

The list of III Year EEE students attended for the Academic Year: 2016-2017

dec-Jan

S.NO	H.NO.	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27				
1	14U11A0201	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P				
2	14U11A0202	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P				
3	14U11A0203	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
4	14U11A0204	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
5	14U11A0205	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P				
6	14U11A0206	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P				
7	14U11A0207	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P				
8	14U11A0208	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
9	14U11A0209	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
10	14U11A0210	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
11	14U11A0211	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P				
12	14U11A0212	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
13	14U11A0213	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
14	14U11A0214	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P				
15	15U15A0201	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
16	15U15A0202	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
17	15U15A0203	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P				
18	15U15A0204	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
19	15U15A0205	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P				
20	15U15A0206	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P				
21	15U15A0207	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P				
22	15U15A0208	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P				
23	15U15A0209	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P				
24	15U15A0210	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P				
25	15U15A0211	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
26	15U15A0212	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
27	15U15A0213	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P				

S. Principal
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S.NO	H.NO.	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	2	3	4	5	6	7	8
34	16U15A0218	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
35	16U15A0219	A	P	P	A	P	P	A	P	P	A	P	P	A	P	P	A	P	P	A	P	P	A	P	P	A	P	P
36	16U15A0220	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	P	P
37	16U15A0221	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
38	16U15A0222	P	A	A	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	16U15A0224	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	P	P
40	16U15A0225	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
41	16U15A0226	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
42	16U15A0227	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
43	16U15A0228	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	P	P
44	16U15A0229	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
45	16U15A0230	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
46	16U15A0232	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
47	16U15A0233	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	P	P


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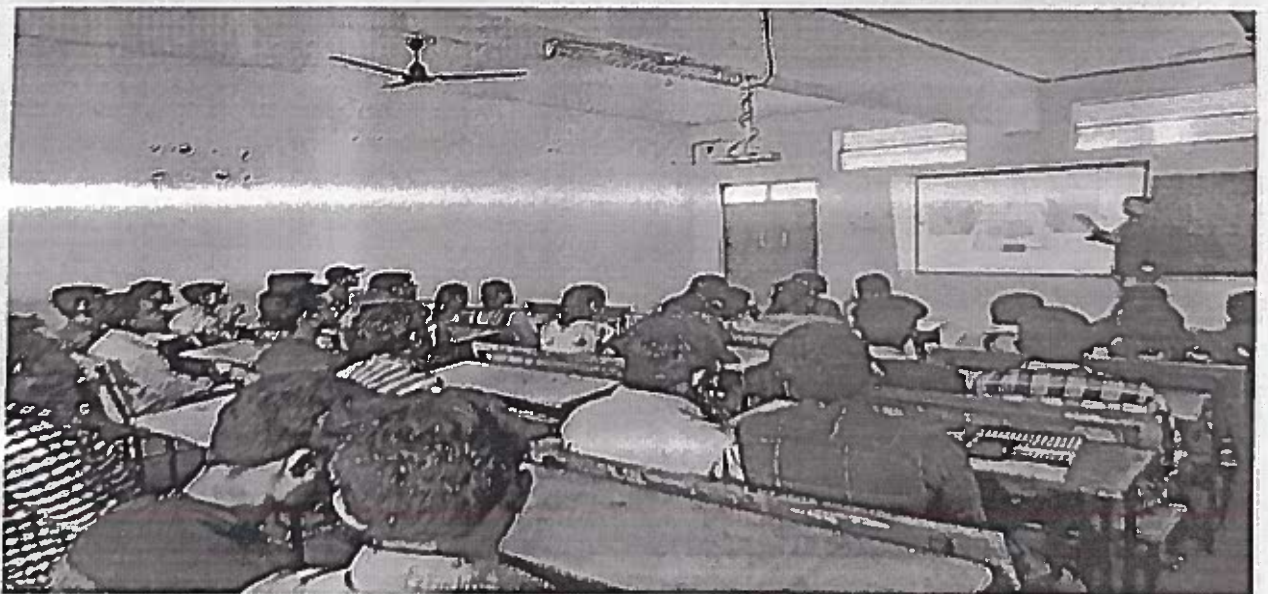
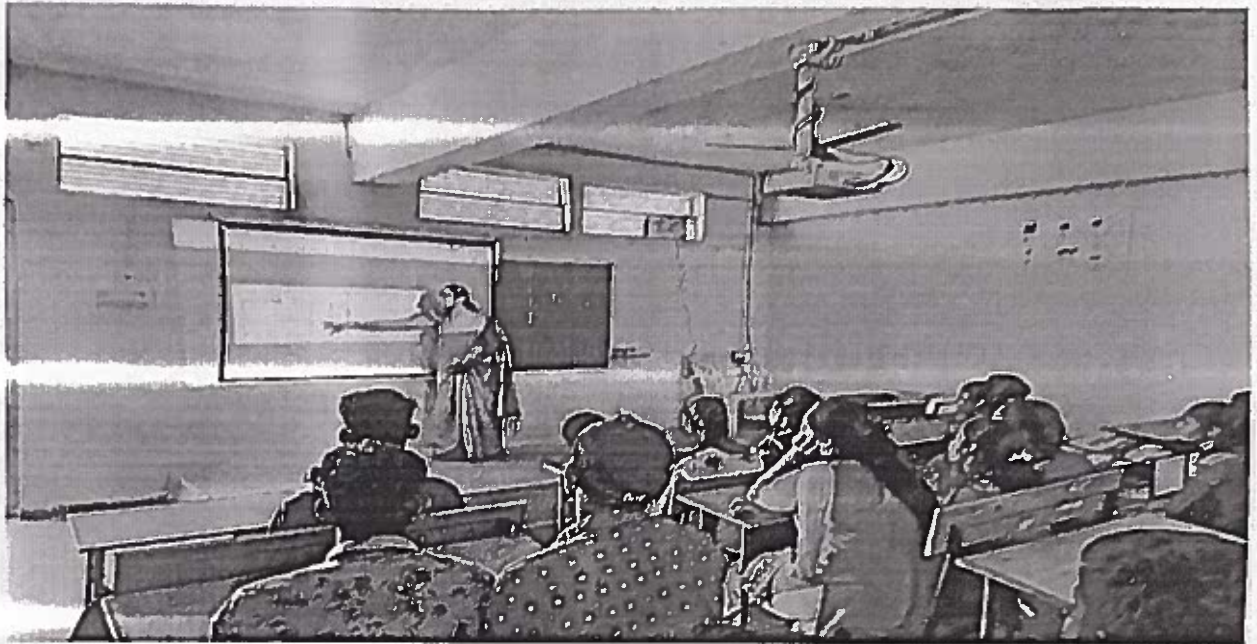

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REPORT

DATE: 17/01/2018

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 11/12/2017 to 10/01/2018

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 Electrical and Electronics Engineering has conducted GATE COACHING CLASSES during working days from 04:30PM to 06:30PM for

III B-TECH students.

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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DEPARTMENT OF MECHANICAL ENGINEERING

CIRCULAR

Date: 06/12/2017

All the students of B. Tech III year are informed that the Department of Mechanical Engineering is conducting "COMPETITIVE EXAMINATIONS: GATE COACHING CLASSES" scheduled from 11/12/2017 to 10/01/2018 (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-ME on or before 08/12/2017. Schedule for GATE coaching classes will be issued soon.









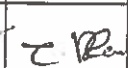
Note:- Bus Facility will be provided from our college premises to Uppal X Road at 06:30 PM.


HOD-ME


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 MECHANICAL ENGINEERING

SYLLABUS FOR GATE EXAM

Section 1: Engineering Mathematics

Linear Algebra - Linear equations, Matrix algebra, eigenvalues and eigenvectors.

Differential equations - Linear and nonlinear, Euler-Cauchy equation; higher-order linear differential equations with constant coefficients, initial and boundary value problems; solutions of heat, wave and Laplace's equations; Laplace transforms.

Calculus - Evaluation of definite and improper integrals; Functions of single variable, limit, continuity and differentiability, mean value theorem, indeterminate forms; double and triple integrals; total derivative, partial derivatives, maxima and minima, Taylor series (in one and two variables), Fourier series; divergence and curl, gradient, vector identities, line, directional derivatives, surface and volume integrals, and Green's theorems and applications of Gauss, Stoke.

Probability and Statistics - Probability, conditional probability; sampling theorems; median, mean, mode and standard deviation; binomial, random variables, normal and Poisson distributions.

Numerical Methods - Integration by trapezoidal and Simpson's rules; - Numerical solutions of linear and non-linear algebraic equations; single & multi-step for differential equations.

Complex variables - Cauchy-Riemann equations; Analytic functions, Taylor and Laurent series. Cauchy's integral theorem & integral formula

Section 2: Applied Mechanics and Design

Mechanics of Materials - Elastic constants, Stress and strain, Poisson's ratio, thin cylinders, Mohr's circle for plane stress and plane strain, shear force and bending moment diagrams, deflection of beams, bending and shear stresses, torsion of circular shafts, energy methods, Euler's theory of columns, thermal stresses, testing of materials with universal testing machine, strain gauges and rosettes, testing of hardness and impact strength.


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Engineering Mechanics - Trusses and frames; Free body diagrams and equilibrium, virtual work; impulse and momentum (linear and angular), kinematics and dynamics of particles & of rigid bodies in plane motion and energy formulations, collisions.

Theory of Machines - Displacement, velocity and acceleration analysis of plane mechanisms; dynamic analysis of linkages; cams; gears and gear trains; flywheels and governors; balancing of reciprocating and rotating masses; gyroscope.

Machine Design - Design for static and dynamic loading, Failure theories, fatigue strength and the S-N diagram, gears, shafts, rolling and sliding contact bearings, springs, brakes and clutches, principles of the design of machine elements like riveted, bolted and welded joints

Vibrations - Effect of damping, Free and forced vibration of single degree of freedom systems, resonance, vibration isolation, critical speeds of shafts.

Section 3: Fluid Mechanics and Thermal Sciences

Heat-Transfer - One-dimensional heat conduction, modes of heat transfer, heat transfer through fins, resistance concept & electrical analogy, lumped parameter system, unsteady heat conduction, Heisler's charts, dimensionless parameters in free and forced convective heat transfer, thermal boundary layer, heat transfer correlations for flow over flat plates and through pipes, heat exchanger performance, effect of turbulence, LMTD & NTU methods; Stefan-Boltzmann law, radiative heat transfer, Wien's displacement law, view factors, black and grey surfaces and radiation network analysis.

Fluid Mechanics - Fluid statics, properties, manometry, buoyancy, stability of floating bodies, forces on submerged bodies, control-volume analysis of mass, fluid acceleration, momentum and energy, differential equations of continuity and momentum, dimensional analysis, Bernoulli's equation, viscous flow of incompressible fluids, elementary turbulent flow, boundary layer, flow through pipes, bends and fittings and head losses in pipes

Applications - Power Engineering, I.C. Engines, Refrigeration and air-conditioning and Turbomachinery

Thermodynamics - Properties of pure substances, thermodynamic systems and processes, the behaviour of ideal and real gases, calculation of work and heat in various processes, zeroth and first laws of thermodynamics, the second law of thermodynamics, thermodynamic relations and thermodynamic property charts and tables, availability and irreversibility


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Section 4: Materials, Manufacturing and Industrial Engineering

Casting, Forming and Joining Processes - Design of patterns, moulds and cores, Different types of castings, solidification and cooling, riser & gating design, fundamentals of hot and cold working processes, Plastic deformation and yield criteria load estimation for bulk (drawing, rolling, forging, extrusion) and sheet (deep drawing, shearing, bending), principles of powder metallurgy, metal forming processes, brazing, Principles of welding, soldering & adhesive bonding.

Engineering Materials - Phase diagrams, structure and properties of engineering materials, heat treatment, stress-strain diagrams for engineering materials.

Machining & Machine Tool Operations -Basic machine tools, Mechanics of machining, single and multi-point cutting tools, tool life and wear, tool geometry and materials, the economics of machining, principles of work holding, principles of non-traditional machining processes, design of jigs and fixtures.

Computer Integrated Manufacturing - Concepts of CAD/CAM and their integration tools.


Metrology and Inspection - Linear and angular measurements, Limits, fits and tolerances & comparators; gauge design, interferometry, alignment and testing methods, form and finish measurement, tolerance analysis in manufacturing and assembly.

Production Planning and Control - Aggregate production planning, forecasting models, materials requirement planning and scheduling.

Operations Research - Simplex method, linear programming, transportation, network flow models, assignment, simple queuing models and PERT & CPM.

Inventory Control - Safety stock inventory control systems, Deterministic models.


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

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Linear equation, matrix equation, eigen values & Eigen vectors.
DAY 2	Linear & non linear, Euler-cauchy eqn, higher-order linear Diff eqn.
DAY 3	Calculus - Evaluation of definite and improper-integrals, function
DAY 4	Probability & Statistics. Probability, conditional probability.
DAY 5	Numerical Methods :- Integration by trapezoidal & Simpson's-Rules
DAY 6	Complex variables :- Cauchy-Riemann Equations, Analytic function,
DAY 7	Mechanics of Material Elastic const, stress & strain
DAY 8	Euler's theory of columns Thermal stress, testing of materials
DAY 9	Engineering mechanics. Trusses and frames, Free body diagram.
DAY 10	Kinematics and Dynamics of particles
DAY 11	Design for static & dynamic loading, failure theories.
DAY 12	Vibrations - Effects of damping free and forced vibration.


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DAY 13	H/T one dimensional heat conduction, modes of H.T.
DAY 14	Heisler's charts, dimensionless parameters in free & forced
DAY 15	fluid mechanics fluid statics,
DAY 16	Application - Power Engineering I.C engines.
DAY 17	Thermodynamics - properties of pure substances.
DAY 18	laws of Thermodynamics.
DAY 19	Casting, forming & Joining process Engineering material
DAY 20	Machining & machine Tools.
DAY 21	Production planning & control
DAY 22	Inventory control
DAY 23	Engineering materials - phase diagram.
DAY 24	Heat treatment, stress-strain diagram.


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

DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	15U11A0301	ALAKUNTA NAGARAJU
2	15U11A0302	BANOTH SHARATH
3	15U11A0303	BEENA VENI SUDHAKAR
4	15U11A0304	BETHI PRASHANTH
5	15U11A0305	BHUKYA SANTHOSH
6	15U11A0306	BODA RAJ GOPAL
7	15U11A0307	BUHELLI ILESH
8	15U11A0308	CHAVA AVINASH
9	15U11A0309	CHIKURTHI PARAMESHWAR
10	15U11A0310	CHINTHAKINDI PRAVEEN
11	15U11A0311	CHITREDDY ARUN KUMAR
12	15U11A0312	DASARI KARTHIK
13	15U11A0313	DASUGARI BALASHIVUDU
14	15U11A0314	ESHLAVATH MANIPAL
15	15U11A0315	GOLANUKONDA SAMPATH
16	15U11A0316	GOPU RAJASHEKAR
17	15U11A0317	JAYAGAR MENUMITTU
18	15U11A0318	K ARAVIND BABU
19	15U11A0319	KAMBLE AMOL
20	15U11A0320	KANUKUNTALA DINESH
21	15U11A0321	KAVALI RAVI
22	15U11A0322	KENDRE ROHITH
23	15U11A0323	KOLLURI SRIKANTH
24	15U11A0324	KONDURU HARISH
25	15U11A0325	KOTTA KARTHEEK
26	15U11A0326	KUKUNTLA MUKESH KUMAR
27	15U11A0327	MANNE KARNAKAR RAO
28	15U11A0328	MARUPAKA GANESH
29	15U11A0329	MOHAMMED AFROZ
30	15U11A0330	MUDAVATH SRINIVASULU
31	15U11A0331	NADELLA SHARATH CHANDRA
32	15U11A0332	NAKKA VENKATARAMANA
33	15U11A0333	NAREDLA VENKAT REDDY
34	15U11A0334	P VIVEK REDDY


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SNO	HNO	NAME OF THE STUDENT
35	15U11A0344	BOKKA VINEETHREDDY
36	15U11A0345	BIJI SAIRAM
37	15U11A0346	D NAGA SOMNATH
38	15U11A0349	GOGULWAR SHASHIDHAR REDDY
39	15U11A0350	INAMUL HOQUE
40	15U11A0351	MOHAMMED SALMAN
41	15U11A0354	T VENU GOPAL
42	15U11A0355	KOMMANAPELLI SRIKANTH
43	15U11A0356	K RAKESH BABU
44	15U11A0357	PRADEEP KUMAR CHAURASIA
45	15U11A0358	MANOJ KUMAR RAM
46	16U15A0301	ANIL KUMAR DUNNAPOTHULA
47	16U15A0302	BANAVATH VAMSHI NAYAK
48	16U15A0303	CHERUKU RANJITH KUMAR GOUD
49	16U15A0304	DHINDU VENKATESH GOUD
50	16U15A0305	GADARLA RAKESH
51	16U15A0306	JARUPLA RAHUL
52	16U15A0307	KONAKALI NARESH
53	16U15A0308	KUTURU NISHITHKUMAR
54	16U15A0309	MOHAMMAD ABBAS ALI
55	16U15A0310	MOLUGU SAIRAM
56	16U15A0311	NAYINI SHIVA KRISHNA REDDY
57	16U15A0312	RAMAVATH ASHOK
58	16U15A0313	RAMAVATH SHANKAR
59	16U15A0314	SANEM PAANDU RANGA GOUD
60	16U15A0315	SURAM SAINADH REDDY
61	16U15A0316	TEKULAPALLY PRATISH
62	16U15A0317	VADDLAKONDA BHASKAR
63	16U15A0318	VEDAVYAS KULKARNI
64	16U15A0319	VORUGANTI LOKESH
65	16U15A0320	BHUKYA RAGHU
66	16U15A0321	G SHOBANBABU


CO-ORDINATOR


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



SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY
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Kondapur(V), Ghatkesar(M), Medchal(Dist)

DEPARTMENT OF MECHANICAL ENGINEERING

REPORT

DATE: 17/01/2018

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 11/12/2017 to 10/01/2018

TIMINGS: 04:30PM TO 06:30PM

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

As per the direction given by the IQAC, the Department of Mechanical 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 Mechanics	Mr. Veerendra Prasad
2	Mechanics of Materials	Mr. B.Gopi Chand
3	Theory of Machines	Mr.K. Vijay Kumar
4	Machine Design	Mr. D.Naveen
5	Heat-Transfer	Mr. B.Ramesh
6	Fluid Mechanics	Mrs.M.Swarna
7	Thermodynamics	Mr.B.Venkatesh
8	Engineering Materials	Mr.M.Hari Prasad
9	Manufacturing and Industrial Engineering	Mr.Gurunath
10	Computer Integrated Manufacturing	Mr.K.Rakesh
11	Production Planning and Control	Mr.A.V.Praveen
12	Operations Research	Mr. I.S.N.V.R.Prasanth

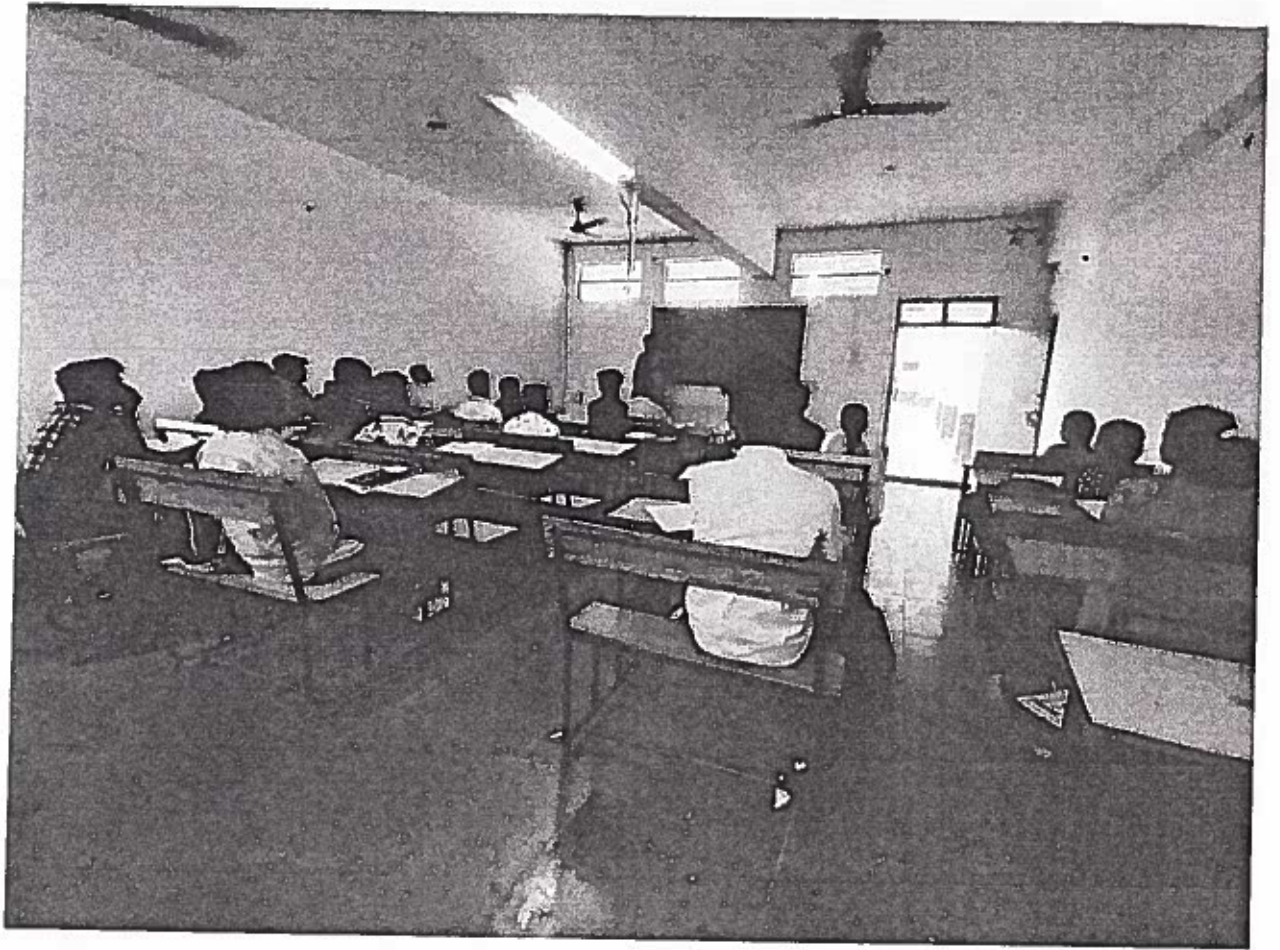
Every day as per the devised schedule the outcome of the program is mainly focused on giving fundamental knowledge in various subjects and gives relevant information to score in the exam. The students have expressed that the coaching was very helpful. The list of III ME students who participated in GATE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

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Hemvi
COORDINATOR

A. S.
HOD

[Signature]
Principal
Samskruti College of Engg. & Technology
Kondapur (V), Ghatkesar (M), Medchal Dist.

SNO	HNO	11/12	12/12	13/12	14/12	15/12	16/12	18/12	19/12	20/12	21/12	22/12	23/12	24/12	25/12	26/12	27/12	28/12	30/12	31/12	1/1	2/1	3/1	4/1	5/1	6/1	8/1	9/1	10/1
35	15U11A0344	A	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
36	15U11A0345	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	P	P	P
37	15U11A0346	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	P	P	P
38	15U11A0349	P	P	A	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	15U11A0350	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	P	P	P
40	15U11A0351	P	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	P	P
41	15U11A0354	P	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	P	P
42	15U11A0355	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
43	15U11A0356	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	P	P	P
44	15U11A0357	P	A	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	P
45	15U11A0358	A	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	16U15A0301	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
47	16U15A0302	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	P	P	P
48	16U15A0303	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
49	16U15A0304	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	P	P	P
50	16U15A0305	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	P	P	P
51	16U15A0306	P	P	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	P
52	16U15A0307	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
53	16U15A0308	P	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	P	P
54	16U15A0309	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	P	P	P
55	16U15A0310	P	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	P	P
56	16U15A0311	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	P	P	P
57	16U15A0312	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	P	P	P
58	16U15A0313	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	P	P	P
59	16U15A0314	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
60	16U15A0315	P	A	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	P
61	16U15A0316	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
62	16U15A0317	A	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
63	16U15A0318	P	P	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	P
64	16U15A0319	P	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	P	P
65	16U15A0320	P	P	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	P
66	16U15A0321	P	P	P	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


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CIRCULAR

Date: 06/12/2017

All the students of B. Tech III year are informed that the Department of Electronics & Communication Engineering is conducting " GATE COACHING CLASSES" scheduled from 11/12/2017 to 10/01/2018 (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 08/12/2017. 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.

AS
HOD-ECE

CC to

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

IQAC	CE	EEE	ME	ECE	CSE	H & S	MBA	AO
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

[Signature]
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SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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

DEPARTMENT OF ELECTRONICS AND COMMUNICATION 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: 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.

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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. 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.


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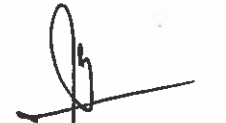
Section 8: Electromagnetics

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


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

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	solution of linear equations and uniqueness
DAY 2	surface and volume integrals
DAY 3	partial differential equations.
DAY 4	Node and Mesh analysis
DAY 5	equilibrium carrier concentration.
DAY 6	generation and recombination carriers
DAY 7	current mirrors and differential amplifiers
DAY 8	integer and floating-point numbers
DAY 9	sample and hold circuits ADCs & DACs
DAY 10	Machine instructions and addressing modes
DAY 11	Lead and lag-lead compensation
DAY 12	autocorrelation and power spectral density
DAY 13	properties of white noise.


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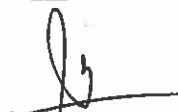
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DAY 14	Spectra of AM and FM .
DAY 15	Inter-symbol interference .
DAY 16	matched filter receiver .
DAY 17	Fundamentals of error correction
DAY 18	Boundary conditions
DAY 19	Reflection and Refraction
DAY 20	propagation through various media
DAY 21	characteristic impedance
DAY 22	Rectangular and circular waveguides
DAY 23	light propagation in optical fibers
DAY 24	dipole and monopole antennas


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

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	14U11A0425	SEETHA NAGARAJU
2	15U11A0401	ABRABOINA NARESH
3	15U11A0402	AITHA RACHANA
4	15U11A0403	ARRAGOKULA ROHAN RAJ
5	15U11A0405	BUDUMA VINAY
6	15U11A0406	B BHAVANI
7	15U11A0407	CHEEDALLA PAVAN KUMAR
8	15U11A0409	CHILUKA NIKHIL
9	15U11A0411	DANDIGA SHIVA SAI
10	15U11A0412	DASARI SRISAILAM YADAV
11	15U11A0415	DONGRI MILIND
12	15U11A0416	GANGISHETTY LALITHA RANI
13	15U11A0418	GUGLAVATH MAMATHA
14	15U11A0419	INDIRALA SAMPATH REDDY
15	15U11A0420	JADI ANUSHA
16	15U11A0421	JILLELLA VATHSALYA REDDY
17	15U11A0422	JITTAVENI GANGARAJU
18	15U11A0423	JORKA SOWMYA
19	15U11A0424	KADARI GANGAJAMUNA
20	15U11A0425	KALIMAKOLAN SRUTHI
21	15U11A0426	KANDI SIRISHA
22	15U11A0427	KANUGANTI KARUNAKAR
23	15U11A0428	KODIMYALA ARAVIND
24	15U11A0429	KOSARAJU JAYA SURYA
25	15U11A0431	MACHARLA DIVYA
26	15U11A0432	MACHARLA SHRAVYA
27	15U11A0433	MADHARI ANUSHA
28	15U11A0434	MANCHALA PRANUSHA
29	15U11A0436	MARRI MAHESH
30	15U11A0438	MOHAMMED ANSAR MINHAZ
31	15U11A0439	MOKALA SANDEEP REDDY
32	15U11A0440	MOLAKALA AKHIL
33	15U11A0441	MOLKALA UMA
34	15U11A0442	N RAKESH

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SNO	HNO	NAME OF THE STUDENT
35	15U11A0443	NARRAMULA SHIRISHA
36	15U11A0445	PEDDIGARI SHRUTHI
37	15U11A0446	CH SAI KUMAR
38	15U11A0449	RAIKODU SRAVANI REDDY
39	15U11A0450	R RACHANA REDDY
40	15U11A0451	RONDLA VENKAT REDDY
41	15U11A0452	SANDA VIJAY
42	15U11A0453	SARIBALA SRIVIDYA
43	15U11A0455	SEESA BHARGAVI
44	15U11A0456	SHANKAPELLI SANDHYA RANI
45	15U11A0458	SOMA SRAVANI
46	15U11A0459	THOTA VAMSI AVINASH
47	15U11A0460	TOTA LAXMI TEJASWINI
48	15U11A0461	VADLAKONDA MANIDHAR SIMHA
49	15U11A0463	VUMAMDI SINDHU
50	15U11A0464	YALAGALA RAMYA
51	15U11A0465	YARA SUCHARITHA
52	15U11A0467	CHILUKURI PRASHANTHI
53	15U11A0469	KIRAN KUMAR KATA
54	15U11A0470	MERABOINA SAI SHIVA
55	15U11A0471	S RAM PRASAD
56	15U11A0472	SARAF UDAY KUMAR
57	16U15A0401	ADUNOORI GANESH
58	16U15A0402	CHANDRAYENAGUDEM
59	16U15A0403	GANDHAMALLA HARIKA


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SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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

REPORT

DATE: 17/01/2018

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 11/12/2017 to 10/01/2018

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 Electronics & Communication 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	Mr. K. Suresh babu
2	Analog Circuits Diode circuits:	Mr. A. Harish
3	Networks, Signals and Systems	Mr. J. Vamsi Krishna
4	Electronic Devices circuits	Ms. Divya
5	Digital Circuits	Mrs. V. Sandeep kumar
6	Control Systems	Mr. K. Sidhan
7	Communications	Mrs. Y. Talajakshi
8	Electromagnetics	Mr. P. Ashok kumar
9	Reasoning and Quantitative Aptitude.	Mr. K. Suresh babu

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 ECE students who participated in GATE classes is enclosed.


CO-ORDINATOR


HOD

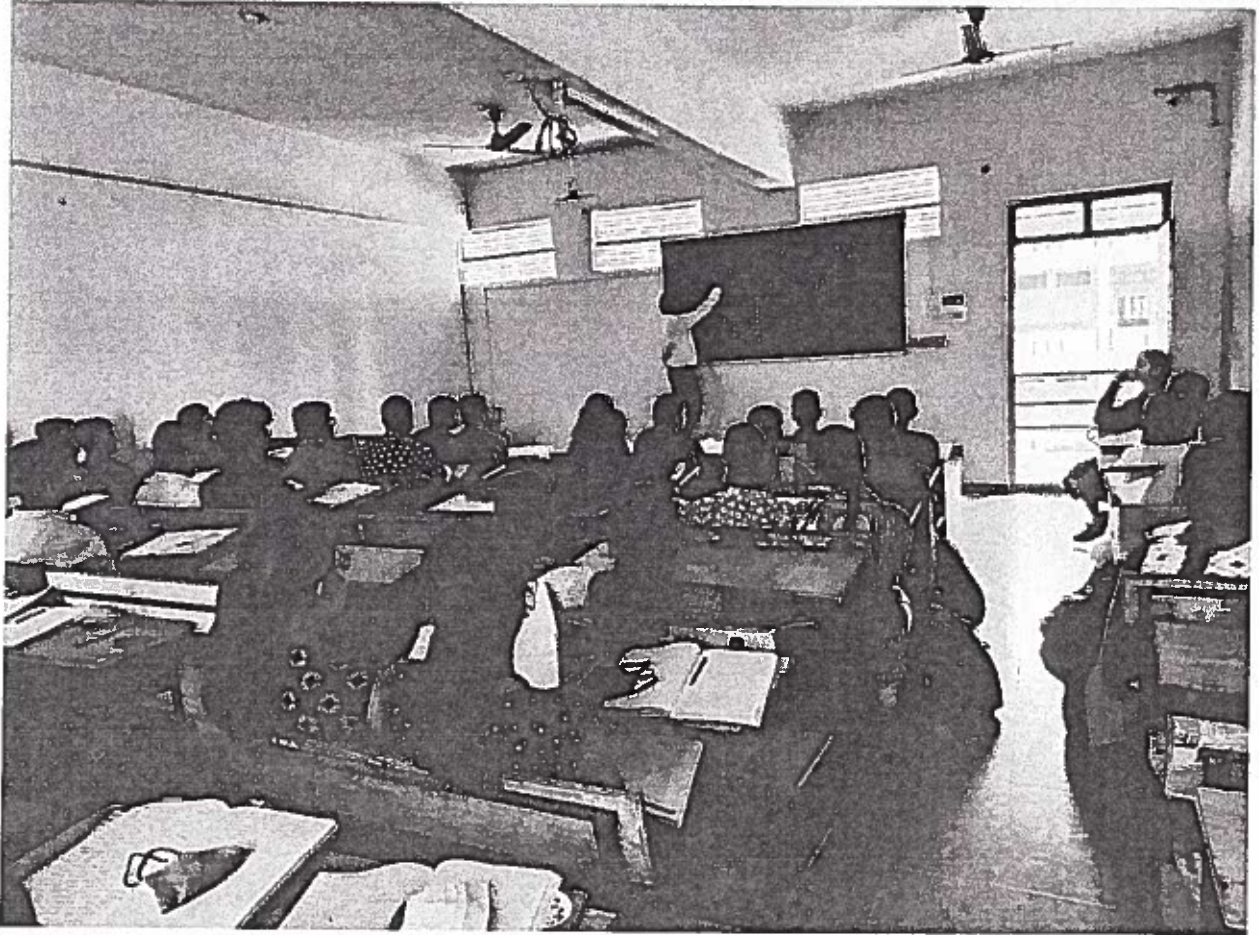

Principal
Samskruti College of Engg. & Technology
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SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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

NAME OF THE PROGRAMME: GATE COACHING CLASSES

VENUE: ROOM NO-217 (SECOND FLOOR)

TIMINGS: 04:30PM TO 06:30PM

The list of III Year ECE students attended for the Academic Year: 2017-2018

SNO	HNO	II																											
		11/12	12/12	13/12	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	
1	14U11A0425	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
2	15U11A0401	P	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	P	
3	15U11A0402	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	P	P	
4	15U11A0403	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	P	P	
5	15U11A0405	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	P	P	
6	15U11A0406	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
7	15U11A0407	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
8	15U11A0409	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
9	15U11A0411	A	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
10	15U11A0412	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	P	P	
11	15U11A0415	P	A	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
12	15U11A0416	P	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	P	
13	15U11A0418	A	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	15U11A0419	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
15	15U11A0420	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
16	15U11A0421	A	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	P	
17	15U11A0422	P	P	P	A	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
18	15U11A0423	P	P	A	P	P	A	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
19	15U11A0424	A	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	P	
20	15U11A0425	P	A	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	
21	15U11A0426	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
22	15U11A0427	A	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
23	15U11A0428	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
24	15U11A0429	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
25	15U11A0431	A	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	P	
26	15U11A0432	P	P	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	
27	15U11A0433	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
28	15U11A0434	P	P	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	
29	15U11A0436	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
30	15U11A0438	A	P	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	
31	15U11A0439	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	P	P	
32	15U11A0440	P	A	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	
33	15U11A0441	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	P	P	
34	15U11A0442	A	P	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	

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SNO	HNO	11/12	12/12	13/12	14/12	15/12	16/12	18/12	19/12	20/12	21/12	22/12	23/12	25/12	26/12	29/12	30/12	31/12	1/1	4/1	5/1	6/1	8/1	9/1	10/1
35	15U11A0443	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P
36	15U11A0445	P	P	A	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	A	P	A	P	P	P
37	15U11A0446	P	P	P	A	P	P	P	P	A	P	P	P	P	A	A	P	P	P	P	P	P	P	A	P
38	15U11A0449	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A	P	A	P	P	P	P
39	15U11A0450	A	P	P	P	P	P	P	P	P	A	P	P	P	P	A	A	P	P	P	P	A	P	P	P
40	15U11A0451	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
41	15U11A0452	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	A	P	P
42	15U11A0453	P	P	A	P	P	P	P	P	P	A	P	P	P	A	P	P	P	A	P	P	A	P	P	A
43	15U11A0455	A	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	A	P	P	P
44	15U11A0456	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	A	P	A	P	P	P	A	P	P
45	15U11A0458	P	P	P	P	P	P	P	A	A	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P
46	15U11A0459	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
47	15U11A0460	P	A	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P	A	P	P	A	P	P	P
48	15U11A0461	P	P	P	P	A	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P
49	15U11A0463	A	P	P	P	P	A	P	A	P	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P
50	15U11A0464	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P
51	15U11A0465	P	P	P	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
52	15U11A0467	P	P	P	P	A	P	P	P	P	P	P	P	P	A	A	P	P	A	P	P	P	A	P	P
53	15U11A0469	P	A	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	A	P	P	A
54	15U11A0470	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
55	15U11A0471	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P
56	15U11A0472	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	A	P
57	16U15A0401	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P
58	16U15A0402	P	P	A	P	P	A	P	A	P	P	P	A	P	P	A	P	P	P	P	P	A	P	P	P
59	16U15A0403	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A


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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING


CIRCULAR

Date: 06/12/2017

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 11/12/2017 to 10/01/2018 (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 08/12/2017. Schedule for GATE coaching classes will be issued soon.


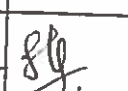


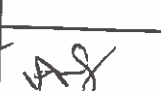


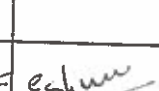
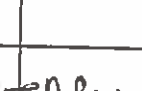
Note:- Bus Facility will be provided from our college premises to Uppal X-Road at 06:30 PM.

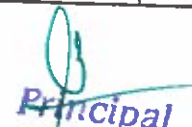

HOD-CSE


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 Bayes 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. 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.


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DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY1	Propositional and first order logic, sets, relations, combinatorics, generating fn.
DAY2	Linear Algebra, calculus, Limits, continuity and differentiability, Mean value theorem
DAY3	Probability & statistics, Random variables, Maxima & Minima, conditional Probability
DAY4	Boolean Algebra, Combinational & sequential circuits, Computer arithmetic
DAY5	Machine instructions & Addressing modes ALU, pipeline hazards.
DAY6	Memory hierarchy, cache, Main Memory, I/O interface.
DAY7	Programming in C, Recursion, Arrays, stacks, Queue, BST, binary heaps.
DAY8	Searching, sorting, hashing, space complexity.
DAY9	Graph traversals, Minum spanning trees, Shortest paths.
DAY10	Regular expression & finite automata Content free grammars.
DAY11	Regular and context free languages Pumping lemma, undecidability
DAY12	Lexical Analysis, parsing, Syntax-directed translation
DAY13	code generation, Local optimization, Data flow Analyses


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DAY 14	System calls, processes, -threads, inter-process communication
DAY 15	Deadlock. CPU and I/O Scheduling, Memory Management
DAY 16	ER-Model, Relation Model, tuple calculus, SQL. Integrity constraints
DAY 17	Organization, indexing. Transactions and concurrency control
DAY 18	Concept of layering. OSI & TCP/IP protocol stacks
DAY 19	Basic of Packet, circuit & virtual circuit-switching, Data link layer
DAY 20	Routing Protocols, Shortest path, flooding, distance vector, link state routing
DAY 21	Network address, transport layer, flow control and congestion, UDP, TCP


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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	14U11A0530	KALAVENA ADITYA
2	15U11A0501	AVUNOORI KALYAN
3	15U11A0502	BAJA SHYAM
4	15U11A0503	BATTU MAHESH
5	15U11A0506	CHUNCHU MANASA
6	15U11A0507	CIRRA SANTOSH
7	15U11A0508	ERRA NIHARIKA
8	15U11A0509	ERVA KARTHIK
9	15U11A0510	G VANDANA
10	15U11A0511	GADDAMEEDI SAIKUMAR
11	15U11A0512	GUNDEBOINA JAYACHANDRA
12	15U11A0513	GUNDU SHASHIDHAR
13	15U11A0514	INAVILLI SRINAGA SAI ANUSHA
14	15U11A0515	JAMALPUR VANDANA
15	15U11A0516	JOGU BHAVANI
16	15U11A0518	KUNCHALA SANDHYA
17	15U11A0519	MAMILLA MANIDEEP YADAV
18	15U11A0520	MUSHUGUMPULA PRABHAVATHI
19	15U11A0521	PANJALA SOWMYASREE
20	15U11A0522	POTHARAJU SAI ROHAN
21	15U11A0523	RAMAGIRI VANDANA
22	15U11A0525	SAMREEN BEGUM
23	15U11A0526	SANKEPALLY AJITH REDDY
24	15U11A0527	THAKUR VISHAL SINGH
25	15U11A0528	THATIPAMULA RUSHMA
26	15U11A0529	THUPAKULLA BHAVANI SHANKER
27	15U11A0530	YERRA SHIVA PRASAD
28	15U11A0531	YOGGU PRANAY
29	15U11A0535	ANSHU JHA
30	15U11A0536	BISHAL SHAIKH
31	15U11A0537	DUDIPALA HARIKA
32	15U11A0541	K SRIKANTH
33	15U11A0542	KALASTRI SUPRIYA
34	15U11A0544	MURUGANI SAMYUKTHA YADAV


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SNO	HNO	NAME OF THE STUDENT
35	15U11A0545	RAGHAVARAJU KIRAN KUMAR
36	15U11A0546	ROJA SETHY
37	15U11A0547	SURAKANTI SRAVANI
38	15U11A0548	VADLA SUJITH
39	15U11A0550	RUDRAGOUNI KAUSHIK GOUD
40	16U15A0502	KAMMILA PRAVEEN KISHORE
41	16U15A0503	KODAVAKANTI LALITHA PRASANNA
42	16U15A0504	MOHAMMAD RASHEED
43	16U15A0505	MUNNAP DEEPIKA
44	16U15A0507	SANDIRI SOWMYA


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ATTENDANCE SHEET

NAME OF THE PROGRAMME: GATE COACHING CLASSES

VENUE: ROOM NO-108 (FIRST FLOOR)

TIMINGS: 04:30PM TO 06:30PM

The list of III Year CSE students attended for the Academic Year: 2017-2018

SNO	HNO	11/12	12/12	13/12	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	8/1	9/1	10/1
1	14U11A0530	P	P	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	P	P	P	P
2	15U11A0501	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	P	P	P	P	P	P
3	15U11A0502	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	P	P	P	P	P	P
4	15U11A0503	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	P	P	P	P	P	P
5	15U11A0506	A	P	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	P	P	P	P
6	15U11A0507	P	P	P	A	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	15U11A0508	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	P	P	P	P	P	P
8	15U11A0509	P	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	P	P	P	P	P
9	15U11A0510	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	P	P	P	P	P	P
10	15U11A0511	A	A	P	P	A	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	15U11A0512	P	A	P	P	P	A	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
12	15U11A0513	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	P	P	P	P	P	P
13	15U11A0514	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	P	P	P	P	P	P
14	15U11A0515	P	P	P	A	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	P	P
15	15U11A0516	P	P	A	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	P	P	P
16	15U11A0518	A	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	P	P	P	P	P
17	15U11A0519	P	P	A	P	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	P	P
18	15U11A0520	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	P	P	P	P	P	P
19	15U11A0521	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	P	P	P	P	P	P
20	15U11A0522	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	P	P	P	P	P	P
21	15U11A0523	P	P	P	A	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	P	P
22	15U11A0525	A	P	P	P	A	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	P
23	15U11A0526	P	A	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	P	P	P	P
24	15U11A0527	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	P
25	15U11A0528	P	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	P	P	P	P	P
26	15U11A0529	P	P	P	P	A	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	P
27	15U11A0530	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	P	P	P	P	P	P
28	15U11A0531	P	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	P	P	P	P	P
29	15U11A0535	A	P	P	P	A	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	P
30	15U11A0536	P	P	A	P	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	P	P
31	15U11A0537	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	P	P	P	P	P	P
32	15U11A0541	P	A	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	P	P	P	P
33	15U11A0542	P	P	P	A	P	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	15U11A0544	A	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


Principal

NO	HNO	1/12	2/12	3/12	4/12	5/12	6/12	8/12	20/12	21/12	22/12	23/12	24/12	28/12	29/12	30/12	02/01	3/01	5/01	8/01	9/01	10/01				
35	15U11A0545	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P				
36	15U11A0546	P	P	A	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P				
37	15U11A0547	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P				
38	15U11A0548	P	A	P	P	A	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P				
39	15U11A0550	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
40	16U15A0502	A	P	P	P	P	A	A	P	P	P	A	P	P	A	A	A	P	P	P	P	P				
41	16U15A0503	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P				
42	16U15A0504	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P				
43	16U15A0505	A	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	A	P	A	P				
44	16U15A0507	P	P	P	A	P	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P	P				


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

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

REPORT

DATE: 17/01/2018

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 11/12/2017 to 10/01/2018

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	Thirupathi Battu
2	Digital Logic	Sandeep Kumar Vasa
3	Computer Organization and Architecture	G. Radha Devi
4	Programming and Data Structures	Syed Azhad
5	Algorithms	K. Ramasubramanian
6	Theory of Computation	P. Divya
7	Compiler Design -	P. Divya
8	Operating System	G. Yedukondalu
9	Databases	M. Raghavendra Rao
10	Computer Networks	P. Satyanarayana

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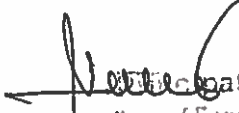
Kondapur(V), Ghatkesar(M), Medchal(Dist)

CIRCULAR

Date: 18/07/2018









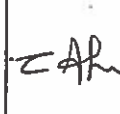
All the students of III B.Tech Year (All branches) are informed that, competitive exam coaching would be conducted that is "CRT CLASSES" scheduled from 23/07/2018 to 30/07/2018 (10:30AM to 03:30PM). All the branches students are requested to utilize this wonderful opportunity to crack the competitive exam like GATE, PG-ECET etc... Enroll your names at the office of TPO on or before 21/12/2018. Schedule for CRT coaching classes will be issued soon.


Head Training & Placement


Samskruti College of Engg. & Technology
Kondapur (V), Ghatkesar (M), Medchal (D)
PRINCIPAL

Copy to:

1. Hon'ble-Chairman/Secretary - For information
2. Principal's Office

IQAC	CE	EEE	ME	ECE	CSE	H & S	MBA	AO
								


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SYLLABUS FOR CRT CLASSES

Verbal Aptitude	Communication Skills & Interpersonal Skills
	Extempore (JTM)
	Basics of Grammar
	Indianism, Vocabulary & Root Puzzles
	Goal Settings
	Creative Thinking
	Students Power point Presentation
	Team Building
	Data Interpretation
	Data Sufficiency
	Races & Games of Skill
	Number, Alphabet, Figure Series
	Races & Games of Skill
	Statement & Assumptions
	IBM Exam Pattern discussion and tips
	TCS Exam Pattern discussion and tips
Soft Skills	Communications & Interpersonal Skills
	Verbal presentation skills
	Resume Building
	Time management

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Soft Skills Training Course Content:

S No	Topic Name
1	Non-Verbal Communication
2	Verbal Communication
3	Listening Skills
4	Interpersonal Skills
5	Public Speaking & Presentation Skills
6	Campus Recruitment Process
7	Speed Math & Basic Analytical Training
8	Grammar & Vocabulary Building

K. Srinivasulu
TPO

[Signature]
PRINCIPAL

[Signature]
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Kondapur(V), Ghatkesar(M), Medchal(Dist)

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	16U11A0102	BANALA SAKETH REDDY
2	16U11A0104	BETHI KAMALAKAR
3	16U11A0105	CHEEPELLY VINODKUMAR
4	16U11A0106	D RADHA KRISHNA
5	16U11A0107	DHARAVATH NAVEEN
6	16U11A0108	DUSA SRAVANKUMAR
7	16U11A0110	HARI NAVYA SRI
8	16U11A0112	KESHABOINA SAIKUMAR
9	16U11A0114	KUNDARAM BHAVANA
10	16U11A0115	MAMIDALA GIRIDHAR
11	16U11A0116	MOHAMMED AFNAN
12	16U11A0120	MUKKA GOPI KRISHNA
13	16U11A0122	NEELA KRISHNA
14	16U11A0124	S KISHTA REDDY
15	16U11A0125	SYED MUZAMEEL
16	17U15A0101	AMBALA SHASHIDHAR GOUD
17	17U15A0102	B TEJA
18	17U15A0103	BANOTH MOUNIKA
19	17U15A0104	CHILAKA NAVEEN
20	17U15A0105	GAGIREDDY SAHITH REDDY
21	17U15A0106	GARBHAM JAGADEESH BABU
22	17U15A0108	KATTA SURAJ KUMAR
23	17U15A0109	MANGA SAI KUMAR
24	17U15A0110	MATTA AKHILA
25	17U15A0111	MEDARI NIKHIL KUMAR
26	17U15A0112	MEDAVOLU MAHESHWARI
27	17U15A0113	MEER RAHAMATH ALI
28	17U15A0114	PANDALA PRIYANKA
29	17U15A0115	RANGA SUMANTH GOUD
30	17U15A0116	SHAIK RAHEMATULLAH
31	17U15A0117	TANUKU SHARAN
32	17U15A0118	THOTAKURI YASHWANTH
33	17U15A0119	VADDEPELLI GANESH
34	17U15A0120	VADIYANAM PRASHANTH



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SNO	HNO	NAME OF THE STUDENT
35	17U15A0121	VORAY PARSHURAM
36	17U15A0122	AAVULA BABU RAO
37	17U15A0123	BANOTH RAJA SHEKAR NAYAK
38	17U15A0124	BHUKYA PRAVEEN KUMAR
39	17U15A0125	CH RAHUL
40	17U15A0126	D DHAN RAJ
41	17U15A0127	DEERAVATH PRASHANTH NAYAK
42	17U15A0128	DHARAVATH SHIVA
43	17U15A0129	DHARAVATH SUNIL
44	17U15A0130	KEISHAM KISHAN SINGH
45	17U15A0131	KELAVATH PREMDAS
46	17U15A0132	KOIJAM KISHOR CHAND SINGH
47	17U15A0133	KONSAM NURJIT SINGH
48	17U15A0134	KUCHULA SAIKRISHNA
49	17U15A0135	LAISHRAM PARI MEITEI
50	17U15A0136	MALOTHU RAMESH NAIK
51	17U15A0137	MARRI HARISHKUMAR
52	17U15A0138	MARTHI MANOJ KUMAR
53	17U15A0139	MEKALA PREM SAGAR
54	17U15A0140	NUNAVATH RAJU
55	17U15A0141	POLAGONI SHIVA PRASAD
56	17U15A0142	RAPARTHI NAVEEN
57	17U15A0143	THOTAKURA SHIVA PRASAD
58	17U15A0144	NANDAM RAMESH BABU
59	16U11A0201	ADLA MANOJ
60	16U11A0202	ADUNURI KRANTHIKUMAR
61	16U11A0203	ARE GANGA
62	16U11A0207	KUNTA CHITTI
63	16U11A0208	MANDA V PHANINDRA
64	16U11A0210	PANUGANTI Koushik
65	16U11A0212	THEEGALA SHIVAGIRI
66	16U11A0213	VADREVVU SUBRAHMANYA
67	17U15A0201	BARIBADDULA RAJASHEKHAR
68	17U15A0202	DONIKELA ANUSHA
69	17U15A0203	KADIRI ARAVIND KUMAR
70	17U15A0204	KOTTHA ARUNA
71	17U15A0205	MERUGU AKSHARA
72	17U15A0206	PODISHETTY NIKHIL PRASAD
73	17U15A0207	SALUM MADHU
74	17U15A0208	VARIGANTI DEEPIKA
75	17U15A0209	VASPARI SWAPNA
76	17U15A0210	YENDRAPATI VINAY BABU

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77	17U15A0212	ARUNTHOMAS
78	17U15A0213	BIMANAPALLY SRAVANI
79	17U15A0214	BOGA USHA
80	17U15A0215	BORRA GANESH
81	17U15A0216	CHINTHALA BHARANI KUMAR
82	17U15A0217	KORE MOUNIKA
83	17U15A0218	MACHALA PARAMESH
84	17U15A0219	NANDIGAM ASHOK
85	17U15A0220	THAMMALA SAI KUMAR
86	17U15A0221	VUNNAVA SRI HARSHA
87	15U11A0302	BANOTH SHARATH
88	15U11A0323	KOLLURI SRIKANTH
89	16U11A0301	ADWALA ARUN KUMAR
90	16U11A0302	BODDU MANISH
91	16U11A0303	CHERIPALLI NAVEEN
92	16U11A0304	DADDANALA HARIKRISHNA
93	16U11A0306	GIVAJE VINEETH
94	16U11A0307	GOLLAPALLI ARAVINDGOUD
95	16U11A0308	GORLA BHARATH
96	16U11A0309	KALE ROHITH
97	16U11A0310	KISHAN RAMAKRISHNA HEGDE
98	16U11A0311	KOTLA CHARAN
99	16U11A0314	KYATHAM DILEEP
100	16U11A0315	MANKU PRASHANTH
101	16U11A0316	MATCHA VIDYANAND
102	16U11A0317	NANDYALA VAMSHI KRISHNA
103	16U11A0318	PALLERLA SAKETH
104	16U11A0319	PEDDI RAJ KUMAR
105	16U11A0320	ROFIQUL ISLAM
106	16U11A0321	SIVARATHRI YELLENDER
107	16U11A0322	SREEMANTHULA NAGASHIVA
108	16U11A0323	THALARI SHIVA GOPI
109	17U15A0301	BEDIDA KIRAN KUMAR
110	17U15A0302	CHINTALA NIKHIL
111	17U15A0303	CHITYALA SATHISH KUMAR
112	17U15A0304	DOMMATA DAYAKAR
113	17U15A0305	DONAKANTI VAMSHI KRISHNA
114	17U15A0306	DUMPALA GANESH
115	17U15A0307	ELKAPELLY PRANAY
116	17U15A0308	G SANDEEP
117	17U15A0309	JANAGAM SHIVA KUMAR
118	17U15A0310	MANGLARAM SHASHANK
119	17U15A0311	NAYANI SHIVASAIKRISHNA

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120	17U15A0312	P SAI KUMAR
121	17U15A0313	RACHAKONDA HARIPRASAD
123	17U15A0314	RANGALA BHAVANI
124	17U15A0315	SANGAM SAIKUMAR
125	17U15A0316	SILUMULA RAMANA MURTHY
126	17U15A0317	TEEGALA SAIKIRAN
127	17U15A0318	UTLA SHIVA SHANKAR
128	17U15A0319	VASURI AJAYKUMAR
129	17U15A0320	VOGGU SRIKANTH
130	17U15A0321	VUPPALA VINAY KUMAR
131	17U15A0322	BANOTHU SURESH
132	17U15A0325	ARIGE SRINIVAS
133	17U15A0326	B BHASKAR
134	17U15A0327	BANOTHU VEERANNA
135	17U15A0328	BURRA VINAY
136	17U15A0329	CHOLLETI SHASHIDHAR
137	17U15A0330	KAMATAM BHANU PRASAD
138	17U15A0331	KOTHA SAI VARDHAN REDDY
139	17U15A0332	MALAVATH RAJESH NAIK
140	17U15A0333	MARAVATH RAMARAJU
141	17U15A0334	MOORTHI VASANTH REDDY
142	17U15A0335	SUVVARI VASU
143	16M51A0415	K SAI ESWAR RAO
144	16U11A0401	ADURI SHRAVYA
146	16U11A0403	ALDANDI SUPRIYA
147	16U11A0404	ARUNACHALLAM SHIVANI
148	16U11A0405	ASHISH SHIVALINGKAR
149	16U11A0406	BANDA SAINATH REDDY
150	16U11A0407	BANDARU TEJASRI
151	16U11A0408	BAREDDY SRIJA
152	16U11A0410	BHIMARI SAIKUMAR
153	16U11A0411	BIDEKANNE SANGAMESHWAR
154	16U11A0412	BOMPALLY RAHUL
155	16U11A0413	BONDILI HEMANTH
156	16U11A0414	BONGURALA BANU PRASAD
157	16U11A0415	BUDDA REDDY VARSHITH REDDY
158	16U11A0416	CH SUDHEER KUMAR
159	16U11A0417	CHINDULURU GANESH
160	16U11A0418	D DIVYA
161	16U11A0419	DANDABOINA SRINIVAS
162	16U11A0420	DASARI AKSHAY KUMAR
163	16U11A0421	DILPREET KAUR CHUGH
164	16U11A0422	DIVVELA ABHINAV

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165	16U11A0423	DUMPALA MANWITHA REDDY
166	16U11A0425	GADDAM NIKHILA
167	16U11A0426	GODUGU SUKANYA
168	16U11A0427	GOPITI HEMASRI
169	16U11A0428	GOPITI RAVI TEJA
170	16U11A0430	JEEDIMALLA RAKESH REDDY
171	16U11A0431	KALUSANI SRIDHAR REDDY
172	16U11A0433	KANATHALA SHARATH KUMAR
173	16U11A0434	KATKAM SARITHA
174	16U11A0435	KAVATI GANESH
175	16U11A0436	KETHAVATH DHEERAJ NAYAK
176	16U11A0437	KORENDA CHINTHARLA
177	16U11A0438	LAXMAPURAM DEEPTHIPRIYA
178	16U11A0439	MAASULA MOUNIKA
179	16U11A0440	MANKALA SUCHARITHA
180	16U11A0441	MOLUGURI ROHITH
181	16U11A0442	MUTTINENI NIKHITHA
182	16U11A0444	PARNE SHIVANI
183	16U11A0445	PASHAM MAMTHA REDDY
184	16U11A0446	PASHAM MANOJ KUMAR
185	16U11A0447	PONNAM NAVEENKUMAR
186	16U11A0448	PULGAM ARCHANA
187	16U11A0453	RAYALA DEEPIKA
188	16U11A0454	RAYALA PRAVALIKA
189	16U11A0455	REGATTE ASHWINI
190	16U11A0456	SADANANAD ROHANKUMAR
191	16U11A0457	SANDHUGARI VYSHNAVI
192	16U11A0458	SOMA SAI VIVEK
193	16U11A0459	SOUMYA SRI NADIPELA
194	16U11A0460	SURA AISHWARYA
195	16U11A0461	TUDI SRILATHA
196	16U11A0462	V SOWMYA
197	16U11A0463	VANAPAMULA NEELIMA
198	16U11A0464	VANGAPALLI SHIRISHA
199	16U11A0465	VARDAMANUKOTA YASHASWINI
200	16U11A0466	VINJAM NAGA LAKSHMI
201	16U11A0467	Y BHARGAVI
202	16U11A0468	Y VIJAYA SHANMUKH REVANTH
203	16U11A0469	YARLAGADDA SRAVAN
204	16U11A0470	YENNI ANUSHA
205	16U11A0471	YENUGANDULA PAVAN KUMAR
206	16U11A0472	YESIREDDY SANDEEP VARMA
207	17U15A0402	AMBOTH BHARATH

Principal

Samskruti College of Engg. & Technology
Kondapur (V), Ghatkesar (M), Medchal Dist.



SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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

208	17U15A0403	GIDUTHURI DIVYA
209	17U15A0404	GOTTAMUKKULA PRASANNA
210	17U15A0405	KAMSANI SWETHA
211	17U15A0406	MADIPADIGE ARUN
212	17U15A0407	NEEREDI KAVITHA
213	17U15A0408	SAMALA GOURI SHANKER
214	17U15A0409	SANA BEGUM
215	17U15A0410	SUNIL KUMAR RATHOD
216	17U15A0411	THABASUM
217	17U15A0412	ADUGANI CHANDANA
218	17U15A0413	K RAVIKANT
219	17U15A0414	K SADGUNA
220	17U15A0415	NARALA MOUNIKA
221	17U15A0416	REDDY TEJA SAI KRISHNA
223	16U11D5801	MALOTHU RAJKUMAR
224	16U11D5802	B AVINASH
225	16U11D5803	BARLA DIVYA
226	16U11D5804	BASANTHAPUR RUTHU
227	16U11D5805	CHARLES SHERLY SUPRIYA
228	16U11D5806	DATLA SHIVA KUMAR VARMA
229	16U11D5807	DESHPANDE CHANDRIKA
230	16U11D5808	DIDDI MOUNIKA
231	16U11D5809	JALAGAM PRIYANKA
232	16U11D5810	KUTHURU SAHITHI
233	16U11D5811	NALLAMASU MADHU KUMAR
234	16U11D5812	NAVITHA BANDA
235	16U11D5813	S UMADEVI
236	16U11D5814	ABHINAV MOSALI
237	16U11D5815	C KEERTHI CHANDRA
238	16U11D5816	CHANDRASEKHAR YENUGUPALLI
239	16U11D5817	CHINTALA SANDEEP
240	16U11D5818	SAINATH REDDY PATEL
241	16U11D5819	SRINIVAS MARIPALA
242	16U11D5820	VISHAL SHANKARRAO UKEY
243	16U11D5821	KUNDHARAJU KIRANMAYEE
244	15QN1A0515	MD FASI AHMED
245	166Z1A0502	ALLADI SAI MANOJ
246	166Z1A0504	BAKKASHETTI AKSHITHASAI
247	166Z1A0509	CHELLIMELA SAI GANESH GOUD
248	166Z1A0512	MADASU ROHITHA
249	166Z1A0513	MANCHIKANTI SANDEEP
250	166Z1A0515	NALATI RAVALI
251	166Z1A0516	NAMBURI VENKATA NAVEEN

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252	166Z1A0518	PULIGINDLA SAI LAKSHMITULASI
253	166Z1A0519	RANGA SRAVANI
254	166Z1A0521	S VIVEK REDDY
255	166Z1A0522	VANARASHI RAMYA
256	166Z1A0524	YASH BANG
257	16U11A0501	ALLENI AKHIL
258	16U11A0502	ANDRAPU NIKHITHA
259	16U11A0503	BURRA PADMINI
260	16U11A0504	CHALLA NIKHILA SRAVANI
261	16U11A0506	CHEENAPALLI RACHANA
262	16U11A0507	CHITHARLA SHIVA
263	16U11A0510	DAGGULA INDRASENA REDDY
264	16U11A0512	DONGISHARAPU BHAVYA LAXMI
265	16U11A0513	E PRANAV VARMA
266	16U11A0517	GONAPA AVINASH
267	16U11A0519	K HARI KARTHIK
268	16U11A0520	KANAPARTHI HARI PRIYA
269	16U11A0521	KARINGULA SANDEEP REDDY
270	16U11A0522	KILARU RAJITHA CHOWDARY
271	16U11A0523	KODAKANDLA RAJA
272	16U11A0524	KOMMURI SHIREESHA REDDY
273	16U11A0526	KOTHA KONDA KIRAN KUMAR
274	16U11A0527	LINGAMPALLY KAVYA
275	16U11A0529	MANNE SAINATH
276	16U11A0530	MATLA STEVE SUJAY
277	16U11A0531	MUTHANGARI ARCHANA
278	16U11A0532	N.A ANEESH
279	16U11A0533	NALLA NAGALAXMI
280	16U11A0534	NALLA SPANDANA
281	16U11A0535	NEHA THAKUR
282	16U11A0536	P SHIVANI
283	16U11A0539	POLICEPATEL OMKAR
284	16U11A0540	PONNABOINA DIKSHITHA YADAV
285	16U11A0541	POOJA AGARWAL
286	16U11A0544	THALANKI SREEHARSHINI
287	16U11A0545	THIMMAPURAM PRANAY KUMAR
288	17U15A0501	CHITTIPOLU SAMYUKTHA
289	17U15A0502	D SHIVARAMAKRISHNA
290	17U15A0503	JUPALLY SOUMYA
291	17U15A0504	RAYABANDI AKHILA
292	17U15A0505	TANNIRU SRI KRISHNA
293	17U15A0506	THATI MADHU BABU
294	17U15A0507	JEEJULA RAMYA

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295	17U15A0508	PEDDI RAMYA
296	15QN1A0515	MD FASI AHMED

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Training & Placements Department

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Problem On Trains, Boats & streams Time speed & Distance.
DAY 2	Permutation & Combinations, probability Directions, Blood Relations, seating arrangement
DAY 3	Data Interpretation, Races & Games of Skills, statement & assumptions.
DAY 4	IBM exam pattern discussion and tips, Tcs exam pattern discussion and tips.
DAY 5	Soft skills - Communication and interpersonal skills.
DAY 6	Verbal presentation skills
DAY 7	Resume building + Time management
DAY 8	Verbal communications
DAY 9	listening skills
DAY 10	Grammar building
DAY 11	vocabulary Building

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HPO

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Principal

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NAME OF THE PROGRAMME: CRT

TIMINGS: 04:30PM TO 06:30PM

The list of III B.Tech students attended for the Academic Year: 2018-2019

SNO	HNO	23/3	24/3	25/3	26/3	27/3	28/3													
1	16U11A0102	P	P	P	A	P	P													
2	16U11A0104	P	P	P	P	P	P													
3	16U11A0105	P	P	P	P	A	P													
4	16U11A0106	P	P	P	P	P	A													
5	16U11A0107	P	P	P	P	P	P													
6	16U11A0108	P	P	P	P	P	P													
7	16U11A0110	P	P	P	P	A	P													
8	16U11A0112	P	P	P	P	P	P													
9	16U11A0114	P	A	A	P	P	P													
10	16U11A0115	P	P	P	P	P	P													
11	16U11A0116	P	P	P	P	P	P													
12	16U11A0120	A	P	P	P	P	A													
13	16U11A0122	P	P	P	P	A	P													
14	16U11A0124	P	P	P	P	P	P													
15	16U11A0125	P	P	P	P	P	P													
16	17U15A0101	P	P	P	P	P	P													
17	17U15A0102	P	P	P	P	P	P													
18	17U15A0103	P	P	P	P	P	P													
19	17U15A0104	P	A	P	P	P	P													
20	17U15A0105	A	P	P	P	P	P													
21	17U15A0106	P	P	P	P	P	A													
22	17U15A0108	P	P	P	P	A	P													
23	17U15A0109	P	P	P	P	P	P													
24	17U15A0110	P	P	P	A	P	P													
25	17U15A0111	P	P	P	P	P	P													
26	17U15A0112	A	P	P	P	P	P													
27	17U15A0113	P	P	P	P	P	P													
28	17U15A0114	P	P	P	P	P	P													
29	17U15A0115	P	P	P	P	A	A													
30	17U15A0116	P	P	P	P	P	P													
31	17U15A0117	P	P	P	P	A	P													
32	17U15A0118	P	P	P	P	P	P													
33	17U15A0119	A	P	P	P	P	P													
34	17U15A0120	P	A	P	P	P	P													


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SNO	HNO	25/6/17	24/6/17	23/6/17	22/6/17	21/6/17	20/6/17																																
35	17U15A0121	P	P	P	P	P	A																																
36	17U15A0122	P	P	P	P	P	P																																
37	17U15A0123	P	P	P	P	P	P																																
38	17U15A0124	P	P	P	P	A	P																																
39	17U15A0125	P	P	P	P	P	P																																
40	17U15A0126	P	P	P	P	P	A																																
41	17U15A0127	P	P	P	P	P	P																																
42	17U15A0128	P	P	P	P	P	P																																
43	17U15A0129	P	P	P	P	P	P																																
44	17U15A0130	P	P	P	P	A	P																																
45	17U15A0131	P	P	A	P	P	P																																
46	17U15A0132	P	P	P	P	P	P																																
47	17U15A0133	A	P	P	P	P	P																																
48	17U15A0134	P	P	P	P	P	P																																
49	17U15A0135	P	P	P	P	A	P																																
50	17U15A0136	P	A	P	P	P	P																																
51	17U15A0137	P	P	P	P	P	A																																
52	17U15A0138	A	P	P	P	P	P																																
53	17U15A0139	P	P	P	P	P	P																																
54	17U15A0140	P	P	P	A	P	P																																
55	17U15A0141	P	P	P	P	P	P																																
56	17U15A0142	P	P	P	P	A	P																																
57	17U15A0143	P	P	P	P	A	P																																
58	17U15A0144	P	P	P	P	P	A																																
59	16U11A0201	P	P	P	P	P	P																																
60	16U11A0202	P	P	P	P	P	A																																
61	16U11A0203	A	P	P	P	P	P																																
62	16U11A0207	P	P	P	P	P	P																																
63	16U11A0208	P	P	P	P	P	P																																
64	16U11A0210	P	P	P	P	P	P																																
65	16U11A0212	P	P	P	P	A	P																																
66	16U11A0213	P	P	P	P	P	P																																
67	17U15A0201	P	P	A	P	P	P																																
68	17U15A0202	P	P	P	P	P	P																																
69	17U15A0203	A	P	P	P	A	P																																
70	17U15A0204	P	P	P	P	P	A																																
71	17U15A0205	P	P	P	P	P	P																																
72	17U15A0206	P	P	P	P	P	P																																

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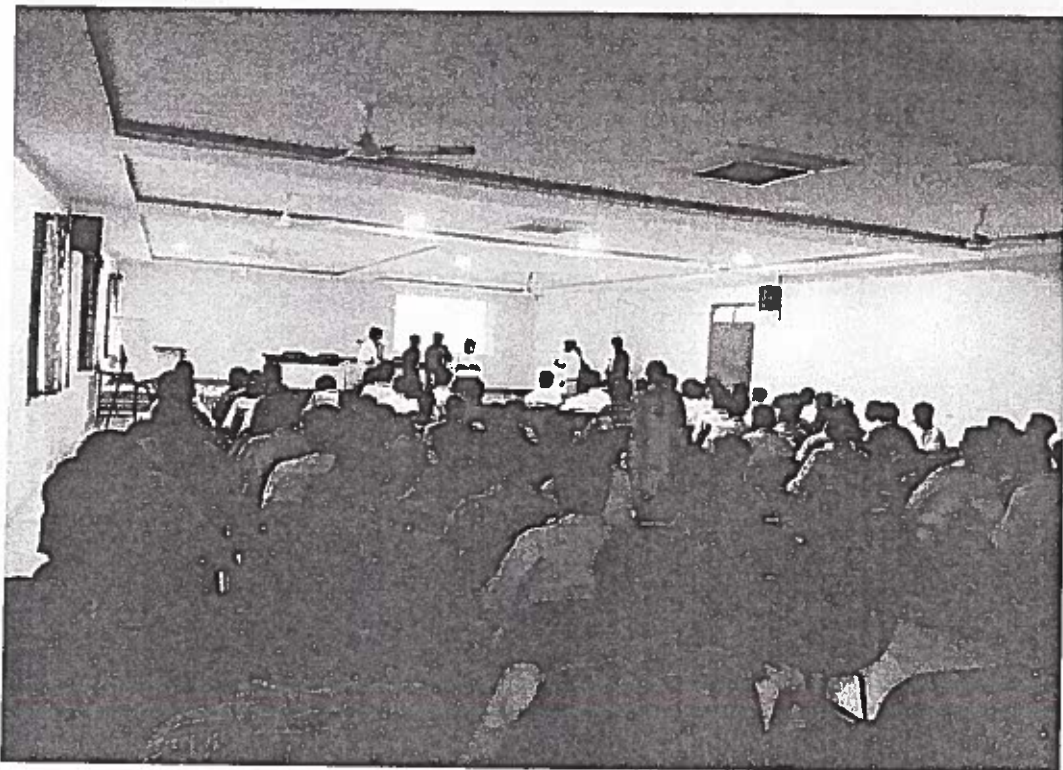
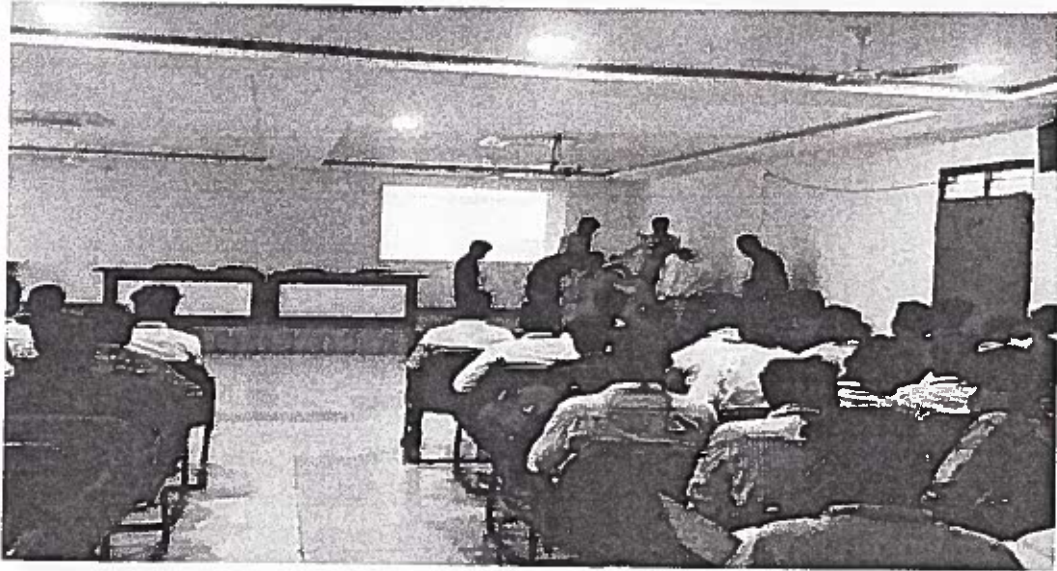
114	17U15A0306	P	P	P	P	P	A													
115	17U15A0307	P	P	P	P	P	P													
116	17U15A0308	P	P	P	A	P	P													
117	17U15A0309	P	A	P	P	A	P													
118	17U15A0310	P	P	P	P	P	P													
119	17U15A0311	P	P	P	P	P	A													
120	17U15A0312	P	P	P	P	P	P													
121	17U15A0313	P	P	P	P	P	P													
123	17U15A0314	P	P	P	P	P	P													
124	17U15A0315	P	P	P	P	P	P													
125	17U15A0316	A	P	P	P	P	P													
126	17U15A0317	P	P	P	A	P	P													
127	17U15A0318	P	P	P	P	A	P													
128	17U15A0319	P	P	P	P	P	A													
129	17U15A0320	P	P	P	P	P	P													
130	17U15A0321	P	P	P	P	P	P													
131	17U15A0322	P	P	P	P	P	P													
132	17U15A0325	A	P	P	P	A	P													
133	17U15A0326	P	P	P	P	P	A													
134	17U15A0327	P	P	P	A	P	P													
135	17U15A0328	P	P	P	P	P	P													
136	17U15A0329	P	P	P	P	P	P													
137	17U15A0330	P	P	P	P	P	P													
138	17U15A0331	P	A	P	P	P	P													
139	17U15A0332	P	P	A	P	P	P													
140	17U15A0333	P	P	P	P	A	P													
141	17U15A0334	P	P	P	P	P	A													
142	17U15A0335	P	P	P	P	P	P													
142	16M51A0415	P	P	P	A	P	P													
144	16U11A0401	P	P	P	P	P	P													
146	16U11A0403	P	P	P	P	P	P													
147	16U11A0404	A	P	P	P	P	P													
148	16U11A0405	P	P	A	P	P	P													
149	16U11A0406	P	P	A	P	P	P													
150	16U11A0407	P	P	P	P	P	P													
151	16U11A0408	A	P	P	P	A	P													
152	16U11A0410	A	P	P	P	P	P													
153	16U11A0411	P	P	P	P	P	A													
154	16U11A0412	P	P	P	P	P	P													
155	16U11A0413	A	P	P	P	P	P													
156	16U11A0414	P	P	P	A	P	P													



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REPORT

DATE: 03/08/2018

NAME OF THE PROGRAMME: CRT

DATE: 23/07/2018 to 30/07/2018

TIMINGS: - 10:30AM to 03:30PM

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

Process:As per the direction given by the management, the Training & Placements Department has conducted CRT Classes from 23/07/2018 to 30/07/2018 at 10:30AM to 03:30PM.

Students are taught different subjects like:

- 1) Soft Skills
- 2) Social Skills Training Course Content:
- 3) Reasoning and Quantitative Aptitude.

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 by in the exam. The students have expressed that the coaching was very helpful. The list III B.Tech Civil students who participate in GATE, PGECET and other also enclosed.

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DEPARTMENT OF CIVIL ENGINEERING

CIRCULAR

Date: 03/12/2019

All the students of B.Tech III year are informed that the Department of Civil Engineering is conducting "GATE COACHING CLASSES" scheduled from 09/12/2019 to 11/01/2020 (04:30PM to 06:30PM). All the students are request to utilize this wonderful opportunity to crack the competitive exam like GATE .Enroll your names at office of HOD-CE on or before 07/12/2019.Schedule for GATE coaching classes will be issued soon.

Note:- Bus route no 07 will ply at 06:30PM from our college premises up to uppal X Road.

C.S.C. Devadany
HOD-CE

Copy to:

1. Hon'ble-Chairman/Secretary - For information
2. Principal's Office

IQAC	CE	EEE	ME	ECE	CSE	H & S	MBA	AO
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

[Signature]
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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.

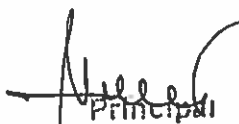
Municipal Solid Wastes: Characteristics, generation, collection and transportation of solid wastes, engineered systems for solid waste management (reuse/ recycle, energy recovery, treatment and disposal).


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.

C. S. C. Devadhar
HOD


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DEPARTMENT OF CIVIL ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	<u>Engineering Mathematics :-</u> Evaluation of definite and indefinite integrals.
DAY 2	Vector identities. Directional derivatives.
DAY 3	Euler - Cauchy equations 1 st and 2 nd order one-dimensional wave equation.
DAY 4	<u>Structural Engineering :-</u> Free vibrations of uncramped SDOF system.
DAY 5	Bending moment and shear force in statically determinate beams, Simple bending theory.
DAY 6	Flexural and shear stresses. Uniform tension.
DAY 7	Geotechnical Engineering - Soil Mechanics
DAY 8	Foundation Engineering.
DAY 9	Water Resources Engineering - Hydrology
DAY 10	Fluid Mechanics
DAY 11	Hydraulics
DAY 12	Irrigation

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DAY 13	Geotechnical Engineering - Soil Mechanics
DAY 14	Foundation Engineering.
DAY 15	Water Resources Engineering - Hydrology
DAY 16	Fluid Mechanics
DAY 17	Hydraulics
DAY 18	Irrigation
DAY 19	Transportation Engineering - Highway pavements
DAY 20	Transportation Infrastructure
DAY 21	Traffic Engineering.
DAY 22	Environmental Engineering:- air pollution control Drinking water treatment
DAY 23	Transportation of Solid wastes
DAY 24	Geomatics Engineering:- Leveling and trigonometric leveling.
DAY 25	Total station.
DAY 26	Basic of remote sensing and GIS.


TRAINING COORDINATOR


C.S.C. Devaraj
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DEPARTMENT OF CIVIL ENGINEERING LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	17U11A0103	BEESU PRASHANTH
2	17U11A0105	BODA NAVEEN
3	17U11A0106	CHEMMALA KALYANTEJA
4	17U11A0107	DACHA SRINIVAS
5	17U11A0108	DADIGE AKHIL
6	17U11A0109	DASARI PRASHANTH
7	17U11A0110	GANDHASIRI MADHU
8	17U11A0111	GANGAVARAPU RAVITEJA
9	17U11A0112	GIRI SAIKUMAR
10	17U11A0113	GUJJULA SANGEETHA
11	17U11A0114	GUNDALA MANISHA REDDY
12	17U11A0116	KATIPALLY RAJESH
13	17U11A0117	KOMMA RANJITH KUMAR
14	17U11A0118	KOTA ANIL
15	17U11A0122	MODALA HEMANTH
16	17U11A0124	PEBBATI BHAGATH
17	17U11A0126	RANGA SHIVA KUMAR
18	17U11A0127	SHAIK USMAN
19	17U11A0128	SHIVARATHRI NAVEEN
20	17U11A0129	SHIVARATHRI RAMU
21	17U11A0131	BANDI YESUDAS
22	17U11A0132	BANOTHU PAVAN KALYAN
23	17U11A0134	DOMMATI VAMSHI KRISHNA
24	17U11A0135	JAKKULA PRASHANTH
25	17U11A0136	KOTHAKAPU PRADEEP REDDY
26	18U15A0101	A SUMA
27	18U15A0102	DHARAVATH GANESH
28	18U15A0103	DONTHAMALLA BALAJI
29	18U15A0104	ERKACHARLA GOWTHAM
30	18U15A0105	GUDISE HRUTHIK
31	18U15A0106	GUGULOTH PREM KUMAR
32	18U15A0107	JAKKULA VINITHA
33	18U15A0108	JILLOJU VAMSHI KRISHNA
34	18U15A0109	KATTEKOLA PRADEEP

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SNO	HNO	NAME OF THE STUDENT
35	18U15A0110	KOLIPAKA BHARATH
36	18U15A0111	LAMBA NAGARAJU
37	18U15A0112	MAHESHWARAM
38	18U15A0113	MANIKARAO SAI KUMAR
39	18U15A0114	MARTHA SHIRISHA
40	18U15A0115	NAGATI SREEKANTH
41	18U15A0116	PALVAI SANTHOSH
42	18U15A0117	POTTA SANDHYA
43	18U15A0119	SRIPAD SHRUTHI
44	18U15A0120	SURA MAHESH
45	18U15A0121	THATIKONDA ANJALI
46	18U15A0122	VANKDOTH SATEESH KUMAR
47	18U15A0123	VELLANKI HARI CHANDANA
48	18U15A0124	VILASAGARAM SHRAVAN KUMAR
49	18U15A0125	BALAGONI SAI KIRAN GOUD
50	18U15A0126	BUJUNURU RAKESH REDDY
51	18U15A0127	CHANDANA MAHESH
52	18U15A0128	CHIPPALAPALLI BHARGAV
53	18U15A0129	HEMADRI SHASHANK
54	18U15A0130	KAMTAM HARSHA VARDHAN
55	18U15A0131	KATTA RAVI
56	18U15A0132	KONNOJU SHRAVANI
57	18U15A0133	LELELA PRUDVI KUMAR
58	18U15A0134	MALVOTH HEMANTH
59	18U15A0135	MOTHUKURI CHENNAKESHAV
60	18U15A0136	SIRIKONDA GANESH
61	18U15A0137	THEMBARENI KALKIRAM
62	18U15A0138	U ARTHIKA
63	18U15A0139	VADLA SANDYA
64	18U15A0140	VANJARAPU RAM SHANKER RAO


TRAINING COORDINATOR


C.S.C. Devadas
HOD


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REPORT

DATE: 11/01/2020

NAME OF THE PROGRAMME: GATE COACHING

DATE: 09/12/2019 to 11/01/2020

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 management, the Department of Civil Engineering has planned to conduct GATE Coaching Classes during working days from 04:30PM to 06:30PM.

The following subjects taught by the following faculty:

S.No	Name of the subject	Subject expert
1	Geo Technical Engineering	Mr.P.Imran Khan
2	Strength Of Materials	Dr.C.Selin Ravi Kumar
3	Environmental Engineering	Mr.J.Mohan
4	Water Resources Engineering	Mr.J.Rana Prathap
5	FM&HM	Mr.PMB Rajkiran
6	Surveying	Mr.P. Avinash
7	Transportation Engineering	Ms.G Swarna
8	Design Of RCC and Steel Structures	Mr.P.Bikku
9	Engineering Mathematics	Mr.Shashichandar Rao
10	Hydrology	Ms.K.Divya

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 by in the exam. The students have expressed that the coaching was very helpful. The list III B.Tech Civil students whose participate in GATE class is also enclosed.


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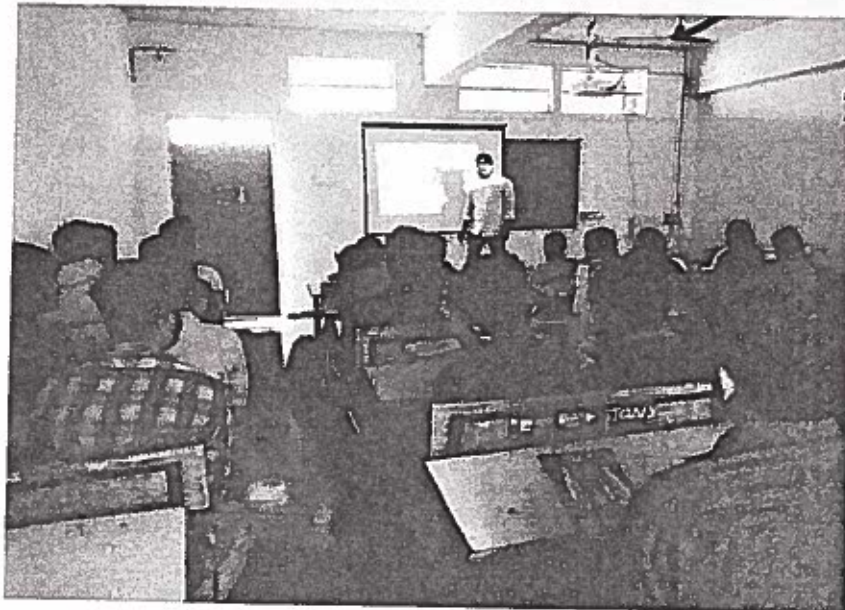

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NAME OF THE PROGRAMME: GATE COACHING

VENUE: ROOM NO-316 (THIRD FLOOR)

TIMINGS: 04:30PM TO 06:30PM

The list of III Year Civil students attended for the Academic Year: 2019-2020

SNO	HNO	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	
1	17U11A0103	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	P	P	P	
2	17U11A0105	P	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	P	P	P
3	17U11A0106	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	P	P	P	P
4	17U11A0107	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	P	P	P	P
5	17U11A0108	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	P	P	P	P
6	17U11A0109	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	P	P	P	P
7	17U11A0110	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	17U11A0111	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	P	P	P	P
9	17U11A0112	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	P	P	P	P
10	17U11A0113	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	P	P	P	P
11	17U11A0114	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	P	P	P	P
12	17U11A0116	P	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	P	P	P
13	17U11A0117	P	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	P	P	P
14	17U11A0118	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	P	P	P	P
15	17U11A0122	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	P	P	P	P
16	17U11A0124	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	P	P	P	P
17	17U11A0126	P	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	P	P	P
18	17U11A0127	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	P	P	P	P
19	17U11A0128	P	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	P	P	P
20	17U11A0129	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	P	P	P	P
21	17U11A0131	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	P	P	P	P
22	17U11A0132	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	P	P	P	P
23	17U11A0134	P	A	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	P	P
24	17U11A0135	P	P	A	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	P
25	17U11A0136	P	A	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	P	P
26	18U15A0101	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	P	P	P	P
27	18U15A0102	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	P	P	P	P
28	18U15A0103	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	P	P	P	P
29	18U15A0104	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	P	P	P	P
30	18U15A0105	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	P	P	P	P
31	18U15A0106	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	P	P	P	P
32	18U15A0107	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	P	P	P	P
33	18U15A0108	P	A	P	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	P
34	18U15A0109	A	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	P	P	P

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SNO	HNO	9/12	10/12	11/12	12/12	13/12	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	8/1	9/1	10/1	11/1			
35	18U15A0110	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A	
36	18U15A0111	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A
37	18U15A0112	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
38	18U15A0113	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	A	P	P	P	A	P	A	P	P	P	A	P	P	P	P	P	P	A
39	18U15A0114	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A
40	18U15A0115	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
41	18U15A0116	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A
42	18U15A0117	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	A
43	18U15A0119	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	A
44	18U15A0120	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A
45	18U15A0121	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	A
46	18U15A0122	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	A
47	18U15A0123	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
48	18U15A0124	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
49	18U15A0125	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
50	18U15A0126	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
51	18U15A0127	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
52	18U15A0128	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	A
53	18U15A0129	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
54	18U15A0130	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
55	18U15A0131	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
56	18U15A0132	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
57	18U15A0133	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	A
58	18U15A0134	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
59	18U15A0135	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
60	18U15A0136	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
61	18U15A0137	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
62	18U15A0138	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
63	18U15A0139	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
64	18U15A0140	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
65	18L75A0101	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
66	18L75A0102	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
67	18L75A0103	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
68	18L75A0104	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
69	18L75A0108	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
70	18L75A0111	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A	
71	18L75A0113	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Date: 03/12/2019

All the students of B. Tech III year are informed that the Department of Electrical and Electronics Engineering is conducting "GATE COACHING CLASSES" scheduled from 09/12/2019 to 11/01/2020 (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 07/12/2019. 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.


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3. Notice Board


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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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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

LIST OF REGISTERED STUDENTS

1.	17U11A0201	Alakunta Naveen
2.	17U11A0204	CH.Avinash
3.	17U11A0205	Ch Ashwini
4.	17U11A0206	KAPPALA.SAIKUMAR
5.	17U11A0208	M.satya saketh
6.	17U11A0210	Puramolla sushmitha
7.	17U11A0211	Aravind Reddy
8.	17U11A0212	Syed Faizaan Hussain
9.	17U15A0219	Nandigam ashok
10.	17U15A0220	Thammala saikumar
11.	18L75A0212	Chandhu lal
12.	18L75A0215	M vinay kumar
13.	18L75A0218	BANOTH NAVEEN
14.	18L75A0219	Shiva shankar
15.	18L75A0224	Bhattu Jaswanth
16.	18L75A0225	Ashok
17.	18L75A0226	Lavoori Saikiran
18.	18L75A0230	LAVOORI NAVEEN
19.	18U115A0240	Pothkani Shiva Kumar
20.	18U15A0201	A.Srilekha
21.	18U15A0203	Bathini saikumar
22.	18U15A0204	Nishma
23.	18U15A0205	Gaini Shiva
24.	18U15A0206	Gunti Srikanth
25.	18U15A0207	M.PEDDI RAJU
26.	18U15A0208	LEKKITA SHREE NEKKONDA
27.	18U15A0209	Nuthulakanti revani
28.	18U15A0210	P.Vamshi Krishna
29.	18U15A0212	THARMANI SAIGANESH
30.	18U15A0213	Adjarla ajay kumar
31.	18U15A0214	Vignesh
32.	18U15A0215	Anneboina Raju
33.	18U15A0216	A. Manikanta
34.	18U15A0217	BALLA VAMSHI BHARATH
35.	18U15A0218	BASWARAJU KARTHIK
36.	18U15A0219	ch.chandramouli


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37.	18U15A0220	CHITIKELA REVANTH KUMAR
38.	18U15A0222	D S KAUSHIK CHANDRA
39.	18U15A0224	Jatoth. Anusha
40.	18U15A0225	Jupally. Srikanth
41.	18U15A0227	Kadiyala Venkata Rama gopalam
42.	18U15A0228	KANNAI Nikhil
43.	18U15A0229	KASAM AKHIL
44.	18U15A0230	Lavudiya Praveen
45.	18U15A0232	M.Prabhu Kiran
46.	18U15A0233	MANPATI SAIRAM


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Engineering Mathematics
DAY 2	Linear Algebra
DAY 3	Calculus
DAY 4	Differential Equations
DAY 5	Vector Analysis
DAY 6	Electrical Circuits, KCL, KVL, Nodal & mesh Analysis
DAY 7	R, L, C, Parameters,
DAY 8	Network Theorems
DAY 9	Transient & Steady State Response's
DAY 10	Electro magnetic Fields
DAY 11	Gauss's Law, Biot-Savart's Law, Self & mutual Inductance
DAY 12	Signals & Systems, C.T & D.T Signals
DAY 13	Electrical Machines

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DAY 14	Transformers, DC Machines, Synchronous motors
DAY 15	Power systems Basics
DAY 16	Transmission, Distribution & losses lines & Cables
DAY 17	Control systems (Open & Closed loop)
DAY 18	Lead lag, lead lag compensators, PID
DAY 19	Electrical measurements, Bridges & potentiometers
DAY 20	Electronic measurements, Digital voltmeter, multimeters, oscilloscope
DAY 21	Analog & Digital electronics
DAY 22	Power electronics, MOSFET, IGBT DC to DC conversions
DAY 23	Conclusion


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35	18U15A0217	P	P	A	P	P	P	P	P	P	A	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	18U15A0218	P	P	P	A	P	P	P	P	P	P	A	P	P	A	A	A	P	P	A	P	P	P	P	P	P	P	P	P
37	18U15A0219	P	P	P	P	A	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
38	18U15A0220	A	P	A	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	18U15A0222	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	P	P	P
40	18U15A0224	P	P	P	A	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	18U15A0225	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
42	18U15A0227	P	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	P	P
43	18U15A0228	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
44	18U15A0229	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	A	A	A	A	P	P	P	P	P	P	P	P
45	18U15A0230	P	A	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	P
46	18U15A0232	A	P	P	P	A	P	P	A	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
47	18U15A0233	P	P	P	A	P	A	A	P	A	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P

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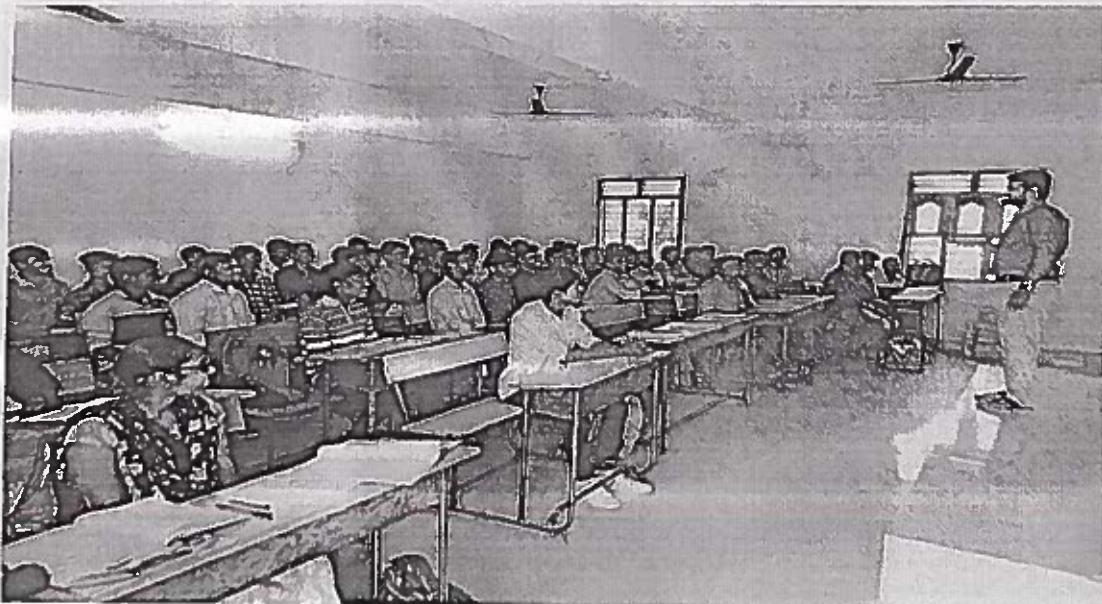
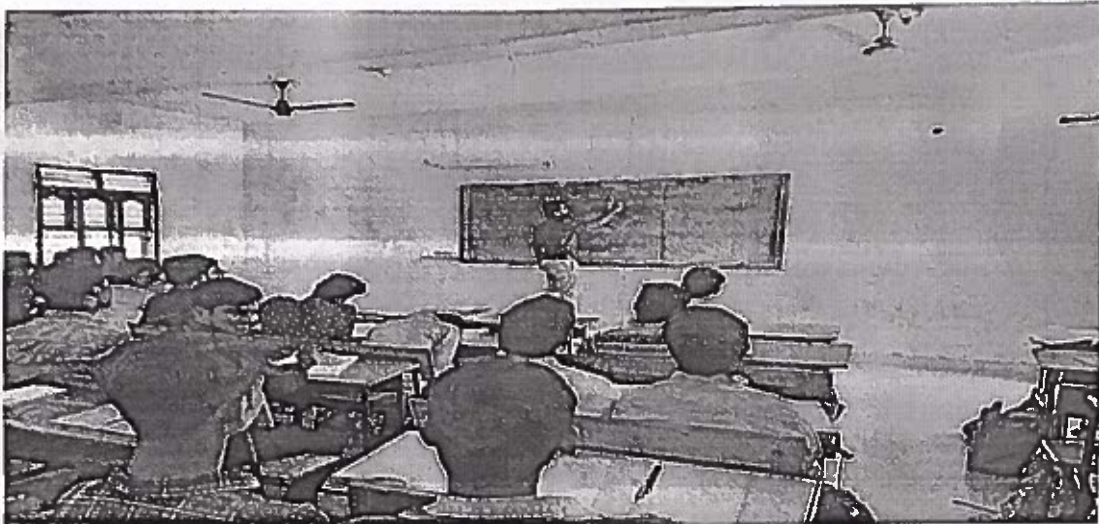
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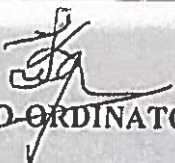



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REPORT

DATE: 11/01/2020

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 09/12/2019 to 11/01/2020

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 management, the Department of **ELECTRICAL AND ELECTRONICS ENGINEERING** has planned to conduct **GATE Coaching Classes** during working days from **04:30PM to 06:30PM**.

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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DEPARTMENT OF MECHANICAL ENGINEERING

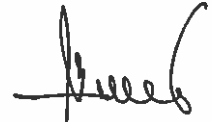
CIRCULAR

Date: 03/12/2019

All the students of B.Tech III year are informed that the Department of Mechanical Engineering is conducting "GATE COACHING CLASSES" scheduled from 09/12/2019 to 11/01/2020 (04:30PM to 06:30PM). All the students are request to utilize this wonderful opportunity to crack the competitive exam like GATE .Enroll your names at office of HOD-ME on or before 07/12/2019. Schedule for GATE coaching classes will be issued soon.


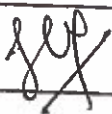


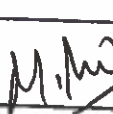
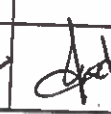
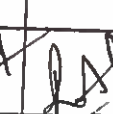
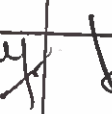

Note:- Bus Facility will be provided from our college premises to Uppal X Road at 06:30 PM.



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DEPARTMENT OF MECHANICAL ENGINEERING

SYLLABUS FOR GATE CLASSES

Section 1: Engineering Mathematics

Linear Algebra -Linear equations, Matrix algebra, eigenvalues and eigenvectors.

Differential equations - Linear and nonlinear, Euler-Cauchy equation; higher-order linear differential equations with constant coefficients, initial and boundary value problems; solutions of heat, wave and Laplace's equations; Laplace transforms.

Calculus - Evaluation of definite and improper integrals; Functions of single variable, limit, continuity and differentiability, mean value theorem, indeterminate forms; double and triple integrals; total derivative, partial derivatives, maxima and minima, Taylor series (in one and two variables), Fourier series; divergence and curl, gradient, vector identities, line, directional derivatives, surface and volume integrals, and Green's theorems and applications of Gauss, Stoke.

Probability and Statistics - Probability, conditional probability; sampling theorems; median, mean, mode and standard deviation; binomial, random variables, normal and Poisson distributions.

Numerical Methods - Integration by trapezoidal and Simpson's rules; - Numerical solutions of linear and non-linear algebraic equations; single & multi-step for differential equations.

Complex variables - Cauchy-Riemann equations; Analytic functions, Taylor and Laurent series. Cauchy's integral theorem & integral formula

Section 2: Applied Mechanics and Design

Mechanics of Materials - Elastic constants, Stress and strain, Poisson's ratio, thin cylinders, Mohr's circle for plane stress and plane strain, shear force and bending moment diagrams, deflection of beams, bending and shear stresses, torsion of circular shafts, energy methods, Euler's theory of columns, thermal stresses, testing of materials with universal testing machine, strain gauges and rosettes, testing of hardness and impact strength.

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Engineering Mechanics - Trusses and frames; Free body diagrams and equilibrium, virtual work; impulse and momentum (linear and angular), kinematics and dynamics of particles & of rigid bodies in plane motion and energy formulations, collisions.

Theory of Machines - Displacement, velocity and acceleration analysis of plane mechanisms; dynamic analysis of linkages; cams; gears and gear trains; flywheels and governors; balancing of reciprocating and rotating masses; gyroscope.

Machine Design - Design for static and dynamic loading, Failure theories, fatigue strength and the S-N diagram, gears, shafts, rolling and sliding contact bearings, springs, brakes and clutches, principles of the design of machine elements like riveted, bolted and welded joints

Vibrations - Effect of damping, Free and forced vibration of single degree of freedom systems, resonance, vibration isolation, critical speeds of shafts.

Section 3: Fluid Mechanics and Thermal Sciences

Heat-Transfer - One-dimensional heat conduction, modes of heat transfer, heat transfer through fins, resistance concept & electrical analogy, lumped parameter system, unsteady heat conduction, Heisler's charts, dimensionless parameters in free and forced convective heat transfer, thermal boundary layer, heat transfer correlations for flow over flat plates and through pipes, heat exchanger performance, effect of turbulence, LMTD & NTU methods; Stefan-Boltzmann law, radiative heat transfer, Wien's displacement law, view factors, black and grey surfaces and radiation network analysis.

Fluid Mechanics - Fluid statics, properties, manometry, buoyancy, stability of floating bodies, forces on submerged bodies, control-volume analysis of mass, fluid acceleration, momentum and energy, differential equations of continuity and momentum, dimensional analysis, Bernoulli's equation, viscous flow of incompressible fluids, elementary turbulent flow, boundary layer, flow through pipes, bends and fittings and head losses in pipes

Applications - Power Engineering, I.C. Engines, Refrigeration and air-conditioning and Turbomachinery

Thermodynamics - Properties of pure substances, thermodynamic systems and processes, the behaviour of ideal and real gases, calculation of work and heat in various processes, zeroth and first laws of thermodynamics, the second law of thermodynamics, thermodynamic relations and thermodynamic property charts and tables, availability and irreversibility


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Section 4: Materials, Manufacturing and Industrial Engineering

Casting, Forming and Joining Processes - Design of patterns, moulds and cores, Different types of castings, solidification and cooling, riser & gating design, fundamentals of hot and cold working processes, Plastic deformation and yield criteria load estimation for bulk (drawing, rolling, forging, extrusion) and sheet (deep drawing, shearing, bending), principles of powder metallurgy, metal forming processes, brazing, Principles of welding, soldering & adhesive bonding.

Engineering Materials - Phase diagrams, structure and properties of engineering materials, heat treatment, stress-strain diagrams for engineering materials.

Machining & Machine Tool Operations -Basic machine tools, Mechanics of machining, single and multi-point cutting tools, tool life and wear, tool geometry and materials, the economics of machining, principles of work holding, principles of non-traditional machining processes, design of jigs and fixtures.

Computer Integrated Manufacturing - Concepts of CAD/CAM and their integration tools.

Metrology and Inspection - Linear and angular measurements, Limits, fits and tolerances & comparators; gauge design, interferometry, alignment and testing methods, form and finish measurement, tolerance analysis in manufacturing and assembly.


Production Planning and Control - Aggregate production planning, forecasting models, materials requirement planning and scheduling.

Operations Research - Simplex method, linear programming, transportation, network flow models, assignment, simple queuing models and PERT & CPM.

Inventory Control - Safety stock inventory control systems, Deterministic models.


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DEPARTMENT OF MECHANICAL ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Linear Algebra - Linear equations, matrix algebra, eigenvalues & eigenvectors.
DAY 2	Differential Equations - linear & non-linear, Euler-cauchy equation; Laplace Equations.
DAY 3	Calculus - Probability & Statistics.
DAY 4	Numerical methods. Complex variables.
DAY 5	Mechanics of materials - Elastic constants, stress & strain, Poisson's ratio.
DAY 6	Thin cylinders, Mohr's circle for plane stress & plane strain, shear force
DAY 7	bending moment diagrams, deflection of beams, bending & shear stresses.
DAY 8	Engineering mechanics - Trusses & frames free body diagrams & Equilibrium
DAY 9	Theory of machine - Displacement, velocity & acceleration analysis of plane mechanisms.
DAY 10	Machine Design - Design for static and dynamic loading, failure theories.
DAY 11	Vibration - effect of damping, free & forced vibration of single degree of freedom.
DAY 12	Fluid mechanics - Heat transfer. 1-D heat conduction, Modes of H.T

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DAY 13	Stefan Boltzmann law, radiative heat transfer, Wien's displacement law.
DAY 14	Fluid mechanics - fluid statics properties, manometry, buoyancy.
DAY 15	Application - power engineering, I.C. engines, Refrigeration & air-conditioning.
DAY 16	Thermodynamics - properties of pure substances, thermodynamics system
DAY 17	Zeroth law of thermodynamics - I / II & III law of thermodynamics
DAY 18	Materials, Manufacturing & Industrial Engineering
DAY 19	Casting, forming and joining processes, Design of patterns, moulding & cores.
DAY 20	Engineering materials - Phase diagram, Structure & properties of Engineering material.
DAY 21	Machining & machine tools operation -
DAY 22	Computer Integrated manufacturing
DAY 23	Metrology & Inspection.
DAY 24	production, planning & control
DAY 25	operations Research.
DAY 26	Inventory control.


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DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	17U11A0301	AJMEERA DHANRAJ
2	17U11A0302	BELIDE LOKESH
3	17U11A0303	BOMMINENI PAVAN REDDY
4	17U11A0304	CHAKALI VENUGOPAL
5	17U11A0305	DARNABOINA MANISH RAJ
6	17U11A0306	GANGADEVI NAVEENKUMAR
7	17U11A0307	GANGIDI VISHNU VARDHAN
8	17U11A0308	JAKKULA SHIVA KRISHNA YADAV
9	17U11A0309	K V SAI PRAKASH
10	17U11A0310	KAKUNURI VIKRAM KUMAR
11	17U11A0311	KOMATIREDDY SHIVA PRASAD
12	17U11A0312	KORICHERLA ANURUDH RAJ
13	17U11A0313	MACHA VENU
14	17U11A0314	MAHAMMAD AAMER
15	17U11A0315	MARAPAKA VAMSHI
16	17U11A0316	MERUGU MAHIPAL REDDY
17	17U11A0317	MUTHURU V SAI PRAKASH CHARY
18	17U11A0318	POTUGANTI MEGHANA REDDY
19	17U11A0319	PULLELA MAHIPAL
20	17U11A0320	SAMA MANISH REDDY
21	17U11A0321	SUTRAVE RAJESH KUMAR
22	17U11A0322	THAKUR AASHISH
23	17U11A0323	BANALA GANESH
24	17U11A0324	GADIGI SANGAMESHWAR
25	17U11A0325	KAMEPALLY VINITH
26	17U11A0326	KAARUMANCHI MAHENDAR
27	17U11A0327	KOMMAGANI SUMANTH
28	18U15A0301	BELLAPUKONDA AKSHITH REDDY
29	18U15A0302	K MADHU
30	18U15A0303	K VARA PRASAD
31	18U15A0304	BASAVA TARUNSAI
32	18U15A0305	JORKA OM PRAKASH
33	18U15A0306	KAKI MADHU KUMAR REDDY
34	18U15A0307	KARRI SAI VINAY


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SNO	HNO	NAME OF THE STUDENT
35	18U15A0308	YAKKATI VIKAS
36	18U15A0309	K MALLESH
37	18U15A0310	RAMIDI VISHWANATH REDDY
38	18U15A0311	NANDIPATA ARAVIND
39	18U15A0312	POKURI RAMA KRISHNA
40	18U15A0313	SEETHA BHARATH KUMAR
41	18U15A0314	YASOJU NIKHIL
42	18U15A0315	ARYA SHIVA SAI PRASAD
43	18U15A0316	GUNDIMEDA SRI GANESH
44	18U15A0317	HAZARI SAI RAHUL
45	18U15A0318	KODEPAKA SANJAY KUMAR
46	18U15A0319	MD SOHAIL ABBAS
47	18U15A0320	MD.SHUYAEB KHAN



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DEPARTMENT OF MECHANICAL ENGINEERING

REPORT

DATE: 11/01/2020

NAME OF THE PROGRAMME: GATE COACHING

DATE: 09/12/2019 to 11/01/2020

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 management, the Department of Mechanical Engineering has planned to conduct GATE Coaching Classes during working days from 04:30PM to 06:30PM.

Students are taught different subjects like:

S.No	Name of the Subject	Subject Expert
1	Engineering Mechanics	Mr. Veerendra Prasad
2	Mechanics of Materials	Mr. B.Gopi Chand
3	Theory of Machines	Dr. K.Vijay Kumar
4	Machine Design	Mr. D.Naveen
5	Heat-Transfer	Mr. B.Ramesh
6	Fluid Mechanics	Mr. P.Chandra Bhushnam
7	Thermodynamics	Mr. P.Thirupathaiah
8	Engineering Materials	Mr. S.Naresh
9	Manufacturing and Industrial Engineering	Mr. B.Venkatesh
10	Computer Integrated Manufacturing	Mr.D.Gayatri
11	Production Planning and Control	Mr. J. Vishwas
12	Operations Research	Mr.S. Sateesh

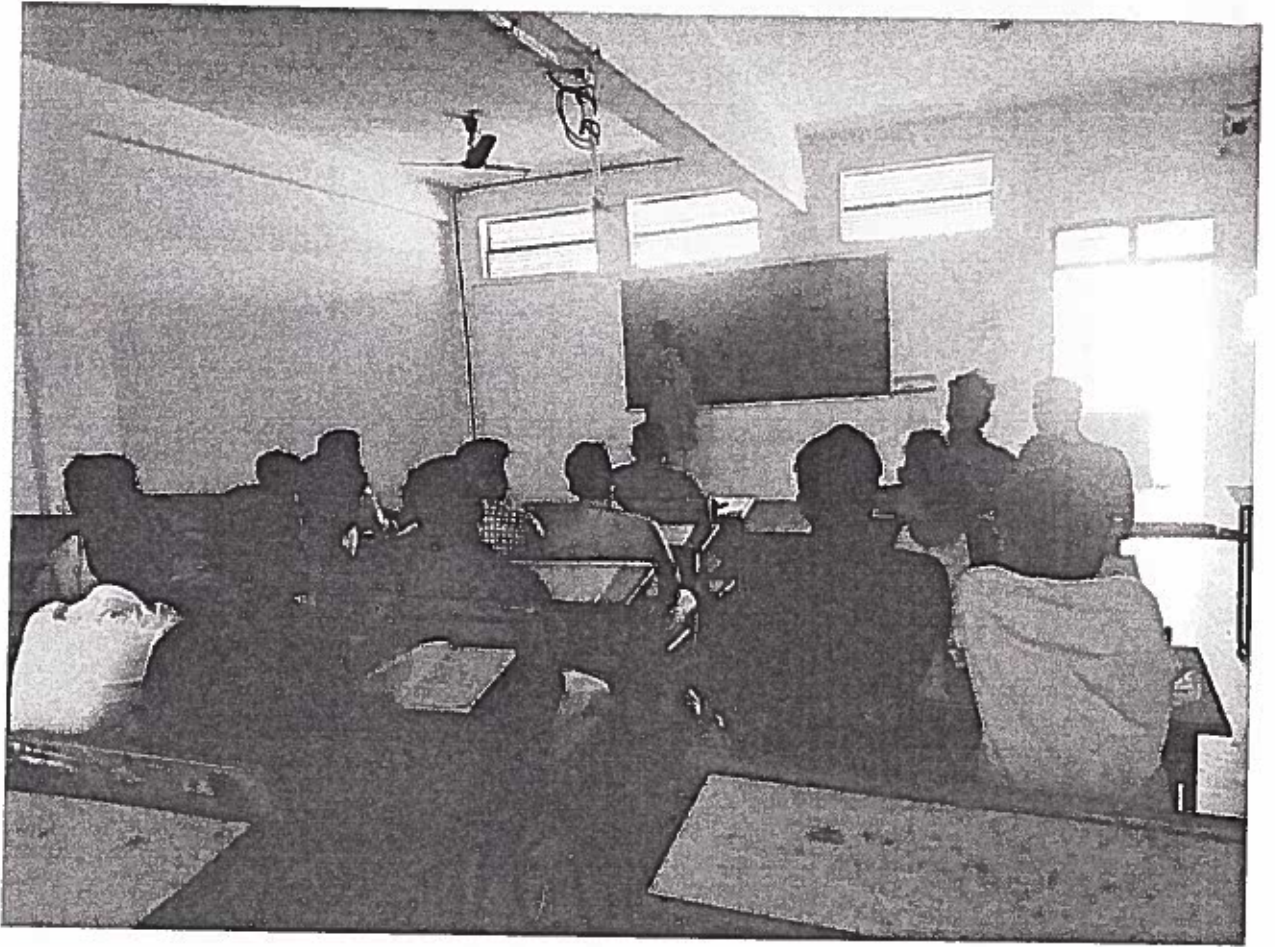
Every day as per the devised schedule the outcome of the program is mainly focused on giving fundamental knowledge in various subjects and gives relevant information to score by in the exam. The students have expressed that the coaching was very helpful. The list III and IV B.Tech ME students who participate in GATE class is also enclosed.

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ATTENDANCE SHEET

NAME OF THE PROGRAMME: GATE COACHING

VENUE: ROOM NO-306 (THIRD FLOOR)

TIMINGS: 04:30PM TO 06:30PM

The list of III Year ME students attended for the Academic Year: 2019-2020

SNO	HNO	9/12	10/12	11/12	12/12	13/12	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	8/1	9/1	10/1	11/1			
1	17U11A0301	P	A	P	P	P	A	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	P	P	P	P	P	
2	17U11A0302	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
3	17U11A0303	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
4	17U11A0304	P	A	P	P	P	P	A	P	P	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	P	P	
5	17U11A0305	A	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
6	17U11A0306	P	P	P	P	A	P	P	P	A	P	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	P	
7	17U11A0307	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
8	17U11A0308	P	P	P	A	P	P	A	P	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	P	P	P	
9	17U11A0309	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
10	17U11A0310	A	P	P	P	P	A	P	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	P	P	P	P	
11	17U11A0311	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
12	17U11A0312	P	A	P	P	P	P	P	A	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	P	P	P	
13	17U11A0313	P	P	P	A	P	P	P	P	A	P	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	P	P
14	17U11A0314	P	P	P	P	A	P	A	P	P	P	A	P	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
15	17U11A0315	A	P	P	P	P	A	P	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	P	P	P	P	P
16	17U11A0316	P	A	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	P	P	P	P	P	P	P	P	P	P
17	17U11A0317	P	P	A	P	P	P	P	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	P	P	P	P	P
18	17U11A0318	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	P	P	P	P	P	P	P	P	P	P	P	P
19	17U11A0319	P	P	P	A	P	P	A	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	P	P	P	P	P
20	17U11A0320	A	P	P	P	A	P	P	P	P	A	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	P	P
21	17U11A0321	P	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	P	P	P	P	P	P	P	P	P	P	P
22	17U11A0322	P	A	P	P	P	A	P	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	P	P	P	P	P
23	17U11A0323	P	P	A	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	P	P	P	P	P	P	P	P	P
24	17U11A0324	P	P	P	A	P	P	A	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	P	P	P	P	P
25	17U11A0325	A	P	P	P	A	P	P	P	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	P	P	P	P
26	17U11A0326	P	A	P	P	P	P	A	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	P	P	P	P	P
27	17U11A0327	P	P	A	P	P	A	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	P	P	P	P	P	P
28	18U15A0301	A	P	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	P	P	P	P	P	P	P	P	P	P
29	18U15A0302	P	P	P	A	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	P	P	P	P	P	P	P	P
30	18U15A0303	P	A	P	P	P	P	A	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	P	P	P	P	P
31	18U15A0304	P	P	P	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	P	P	P	P	P	P	P	P	P
32	18U15A0305	P	P	A	P	P	A	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	P	P	P	P	P	P

Principal

SNO	HNO	9/12	10/12	11/12	12/12	13/12	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	8/1	9/1	10/1	11/1		
35	18U15A0308	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	
36	18U15A0309	A	P	A	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
37	18U15A0310	P	P	P	A	P	P	A	P	A	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	18U15A0311	P	A	P	P	P	A	P	P	P	P	P	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
39	18U15A0312	P	P	A	P	P	P	P	A	P	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	18U15A0313	A	P	P	P	A	P	P	P	P	P	A	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
41	18U15A0314	P	A	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	18U15A0315	P	P	P	A	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43	18U15A0316	P	P	A	P	P	P	P	P	P	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	P	P
44	18U15A0317	A	P	P	P	A	P	P	A	P	P	P	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
45	18U15A0318	P	A	P	P	P	P	A	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	P	P	P	P
46	18U15A0319	P	P	P	A	P	A	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
47	18U15A0320	P	P	A	P	P	P	P	A	P	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	P	P


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CIRCULAR

Date: 03/12/2019

All the students of B. Tech III year are informed that the Department of Electronics & Communication Engineering is conducting "GATE COACHING CLASSES" scheduled from 09/12/2019 to 11/01/2020 (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 07/12/2019. 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.

M. N.
HOD-ECE

CC to

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

IQAC	CE	EEE	ME	ECE	CSE	H & S	MBA	AO
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

[Signature]
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION 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: 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.

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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. 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

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

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Solution of linear equations and Uniqueness
DAY 2	Thevenin's Theorem
DAY 3	Direct and indirect band-gap Semiconductors
DAY 4	Small Signal analysis
DAY 5	Schmitt triggers and oscillators
DAY 6	logic gates and CMOS implementations
DAY 7	Sample and hold Circuits
DAY 8	Instruction Pipelining
DAY 9	Frequency response
DAY 10	Properties of white noise
DAY 11	Spectra of AM and FM
DAY 12	inter-Symbol interference
DAY 13	boundary Conditions


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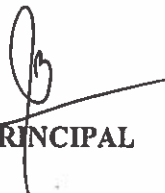
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DAY 14	Matrix algebra
DAY 15	multiple integrals
DAY 16	Wye-delta transformation
DAY 17	Norton's Theorem
DAY 18	impulse response
DAY 19	P-N junction
DAY 20	Superheterodyne receivers
DAY 21	Hamming codes
DAY 22	Linear antenna arrays
DAY 23	Poynting vector
DAY 24	Phase and Group velocity
DAY 25	Shift - registers
DAY 26	Integrators


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	16U11A0410	BHIMARI SAIKUMAR
2	16U11A0412	BOMPALLY RAHUL
3	16U11A0472	YESIREDDY SANDEEP VARMA
4	17C21A0405	GADEPAKA PRASANNA
5	17C21A0406	GANTA JANI GLADYS
6	17C21A0413	MACHANI PAVANI
7	17C21A0414	MADAVATH ROJA
8	17U11A0401	A KAMESHWARA SAI SRAVAN
9	17U11A0402	A S MEETHA REDDY
10	17U11A0403	ALAGANDULA ANIL
11	17U11A0405	ANKAMGARI SWAPNA
12	17U11A0406	ANTHIREDDY NIKHIL REDDY
13	17U11A0407	ARIGELA VENKATA SAI PAVAN
14	17U11A0409	BALUSA PRANAY
15	17U11A0410	BANDARI TARUN
16	17U11A0411	BANDARU NATRAJ
17	17U11A0413	BOYAPALLI RAVITEJA
18	17U11A0415	CHALLAKOLUSU NAVEEN
19	17U11A0416	CHANDANALA SANDHYARANI
20	17U11A0417	CHEEMAKURTHY NAVANEETH
21	17U11A0418	CHEKKA SAHITHI
22	17U11A0419	CHENCHARAPU SATWIKI
23	17U11A0420	CHEPRASI SRI SAI TEJA
24	17U11A0422	GOGULA SANTHOSHI KUMARI
25	17U11A0425	K SAI SHANKER
26	17U11A0426	KANDIMALLA DEEPTHI
27	17U11A0427	KANKADE NIKITHA
28	17U11A0428	KHUSH SRIVASTAV
29	17U11A0431	M SPANDANA
30	17U11A0432	MATTAPALLI SANDHYA
31	17U11A0433	MOGILI SWETHA
32	17U11A0435	MOTHE PRADEEPTHI
33	17U11A0436	MUKTHYALA UDAYA SRI
34	17U11A0439	PADALA SHRAVYA


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SNO	HNO	NAME OF THE STUDENT
35	17U11A0440	KOLIPAKA BHARATH
36	17U11A0441	LAMBA NAGARAJU
37	17U11A0442	POTHARAM SAIKIRAN
38	17U11A0443	POTLA RACHANA
39	17U11A0444	PULGAM SOUMYA
40	17U11A0445	PULI SAI KAMAL GOUD
41	17U11A0446	RAHUL PATNAIK
42	17U11A0447	RAMAGIRI SRAVANI
43	17U11A0449	SEEMALA SWETHA
44	17U11A0451	SRIPATHI SAIVINAY REDDY
45	17U11A0453	THATIPALLY NIHARIKA
46	17U11A0455	VALLAPU ABHINAV RAJ
47	17U11A0456	VELMALA PRATYUSHA
48	17U11A0457	VELURI PRATHYUSHA
49	17U11A0458	VORUGANTI ASHWINI
50	17U11A0459	BANDI UDAY KUMAR
51	17U11A0460	CHANDA JITHENDER
52	17U11A0461	CHINTALAPATI SAHITI
53	17U11A0463	KANAPARTHI STELLA CHARLES
54	17U11A0464	KARRI BRAHMA REDDY
55	17U11A0465	KATA LOURDU BALA SHOWRY
56	17U11A0471	MYNA ROHITH RAJ
57	17U11A0472	RAMIDI SANDEEP REDDY
58	17U11A0474	TALLA SAINATH
59	17U11A0475	TEJA SWAROOP SUBRAMANYAM
60	17U11A0476	VADDE DIWAKAR
61	17U11A0477	VEGYARAPU MANISHA
62	17U11A0481	KAMASANI LAVANYA
63	17C25A0406	VEERAMALLU BHARGAVASRI
64	17U15A0408	SAMALA GOURI SHANKER
65	17U15A0410	SUNIL KUMAR RATHOD
66	17U15A0416	REDDY TEJA SAI KRISHNA CHOUDARI
67	18U15A0401	ADIMULAM NAVYA SRI
68	18U15A0402	BADE HIMAVARSHINI
69	18U15A0403	BRAMHAROUTHU PRUDHVI
70	18U15A0404	CHINDHALURI OMKAR
71	18U15A0405	ERIGIJA SAI KUMAR
72	18U15A0406	KOUDE SHRUTHI
73	18U15A0407	RAGIRI UDAYA VANI
74	18U15A0408	THALLAPALLY NIKHILA
75	18U15A0409	ANKARLA DEEKSHITHA
76	18U15A0410	ARIGELA RAHUL

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77	18U15A0411	BOYA GNANESHWAR
78	18U15A0414	P SUSHMITHA
79	18U15A0415	REDDABOENA SARALA

As
COORDINATOR

HOD
HOD

[Signature]
PRINCIPAL

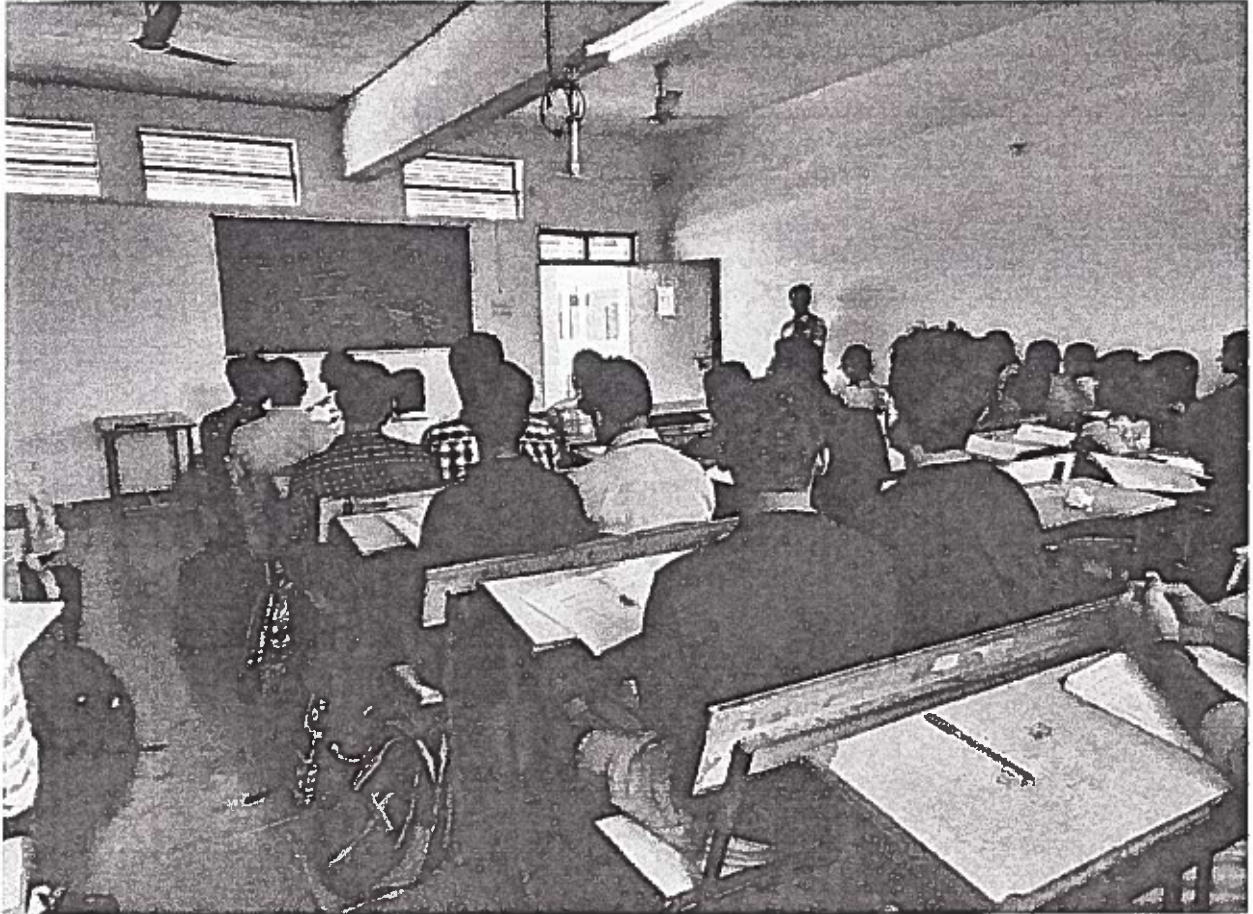
[Signature]
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REPORT

DATE: 11/01/2020

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 09/12/2019 to 11/01/2020

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 Electronics & Communication 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. Swapna
2	Analog Circuits Diode circuits:	Mr. B. Kishore babu
3	Networks, Signals and Systems	Mrs. K. Vanisree
4	Electronic Devices circuits	Mr. M. Sreenivasulu
5	Digital Circuits	Mr. V. Sandeep Kumar
6	Control Systems	Mrs. G. Indra Rani
7	Communications	Mrs. Y. Jalajakshi
8	Electromagnetics	Mr. P. Ashok Kumar
9	Reasoning and Quantitative Aptitude.	Mr. B. Suresh Babu

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 ECE students who participated in GATE classes is enclosed.


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SNO	HNO	10/12	11/12	12/12	13/12	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	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12
35	17U11A0440	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
36	17U11A0441	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
37	17U11A0442	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
38	17U11A0443	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
39	17U11A0444	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
40	17U11A0445	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
41	17U11A0446	A	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
42	17U11A0447	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
43	17U11A0449	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
44	17U11A0451	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
45	17U11A0453	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
46	17U11A0455	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
47	17U11A0456	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
48	17U11A0457	A	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
49	17U11A0458	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
50	17U11A0459	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
51	17U11A0460	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
52	17U11A0461	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
53	17U11A0463	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
54	17U11A0464	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
55	17U11A0465	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	P	P	P	P	P
56	17U11A0471	A	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
57	17U11A0472	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	P	P	P	P	P
58	17U11A0474	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
59	17U11A0475	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	P	P	P	P	P
60	17U11A0476	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
61	17U11A0477	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
62	17U11A0481	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	P	P	P	P	P
63	17C25A0406	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
64	17U15A0408	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
65	17U15A0410	A	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
66	17U15A0416	A	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
67	18U15A0401	A	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
68	18U15A0402	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
69	18U15A0403	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	P	P	P	P	P
70	18U15A0404	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
71	18U15A0405	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
72	18U15A0406	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	P	P	P	P	P
73	18U15A0407	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
74	18U15A0408	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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NAME OF THE PROGRAMME: GATE COACHING

VENUE: ROOM NO-217 (SECOND FLOOR)

TIMINGS: 04:30PM TO 06:30PM

The list of III Year ECE students attended for the Academic Year: 2019-2020

SNO	HNO	7/12	10/12	11/12	12/12	13/12	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	8/1	9/1	10/1				
1	16U11A0410	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	P	P	P	P	P	P	P	P	P			
2	16U11A0412	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	P	P	P	P	P		
3	16U11A0472	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	P	P	P	P	P	P	P	P	P	P		
4	17C21A0405	A	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	P	P	P	P		
5	17C21A0406	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	P	P	P	P	P		
6	17C21A0413	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	P	P	P	P	P	P	P	P	P	P		
7	17C21A0414	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	P	P	P	P	P		
8	17U11A0401	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	P	P	P	P	P		
9	17U11A0402	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	P	P	P	P	P	P	P	P	P	P		
10	17U11A0403	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	P	P	P	P	P	P	P	P	P	P		
11	17U11A0405	A	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	P	P	P	P		
12	17U11A0406	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	P	P	P	P	P	P	P	P	P	P		
13	17U11A0407	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	P	P	P	P	P		
14	17U11A0409	A	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	P	P	P	P		
15	17U11A0410	P	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	P	P	P	P	P	P	P	P	P	P	
16	17U11A0411	A	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	P	P	P	P	P	
17	17U11A0413	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	P	P	P	P	P	P	
18	17U11A0415	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	P	P	P	P	P	P	P	P	P	P	P	
19	17U11A0416	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	P	P	P	P	P	P	
20	17U11A0417	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	P	P	P	P	P	P	P	P	P	P	P	
21	17U11A0418	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	P	P	P	P	P	P	P	P	P	P	P	
22	17U11A0419	A	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	P	P	P	P	P	
23	17U11A0420	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	P	P	P	P	P	P	
24	17U11A0422	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	P	P	P	P	P	P	P	P	P	P	P	
25	17U11A0425	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	P	P	P	P	P	P	
26	17U11A0426	A	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	P	P	P	P	P	P	P	P	P	P	
27	17U11A0427	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	P	P	P	P	P	P	P
28	17U11A0428	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	P	P	P	P	P	P	P
29	17U11A0431	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	P	P	P	P	P	P	P	P	P	P	P	P
30	17U11A0432	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	P	P	P	P	P	P	P
31	17U11A0433	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	P	P	P	P	P	P	P
32	17U11A0435	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	P	P	P	P	P	P	P
33	17U11A0436	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	P	P	P	P	P	P	P	P	P	P	P	P
34	17U11A0439	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	P	P	P	P	P	P	P	P	P	P	P	P


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		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	8/1	9/1	10/1	
75	18U15A0409	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
76	18U15A0410	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	A	P
77	18U15A0411	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	A
78	18U15A0414	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
79	18U15A0415	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

AS
CO-ORDINATOR

M.A.
HOD

[Signature]
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING


CIRCULAR

Date: 03/12/2019

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 9/12/2019 to 11/01/2020 (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 07/12/2019. Schedule for GATE coaching classes will be issued soon.


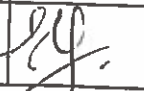
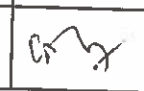





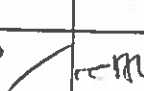
Note:- Bus Facility will be provided from our college premises to Uppal X Road at 06:30 PM.


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 Bayes 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.


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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Propositional and first order logic self selections.
DAY 2	Combinations, Linear Algebra.
DAY 3	Calculus, maxima and minima integration, probability & statistics.
DAY 4	Boolean algebra, minimization number representations & (computer) arithmetic.
DAY 5	Machine instructions and addressing modes. pipeline hazards.
DAY 6	memory hierarchy: I/O interface
DAY 7	programming inc, RECURSION, binary search trees.
DAY 8	searching, sorting, hashing algorithm design techniques.
DAY 9	Graph travels, minimum spanning trees, shortest paths.
DAY 10	Regular expressions and finite automata. Context free grammars.
DAY 11	Regular and Context free languages, Pumping Lemma.
DAY 12	Lexical analysis, Runtime environments. Intermediate code generation.


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DAY 13	local optimization, data flow analysis, common subexpression.
DAY 14	system calls, processes, threads can currency and synchronized
DAY 15	Deadlock. CPU and I/O scheduling memory management and virtual memory.
DAY 16	ER-model. Relational model: tuple calculus. SQL; integrity constraints, normal forms.
DAY 17	organization, indexing trees -actions and concurrency control.
DAY 18	concept of layering: OSI & TCP/IP IP protocol stacks; Basics of packet.
DAY 19	Circuit and virtual circuit-switch- ing; Data link layer, Routing protocols.
DAY 20	Fragmentation and IP addressing IPv4; CIDR notation, Network Address Translation (NAT);
DAY 21	Transport layer: UDP, TCP, sockets; Application layer proto- -cols.

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K. Rama Subramanyam

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING


LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	15QN1A0515	MD FASI AHMED
2	15U11A0551	SALILA PRADHAN
3	166Z1A0501	ABHILASH
4	16U11A0525	KONENI SAI KIRAN
5	17U11A0501	ATUKULA AKHILA
6	17U11A0502	B REVATI BAI
7	17U11A0503	BACHHU SAMYUKTHA
8	17U11A0504	BALLA DEEPIKA
9	17U11A0506	BANDI SRAVANTHI
10	17U11A0507	CHALLAPALLI HEMANTHSAIKUMAR
11	17U11A0508	CHOLLETI SURYA
12	17U11A0509	GADDAM KARTHIK REDDY
13	17U11A0511	ILLA SAI PRASANNA KUMAR
14	17U11A0512	KANCHARLA BHARAT REDDY
15	17U11A0513	KOSURU SOWMYA
16	17U11A0514	M SHEETAL
17	17U11A0516	MAGUBEHARA DURGA PRASAD
18	17U11A0517	MANCHOJU SAI NARESH
19	17U11A0518	MYSA MANASA
20	17U11A0519	NALLA SONY
21	17U11A0521	PADALA KAVITHA
22	17U11A0522	PANDAVULA SWATHI
23	17U11A0523	PULLA ANAND VARDHAN
24	17U11A0524	S CHATRAPATHI SHIVAJI
25	17U11A0525	SINGAM RAJYALAXMI
26	17U11A0526	SOMA LAXMI
27	17U11A0527	SONALI VISHWAKEERTH
28	17U11A0528	TALLAPALLI MANASA
29	17U11A0529	VANAM SRIKANTH
30	17U11A0530	VANGA MALLIKA
31	17U11A0531	YENNETI VENKATA DAMODAR
32	17U11A0532	AGARWAL YASH KUMAR
33	17U11A0533	AKULA LAYASREE
34	17U11A0535	D S AMIT KUMAR

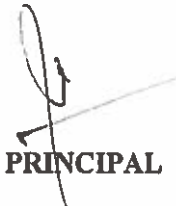
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SNO	HNO	NAME OF THE STUDENT
35	17U11A0536	ERRA HARATHI
36	17U11A0537	KAUSHAL KUMAR JHA
37	17U11A0538	KESHAV NIRUPAMA
38	17U11A0539	KUPPURAO VINAY ANAND
39	17U11A0543	VARIGANTI NIKITHA
40	17U11A0544	VELLANKI YASWANTH
41	17U11A0546	ANNENU REVATHI
42	17U11A0547	BAYYAPUNEEDI M S S KIRANMAYI
43	17U11A0548	GURRALA KEERTHI REDDY
44	17U11A0549	KASAM MANOJ
45	17U11A0552	M M GOUTHAMI
46	17U11A0553	TELUGU KOMARA MONU NAVEEN
47	17U11A0555	TIRUPATHI BHARGAV DUTT
48	17U11A0556	UPPULURI ROHIT KUMAR
49	17U11A0557	VISHAKA SHARMA
50	18U15A0501	BEJAWADA SAI BHARGAV KUMAR
51	18U15A0502	BOKKA SHIVANI
52	18U15A0503	HANUMANTHAGARI NIKHIL RAJ
53	18U15A0504	KUDIKALA SAI KRISHNA
54	18U15A0505	MOHAMMAD ALI
55	18U15A0506	SYEDA HEENA FATIMA
56	18U15A0507	TANNERU ANITHA
57	18U15A0508	VANAKALLA ROJA
58	18U15A0509	KUMAR SHANKAR NARAYANAN


 CO-ORDINATOR
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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: 2019-2020

SNO	HNO	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	13/10	14/10	15/10	16/10	17/10	18/10	19/10	20/10	21/10	22/10	23/10	24/10	25/10	26/10	27/10	28/10	29/10	30/10	31/10	32/10	33/10	34/10		
1	15QN1A0515	P	P	A	P	A	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	P	P	P	P	P	
2	15U11A0551	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	P	P	P	P	P	
3	166Z1A0501	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	P	P	P	P	P	
4	16U11A0525	A	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	P	P	P	P	
5	17U11A0501	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	P	P	P	P	P	P	P	P	P	P	
6	17U11A0502	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	P	P	P	P	P	
7	17U11A0503	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	P	P	P	P	P	
8	17U11A0504	P	A	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	P	P	P	P	P	P	P	P	
9	17U11A0506	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	P	P	P	P	P	
10	17U11A0507	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	P	P	P	P	P	
11	17U11A0508	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	P	P	P	P	P	
12	17U11A0509	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	P	P	P	P	P	
13	17U11A0511	A	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	P	P	P	P	
14	17U11A0512	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	P	P	P	P	P	P	P	P	P	P	
15	17U11A0513	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	P	P	P	P	P	P	P	P	P	P	
16	17U11A0514	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	P	P	P	P	P	
17	17U11A0516	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	P	P	P	P	P	P	P	P	P	P	
18	17U11A0517	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	P	P	P	P	P	
19	17U11A0518	A	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	P	P	P	P	
20	17U11A0519	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	P	P	P	P	P	P
21	17U11A0521	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	P	P	P	P	P	P
22	17U11A0522	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	P	P	P	P	P	P	P	P	P	P	P
23	17U11A0523	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	P	P	P	P	P	P
24	17U11A0524	A	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	P	P	P	P	P	P	P	P	P	P
25	17U11A0525	P	P	A	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	P	P	P	P	P	P	P	P
26	17U11A0526	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	P	P	P	P	P	P
27	17U11A0527	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	P	P	P	P	P	P
28	17U11A0528	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	P	P	P	P	P	P	P	P	P	P	P
29	17U11A0529	A	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	P	P	P	P	P
30	17U11A0530	A	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	P	P	P	P	P
31	17U11A0531	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	P	P	P	P	P	P	P	P	P	P	P
32	17U11A0532	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	P	P	P	P	P	P
33	17U11A0533	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	P	P	P	P	P	P
34	17U11A0535	A	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	P	P	P	P	P

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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 Bayes 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.


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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

REPORT

DATE: 12/01/2020

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 09/12/2019 to 11/01/2020


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 Dharmavaram
2	Digital Logic	Sandeep Kumar Vasa
3	Computer Organization and Architecture	Radha Devi.G
4	Programming and Data Structures	Krishnamurthy Ramasubramanian
5	Algorithms	Krishnamurthy Ramasubramanian
6	Theory of Computation	Marpudi Raghavendra Rao
7	Compiler Design -	Korivi Vamsheekrishna
8	Operating System	Palakollu Divya
9	Databases	Jayaraman Priya


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10	Computer Networks	Harivanam Naga Chandrika
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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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DEPARTMENT OF CIVIL ENGINEERING

CIRCULAR

Date: 08/12/2020

All the students of B.Tech III year are informed that the Department of Civil Engineering is conducting "GATE COACHING CLASSES" scheduled from 14/12/2020 to 22/01/2021 (04:30PM to 06:30PM). All the students are request to utilize this wonderful opportunity to crack the competitive exam like GATE .Enroll your names through the given link below on or before 11/12/2020.Schedule for GATE coaching classes will be issued soon.

<https://us04web.zoom.us/j/2379087366?pwd=aE1EZzROVIQ4Y2FST0hidkg0YnZEUT09>

Meeting ID: 237 908 7366

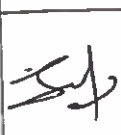




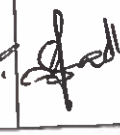
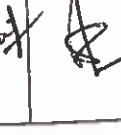
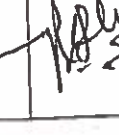
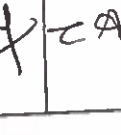
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Note:- Kindly install ZOOM App to get access to the classes.


HOD-CE

Copy to:

1. Hon'ble-Chairman/Secretary - For information
2. Principal's Office

IQAC	CE	EEE	ME	ECE	CSE	H & S	MBA	AO
								


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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.

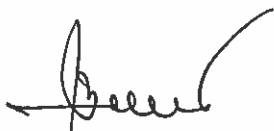
Municipal Solid Wastes: Characteristics, generation, collection and transportation of solid wastes, engineered systems for solid waste management (reuse/ recycle, energy recovery, treatment and disposal).


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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DEPARTMENT OF CIVIL ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Engineering Mathematics - Linear Algebra Calculus
DAY 2	Ordinary Differential equation, partial Differential equation
DAY 3	Probability and statistics
DAY 4	Structural Engineering - Engineering mechanics, solid mechanics
DAY 5	Solid mechanics.
DAY 6	Geo Technical Engineering - Soil Mechanics
DAY 7	Foundation Engineering.
DAY 8	Water Resource Engineering - fluid mechanics.
DAY 9	Hydraulics
DAY 10	Hydrology
DAY 11	Irrigation
DAY 12	Transportation Engineering - Transportation Infrastructure


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DAY 13	Geometric design of railway Track
DAY 14	Concept of airport Runway length
DAY 15	Highway pavements
DAY 16	Traffic Engineering
DAY 17	Environmental Engineering - Air pollution
DAY 18	Water and waste water Treatment
DAY 19	Sewerage system design
DAY 20	Municipal solid wastes.
DAY 21	Geomatics - Engineering - principles of surveying.
DAY 22	Errors and their adjustment ; Maps - scale, Coordinate system.
DAY 23	photogrammetry and Remote surveying


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DEPARTMENT OF CIVIL ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	18U11A0102	ACHE SAI KIRAN
2	18U11A0104	ARKA MAHESH
3	18U11A0105	BANOTH NAVEEN
4	18U11A0106	BANOTHU SANGEETHA
5	18U11A0107	BHANOTH PRAVEEN KUMAR
6	18U11A0108	BODA THARUN
7	18U11A0109	BOKKA BIXAM REDDY
8	18U11A0110	BOLISHETTY LAXMAN
9	18U11A0111	CHIGURU ANIL
10	18U11A0112	DARAVATH DIVYA
11	18U11A0113	DHARAVATH NAVEEN
12	18U11A0114	DHARAVATH PAVAN
13	18U11A0116	GUGLOTH SURENDAR
14	18U11A0117	GUGULOTH RAVI KUMAR
15	18U11A0119	JADHAV ARJUN
16	18U11A0120	JUKANTI SRINIDHI
17	18U11A0121	KOTLA RAGHAVENDRA SAGAR
18	18U11A0122	LAVANGU SAI SUMANTH
19	18U11A0123	MADE KAMALAKAR
20	18U11A0124	MADHUR VIVEK REDDY
21	18U11A0125	NUNAVATH NARENDAR
22	18U11A0126	PASUPULETI GOPIKRISHNA
23	18U11A0127	RAGAMSHETTI NARESH
24	18U11A0128	SAPAVAT KONDAIAH
25	18U11A0129	SYED AZHAR HUSSAIN
26	18U11A0130	TATLA PAVAN KALYAN
27	18U11A0131	UIKA NAMDEV
28	18U11A0134	GUDARI CHANDRASHEKAR
29	18U11A0136	KAITHOJU SAGAR
30	18U11A0137	KOLANU NIKHIL
31	18U11A0138	MD ZAHEER
32	18U11A0139	MOTURI VINOD KUMAR
33	18U11A0141	POLOJU SAI VAMSHI
34	18U11A0143	THATIKONDA SHASHIDHAR

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SNO	HNO	NAME OF THE STUDENT
35	18U11A0152	MD ABBAS ALI SHAH
36	19U15A0101	ALPOOR VASANTHI
37	19U15A0102	C SNEHA
38	19U15A0103	G DILIP KUMAR
39	19U15A0104	GULAB BABU RAJ PRATAP SINGH
40	19U15A0105	KARNE GOUTHAM
41	19U15A0106	MALATKAR VINAYAK ANAND
42	19U15A0107	MEGAVATH VISHAL RATHOD
43	19U15A0108	PAYTA SONALIKA
44	19U15A0109	POCHAM SAI KUMAR
45	19U15A0110	ADDIGA SAI ABHISHEK
46	19U15A0111	AKKALDEVI SHASHIKANTH
47	19U15A0112	ANKUVAR SHIVA KUMAR
48	19U15A0113	ARUKALA GANESH
49	19U15A0114	ARUMULLA SHESHANK
50	19U15A0115	BANOTH SAMRAT
51	19U15A0116	BARIGALA SHIVAPRASAD
52	19U15A0117	BATHULA AJAY KUMAR GOUD
53	19U15A0118	BHUKYA VENKATESH
54	19U15A0119	BHUKYA YAKUB
55	19U15A0120	BOLLEDDU SOWJANYA
56	19U15A0121	BOMPALLY VIJAY KUMAR
57	19U15A0122	BUKYA JEEVAN
58	19U15A0123	BYRI SAI DEEPAK
59	19U15A0124	CHERUKUPALLI MANUSHA


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REPORT

DATE: 27/01/2021

NAME OF THE PROGRAMME: GATE COACHING

DATE: 14/12/2020 to 22/01/2021

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 management, the Department of Civil Engineering has planned to conduct GATE Coaching Classes during working days from 04:30PM to 06:30PM.

The following subjects taught by the following faculty:

S.No	Name of the subject	Subject expert
1	Geo Technical Engineering	Ms.V.Srujana
2	Strength Of Materials	Dr.CSC.Devadass
3	Environmental Engineering	Mr.J.Mohan
4	Water Resources Engineering	Mr.J.Rana Prathap
5	FM&HM	Mr.PMB Rajkiran
6	Surveying	Mr.P. Avinash
7	Transportation Engineering	Mr.KhajaKamranuddin
8	Design Of RCC and Steel Structures	Mr.P.Bikku
9	Engineering Mathematics	Mr.Shashichandar Rao
10	Hydrology	Mr.S.Mahesh

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 by in the exam. The students have expressed that the coaching was very helpful. The list III and IV B.Tech Civil students whose participate in GATE class is also enclosed.


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- P Bikku (Host, me)
- 19U15A0175 TUNIKI SUBHA...
- (18U11A0151)Sheikh Altaf...
- 18C21A0114 Rajaju Vennala
- 18U11A0124<M.Vivek Reddy>
- 18U11A0126 P. Gopi Krishna
- 18U11A0113 [Dharavath Na...
- 19U15A0101 A.Vasanthi
- 19U15A0102 Sneha C
- 19U15A0109 P.SAIKUMAR
- 19U15A0110,A. Sai Abhishek

Close Participants (52)

Waiting(2) Admit al

- 17C21A0103 Srikanth Nay... Joining...
- 17C21A0115 K Dattasai ea... Joining...

Participants(50)

Search

- P Bikku (Host, me) >
- (17C21A0122) Ganesh >
- 17C21A0105 Bhukya Vijay... >
- 17C21A0106 Borra Mallikh... >
- 17C21A0109Dattu Yadav... >
- 17C21A0113 Gutla Raju >

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SNO	HNO	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	13/12	14/12	15/12	16/12	17/12	18/12	19/12	20/12	21/12	22/12	1	2	
35	18U11A0152	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
36	19U15A0101	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
37	19U15A0102	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
38	19U15A0103	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
39	19U15A0104	P	P	P	P	A	P	P	P	A	P	P	P	P	P	A	P	P	A	P	P		
40	19U15A0105	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P		
41	19U15A0106	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P		
42	19U15A0107	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P		
43	19U15A0108	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P		
44	19U15A0109	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
45	19U15A0110	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P		
46	19U15A0111	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P		
47	19U15A0112	P	P	P	P	P	P	P	P	P	A	P	P	R	P	P	P	P	P	P	A		
48	19U15A0113	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P		
49	19U15A0114	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
50	19U15A0115	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P		
51	19U15A0116	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
52	19U15A0117	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P		
53	19U15A0118	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P		
54	19U15A0119	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P		
55	19U15A0120	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P		
56	19U15A0121	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P		
57	19U15A0122	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P		
58	19U15A0123	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
59	19U15A0124	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
60	19U15A0125	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
61	19U15A0126	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
62	19U15A0127	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
63	19U15A0128	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P		
64	19U15A0129	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P		
65	19U15A0130	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P		
66	19U15A0131	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P		
67	19U15A0132	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
68	19U15A0133	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
69	19U15A0134	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
70	19U15A0135	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P		
71	19U15A0136	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
72	19U15A0137	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P		
73	19U15A0138	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P		
74	19U15A0139	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
75	19U15A0140	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
76	19U15A0141	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P		
77	19U15A0142	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
78	19U15A0143	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
79	19U15A0144	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
80	19U15A0157	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P		

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Date: 08/12/2020

All the students of B.Tech III year are informed that the Department of Electrical and Electronics Engineering is conducting "GATE COACHING CLASSES" scheduled from 14/12/2020 to 22/01/2021 (04:30PM to 06:30PM). All the students are request to utilize this wonderful opportunity to crack the competitive exam like GATE. Enroll your names through the given link below on or before 11/12/2020. Schedule for GATE coaching classes will be issued soon.

Note:- Kindly install ZOOM App to get access to the classes.


HOD-EEE

CC to

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


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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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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	18U11A0201	ABHISHEK KUMAR JHA
2	18U11A0202	GOLLA VENKATESWARLU
3	18U11A0203	MORE RANJITH
4	18U11A0205	THOTAKURA ANUSHA
5	18U11A0206	THOTAPALLY VARSHINI
6	18U11A0207	CHETKAR NITHISHKUMAR
7	18U11A0208	GULAIGARU SWATHI
8	18U11A0209	JEEDULA MANI SAI
9	18U11A0210	SAJJANAM PRAVEEN KUMAR
10	18U11A0211	SHAIK SAMEER
11	18U11A0212	BIKASH SEN
12	19U15A0201	BOKKI MANOHAR
13	19U15A0202	GARIDEPALLI SATEESH
14	19U15A0203	MANCHA SUSMITHA
15	19U15A0204	MOHAMMED FAIZAN
16	19U15A0205	NADDUNURI USHA SRI
17	19U15A0206	P RAMESH
18	19U15A0207	AGGI NIKHILESH
19	19U15A0208	BACHU SAI SUDHEER
20	19U15A0209	BANOTH PRAVEEN
21	19U15A0210	BIRUKURI BALAKRISHNA
22	19U15A0211	CHAINABOINA SHRAVAN KUMAR
23	19U15A0212	CHIKKA AKHIL
24	19U15A0213	CHINNAGADDAM VIJAY REDDY
25	19U15A0214	CHINTHAKAYALA GANESH
26	19U15A0215	GARSHAKOTA ANJITH KUMAR
27	19U15A0216	GOUDA NAVEEN KUMAR
28	19U15A0217	GUNDU RAHUL
29	19U15A0218	K JAYA SAI ROHITA
30	19U15A0219	KARINGULA BALRAJ
31	19U15A0220	KONTHAM NAVEEN KUMAR
32	19U15A0221	KOTHI PRADEEP


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33	19U15A0222	MANCHINILLA PRASHANTH
34	19U15A0223	METHUKU ARAVIND
35	19U15A0224	MUDA KISHORE
36	19U15A0225	MUDE LAKSHMA VISHNU NAICK
37	19U15A0226	NEKNATH RAHUL GHAN SHYAM
38	19U15A0227	PAGADALA PRANITHA
39	19U15A0228	PENTABOINA GIRI
40	19U15A0229	PITTALA SURAJ KUMAR
41	19U15A0230	POTHARAJU RAKESH
42	19U15A0231	PULIGILLA SAI KUMAR
43	19U15A0232	PUTTA NAVEENA
44	19U15A0233	RAJAMANDRI KARTHIK
45	19U15A0234	RATNAPURAM DILIP KUMAR
46	19U15A0235	RIKKULA SATYANARAYANA
47	19U15A0236	SOMA AJAY KUMAR
48	19U15A0237	TARUN BANGARUGADDA
49	19U15A0238	TAUDALA KIRANKUMAR
50	19U15A0239	THATIPAMULA ARUNKUMAR
51	19U15A0240	VADIGE SRI SHASHANK
52	19U15A0241	VANGALA NARESH
53	19U15A0242	VANKODOTHU AKHIL BALARAM
54	19U15A0243	VATTIPALLY RANJITH
55	19U15A0244	YEDDULA ANAND
56	19U15A0245	YERRA MAHAENDAR


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NAME OF THE PROGRAMME: GATE COACHING CLASSES


VENUE: ROOM NO-321(3RD FLOOR)

TIMINGS: 04:30PM TO 06:30PM

The list of III Year EEE students attended for the Academic Year: 2020-2021

dec- Jan.

SNO	HNO	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	2	4	5	6	7	8	9	11	12	16
1	18U11A0201	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	
2	18U11A0202	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	
3	18U11A0203	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	P	P	
4	18U11A0205	A	P	P	P	P	A	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
5	18U11A0206	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
6	18U11A0207	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	
7	18U11A0208	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
8	18U11A0209	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	
9	18U11A0210	P	P	P	P	P	A	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
10	18U11A0211	A	P	P	P	A	P	P	P	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	
11	18U11A0212	A	P	P	P	P	P	P	P	P	A	A	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	
12	19U15A0201	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
13	19U15A0202	P	P	A	A	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
14	19U15A0203	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	
15	19U15A0204	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	A	P	P	
16	19U15A0205	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	A	P	
17	19U15A0206	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P	A	P	A	P	P	P	P	P	
18	19U15A0207	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	19U15A0208	P	P	P	P	A	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	
20	19U15A0209	A	P	P	P	P	P	P	P	A	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	
21	19U15A0210	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
22	19U15A0211	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	
23	19U15A0212	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	
24	19U15A0213	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	
25	19U15A0214	P	P	P	P	P	P	A	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
26	19U15A0215	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	
27	19U15A0216	A	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	
28	19U15A0217	P	P	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	
29	19U15A0218	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	
30	19U15A0219	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
31	19U15A0220	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	P	P	
32	19U15A0221	P	P	P	P	A	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	


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dec - Jan

SNO	HNO	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
33	19U15A0222	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	
34	19U15A0223	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	
35	19U15A0224	A	P	P	P	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	P	P	P	P	P	
36	19U15A0225	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	
37	19U15A0226	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	
38	19U15A0227	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	P	P	P	P	
39	19U15A0228	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
40	19U15A0229	A	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	P	P	P	P	P	P	P	P	
41	19U15A0230	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	
42	19U15A0231	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	P	P	P	P	
43	19U15A0232	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
44	19U15A0233	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	P	P	P	P	
45	19U15A0234	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	A	P	P	P	P	P	P	
46	19U15A0235	P	P	P	P	P	P	P	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	P	P	
47	19U15A0236	A	P	P	P	P	P	A	P	A	P	P	A	A	A	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
48	19U15A0237	P	A	A	P	P	P	P	P	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	P	
49	19U15A0238	P	P	P	P	P	P	A	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	P	P	P
50	19U15A0239	P	P	P	P	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	P	P	P	P	P	P
51	19U15A0240	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	P	P	P	P	P
52	19U15A0241	P	P	A	P	P	A	A	P	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	P	P
53	19U15A0242	P	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	P	P	P	P	P	P	P	P	P
54	19U15A0243	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
55	19U15A0244	P	P	P	A	P	A	A	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	P	P	P
56	19U15A0245	P	P	A	P	A	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	P	P	P	P	P

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Introduction to Gate syllabus
DAY 2	Linear Algebra
DAY 3	calculus
DAY 4	differential equations
DAY 5	vector Analysis
DAY 6	Electric circuits
DAY 7	R, L, C parameters
DAY 8	network Theorems
DAY 9	Transient response
DAY 10	Electromagnetic fields
DAY 11	signal and systems
DAY 12	Electrical Machines
DAY 13	Transformers, DC machines


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DAY 14	Ac machines
DAY 15	Power system
DAY 16	Transmission, distribution
DAY 17	control system
DAY 18	Lag, lead, Lead-lag compensation
DAY 19	Electrical measurements
DAY 20	Analog and digital Electronics
DAY 21	Electronic measurements
DAY 22	Power electronics
DAY 23	conclusion of Gate Exam


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12:28 PM 0.5KB/s

Close Participants (34)

Search

S	Shashank 19U15A0240 (me)			
	sridhar komati (Host)			
K	(19U15A0238)T kiran kumar			
	18L75A0222			
	19U15A0210(balakrishna)			
	19U15A0213			
A	19U15A0215 Anjith kumar			
	19U15A0227			
	19U15A0234			

Invite

11:21 AM 32.7KB/s

Close Participants (30)

Search

S	Shashank 19U15A0240 (me)			
	suresh annam (Host)			
	Abhishek Jha 18U11A0201			
VN	V. Naresh. 19U15A0241			
K	(19U15A0238)T kiran kumar			
	18L75A0222			
	19U15A0210(balakrishna)			
	19U15A0213			
	19U15A0227			

Invite

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REPORT

DATE: 27/01/2021

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 14/12/2020 to 22/01/2021

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 management, the **Department of ELECTRICAL AND ELECTRONICS ENGINEERING** has planned to conduct **GATE Coaching Classes** during working days from **04:30PM to 06:30PM**.

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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DEPARTMENT OF MECHANICAL ENGINEERING

CIRCULAR

Date: 08/12/2020

All the students of B.Tech III year are informed that the Department of Mechanical Engineering is conducting "GATE COACHING CLASSES" scheduled from 14/12/2020 to 22/01/2021 (04:30PM to 06:30PM). All the students are request to utilize this wonderful opportunity to crack the competitive exam like GATE. Enroll your names through the given link below on or before 11/12/2020. Schedule for GATE coaching classes will be issued soon.

Note:- Kindly install ZOOM App to get access to the classes.

HOD-ME

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 MECHANICAL ENGINEERING

SYLLABUS FOR GATE CLASSES

Section 1: Engineering Mathematics

Linear Algebra -Linear equations, Matrix algebra, eigenvalues and eigenvectors.

Differential equations - Linear and nonlinear, Euler-Cauchy equation; higher-order linear differential equations with constant coefficients, initial and boundary value problems; solutions of heat, wave and Laplace's equations; Laplace transforms.

Calculus - Evaluation of definite and improper integrals; Functions of single variable, limit, continuity and differentiability, mean value theorem, indeterminate forms; double and triple integrals; total derivative, partial derivatives, maxima and minima, Taylor series (in one and two variables), Fourier series; divergence and curl, gradient, vector identities, line, directional derivatives, surface and volume integrals, and Green's theorems and applications of Gauss, Stoke.

Probability and Statistics - Probability, conditional probability; sampling theorems; median, mean, mode and standard deviation; binomial, random variables, normal and Poisson distributions.

Numerical Methods - Integration by trapezoidal and Simpson's rules; - Numerical solutions of linear and non-linear algebraic equations; single & multi-step for differential equations.

Complex variables - Cauchy-Riemann equations; Analytic functions, Taylor and Laurent series. Cauchy's integral theorem & integral formula

Section 2: Applied Mechanics and Design

Mechanics of Materials - Elastic constants, Stress and strain, Poisson's ratio, thin cylinders, Mohr's circle for plane stress and plane strain, shear force and bending moment diagrams, deflection of beams, bending and shear stresses, torsion of circular shafts, energy methods, Euler's theory of columns, thermal stresses, testing of materials with universal testing machine, strain gauges and rosettes, testing of hardness and impact strength.


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Engineering Mechanics - Trusses and frames; Free body diagrams and equilibrium, virtual work; impulse and momentum (linear and angular), kinematics and dynamics of particles & of rigid bodies in plane motion and energy formulations, collisions.

Theory of Machines - Displacement, velocity and acceleration analysis of plane mechanisms; dynamic analysis of linkages; cams; gears and gear trains; flywheels and governors; balancing of reciprocating and rotating masses; gyroscope.

Machine Design - Design for static and dynamic loading, Failure theories, fatigue strength and the S-N diagram, gears, shafts, rolling and sliding contact bearings, springs, brakes and clutches, principles of the design of machine elements like riveted, bolted and welded joints

Vibrations - Effect of damping, Free and forced vibration of single degree of freedom systems, resonance, vibration isolation, critical speeds of shafts.

Section 3: Fluid Mechanics and Thermal Sciences

Heat-Transfer - One-dimensional heat conduction, modes of heat transfer, heat transfer through fins, resistance concept & electrical analogy, lumped parameter system, unsteady heat conduction, Heisler's charts, dimensionless parameters in free and forced convective heat transfer, thermal boundary layer, heat transfer correlations for flow over flat plates and through pipes, heat exchanger performance, effect of turbulence, LMTD & NTU methods; Stefan-Boltzmann law, radiative heat transfer, Wien's displacement law, view factors, black and grey surfaces and radiation network analysis.

Fluid Mechanics - Fluid statics, properties, manometry, buoyancy, stability of floating bodies, forces on submerged bodies, control-volume analysis of mass, fluid acceleration, momentum and energy, differential equations of continuity and momentum, dimensional analysis, Bernoulli's equation, viscous flow of incompressible fluids, elementary turbulent flow, boundary layer, flow through pipes, bends and fittings and head losses in pipes

Applications - Power Engineering, I.C. Engines, Refrigeration and air-conditioning and Turbomachinery

Thermodynamics - Properties of pure substances, thermodynamic systems and processes, the behaviour of ideal and real gases, calculation of work and heat in various processes, zeroth and first laws of thermodynamics, the second law of thermodynamics, thermodynamic relations and thermodynamic property charts and tables, availability and irreversibility


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Section 4: Materials, Manufacturing and Industrial Engineering

Casting, Forming and Joining Processes - Design of patterns, moulds and cores, Different types of castings, solidification and cooling, riser & gating design, fundamentals of hot and cold working processes, Plastic deformation and yield criteria load estimation for bulk (drawing, rolling, forging, extrusion) and sheet (deep drawing, shearing, bending), principles of powder metallurgy, metal forming processes, brazing, Principles of welding, soldering & adhesive bonding.

Engineering Materials - Phase diagrams, structure and properties of engineering materials, heat treatment, stress-strain diagrams for engineering materials.

Machining & Machine Tool Operations - Basic machine tools, Mechanics of machining, single and multi-point cutting tools, tool life and wear, tool geometry and materials, the economics of machining, principles of work holding, principles of non-traditional machining processes, design of jigs and fixtures.

Computer Integrated Manufacturing - Concepts of CAD/CAM and their integration tools.

Metrology and Inspection - Linear and angular measurements, Limits, fits and tolerances & comparators; gauge design, interferometry, alignment and testing methods, form and finish measurement, tolerance analysis in manufacturing and assembly.


Production Planning and Control - Aggregate production planning, forecasting models, materials requirement planning and scheduling.

Operations Research - Simplex method, linear programming, transportation, network flow models, assignment, simple queuing models and PERT & CPM.

Inventory Control - Safety stock inventory control systems, Deterministic models.


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DEPARTMENT OF MECHANICAL ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Linear equations, Matrix algebra, eigenvalues and eigenvectors/ Differential equations
DAY 2	Evaluation of definite and improper integrals; Functions of single variable, limit, continuity and differentiability, mean value theorem, indeterminate
DAY 3	Probability and Statistics - Probability, conditional probability; sampling theorems; median, mean, mode and standard deviation; binomial, random variables, normal and Poisson distributions
DAY 4	Complex variables - Cauchy-Riemann equations; Analytic functions, Taylor and Laurent series.
DAY 5	Trusses and frames; Free body diagrams and equilibrium, virtual work; impulse and momentum (linear and angular), kinematics and dynamics of particles & of rigid bodies in plane motion and
DAY 6	Design for static and dynamic loading, Failure theories, fatigue strength and the S-N diagram, gears, shafts, rolling and sliding contact bearings, springs, brakes and clutches, principles of the design of machine elements like riveted, bolted and welded joints
DAY 7	One-dimensional heat conduction, modes of heat transfer, heat transfer through fins, resistance concept & electrical analogy, lumped parameter system, unsteady heat conduction, Heisler's charts, dimensionless parameters in free and forced convective heat transfer, thermal boundary layer, heat transfer correlations for flow over flat plates and through pipes, heat exchanger performance,
DAY 8	Fluid statics, properties, manometry, buoyancy, stability of floating bodies, forces on submerged bodies, control-volume analysis of mass, fluid acceleration, momentum and energy, differential equations of continuity and momentum


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DAY 9	Power Engineering, I.C. Engines, Refrigeration and air-conditioning and Turbomachinery
DAY 10	Properties of pure substances, thermodynamic systems and processes, the behaviour of ideal and real gases, calculation of work and heat in various processes, zeroth and first laws of thermodynamics,
DAY 11	the second law of thermodynamics, thermodynamic relations and thermodynamic property charts and tables, availability and irreversibility
DAY 12	Design of patterns, moulds and cores, Different types of castings, solidification and cooling, riser & gating design, fundamentals of hot and cold
DAY 13	drawing, rolling, forging, extrusion) and sheet (deep drawing, shearing, bending), principles of powder metallurgy, metal forming processes
DAY 14	Phase diagrams, structure and properties of engineering materials, heat treatment, stress-strain diagrams for engineering materials
DAY 15	Basic machine tools, Mechanics of machining, single and multi-point cutting tools, tool life and wear, tool geometry and materials, the economics of and fixtures.
DAY 16	Concepts of CAD/CAM and their integration tools
DAY 17	- Linear and angular measurements, Limits, fits and tolerances & comparators; gauge design, interferometry.
DAY 18	alignment and testing methods, form and finish measurement, tolerance analysis in manufacturing and assembly
DAY 19	Aggregate production planning, forecasting models, materials requirement planning and scheduling
DAY 20	Simplex method, linear programming, transportation, network flow models, assignment, simple queuing models and PERT & CPM
DAY 21	Safety stock inventory control systems, Deterministic models


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DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	18U11A0301	BELLAPUKONDA AKSHITH REDDY
2	18U11A0302	K MADHU
3	18U11A0303	K VARA PRASAD
4	18U11A0304	BASAVA TARUNSAI
5	18U11A0305	JORKA OM PRAKASH
6	18U11A0306	KAKI MADHU KUMAR REDDY
7	18U11A0307	KARRI SAI VINAY
8	18U11A0308	YAKKATI VIKAS
9	18U11A0309	K MALLESH
10	18U11A0310	RAMIDI VISHWANATH REDDY
11	19U15A0301	AKAVARAM VAMSHI KRISHNA
12	19U15A0302	BAYYARAM SHRAVAN KUMAR
13	19U15A0303	KURA RAJ KUMAR
14	19U15A0304	MAALE SAI AKHIL
15	19U15A0305	MOHD NAZEERUDDIN
16	19U15A0306	SHAMAKURI RAJU
17	19U15A0307	SIRIGIRI LAXMI
18	19U15A0308	TEJAVATH VINAY
19	19U15A0309	UPPALA SHIVA KUMAR
20	19U15A0310	UPPALA YASHWANTH
21	19U15A0311	BADHAVATH NAGARAJU
22	19U15A0312	C JAYANTH
23	19U15A0313	CHANAVATH PRAVEEN KUMAR
24	19U15A0314	CHEERA PARAMESH
25	19U15A0315	CHERUKULA MALLESH
26	19U15A0316	CHINNAM VIJAY KUMAR
27	19U15A0317	GUBBALA DURGA GANESH
28	19U15A0318	GUDA VINISH
29	19U15A0319	GUDUGUNTLA RAKESH
30	19U15A0320	KOCHARLA PRADEEP
31	19U15A0321	KOMMURI GNANESHWAR REDDY
32	19U15A0322	KOSURU SRINIVA
33	19U15A0323	KOYYALA PRAVEEN
34	19U15A0324	LAKKIMSHETTY SHESHAGIREESH

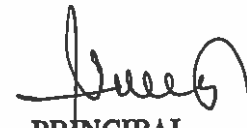
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SNO	HNO	NAME OF THE STUDENT
35	19U15A0325	MD IMTHIAZ
36	19U15A0326	PAMARTHI NAVEEN SAI
37	19U15A0327	PERKA RAJESH
38	19U15A0328	REDDABOINA LAXMAN
39	19U15A0329	REDDABOINA RAMU
40	19U15A0330	S KARTHIK
41	19U15A0331	S SUNIL
42	19U15A0332	SEETHALA MAHESH
43	19U15A0333	SHAIK ABDUL NASAR
44	19U15A0334	SINGA LIKHIT
45	19U15A0335	TEMBARENI HARICHARAN
46	19U15A0336	THALLA UDAY GOUD
47	19U15A0337	THIRUKKOVALUR U SHRAVAN
48	19U15A0338	TUDI SAIKIRAN
49	19U15A0339	TUPAKI PRAKASH
50	19U15A0340	U.KARTHIK


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DEPARTMENT OF MECHANICAL ENGINEERING

REPORT

DATE: 27/01/2021

NAME OF THE PROGRAMME: GATE COACHING

DATE: 14/12/2020 to 22/01/2021

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 management, the Department of Mechanical Engineering has planned to conduct GATE Coaching Classes during working days from 04:30PM to 06:30PM.

Students are taught different subjects like:

S.No	Name of the Subject	Subject Expert
1	Engineering Mechanics	Mr. Veerendra Prasad
2	Mechanics of Materials	Mr. B.Gopi Chand
3	Theory of Machines	Dr. K.Vijay Kumar
4	Machine Design	Mr. D.Naveen
5	Heat-Transfer	Mr. B.Ramesh
6	Fluid Mechanics	Mr. P.Chandra Bhushnam
7	Thermodynamics	Mr. P.Thirupathaiah
8	Engineering Materials	Mr. S.Naresh
9	Manufacturing and Industrial Engineering	Mr. B.Venkatesh
10	Computer Integrated Manufacturing	Mr.D.Gayatri
11	Production Planning and Control	Mr. J. Vishwas
12	Operations Research	Mr.S. Sateesh

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 by in the exam. The students have expressed that the coaching was very helpful. The list of B.Tech III year Mechanical students who participate in GATE class is also enclosed.


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ATTENDANCE SHEET

NAME OF THE PROGRAMME: GATE COACHING

VENUE: ROOM NO-306 (THIRD FLOOR)

TIMINGS: 04:30PM TO 06:30PM

The list of III Year Mechanical students attended for the Academic Year: 2020-2021

S.NO	H NO	DEC												JAN											
		14	15	16	17	18	21	22	23	24	28	29	30	31	2	4	5	7	8	11	12				
1	18U11A0301	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
2	18U11A0302	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
3	18U11A0303	P	A	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P				
4	18U11A0304	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
5	18U11A0305	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
6	18U11A0306	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
7	18U11A0307	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
8	18U11A0308	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
9	18U11A0309	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
10	18U11A0310	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P				
11	19U15A0301	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P				
12	19U15A0302	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
13	19U15A0303	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
14	19U15A0304	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
15	19U15A0305	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				

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16	19U15A0306	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	19U15A0307	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	19U15A0308	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	19U15A0309	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	19U15A0310	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	19U15A0311	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	19U15A0312	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	19U15A0313	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	19U15A0314	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
25	19U15A0315	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	19U15A0316	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	19U15A0317	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	19U15A0318	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	19U15A0319	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	19U15A0320	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	19U15A0321	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	19U15A0322	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	19U15A0323	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	19U15A0324	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	19U15A0325	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	19U15A0326	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	19U15A0327	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	19U15A0328	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	19U15A0329	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
40	19U15A0330	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	19U15A0331	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	19U15A0332	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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43	19U15A0333	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
44	19U15A0334	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
45	19U15A0335	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	19U15A0336	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
47	19U15A0337	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
48	19U15A0338	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
49	19U15A0339	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50	19U15A0340	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Pandit
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[Signature]
HOD

[Signature]
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CIRCULAR

Date: 08/12/2020

All the students of B.Tech III year are informed that the Department of ELECTRONICS AND COMMUNICATION ENGINEERING is conducting "GATE COACHING CLASSES" scheduled from 14/12/2020 to 22/01/2021 (04:30PM to 06:30PM). All the students are request to utilize this wonderful opportunity to crack the competitive exam like GATE .Enroll your names through the given link below on or before 11/12/2020.Schedule for GATE coaching classes will be issued soon.




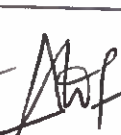


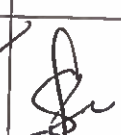
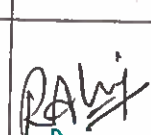

Note:- Kindly install ZOOM App to get access to the classes.

Link: <https://us05web.zoom.us/j/83262595673?pwd=SIFrRWV6YTd0bXNlQ1owOXV4Mkx5QT09>


HOD-ECE

CC to

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

IQAC	CE	EEE	ME	ECE	CSE	H & S	MBA	AO
								


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION 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: 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.


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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. 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.

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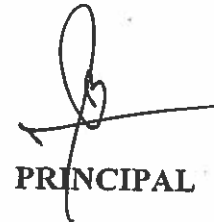
Section 8: Electromagnetics

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


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	OP-amp circuit
DAY 2	BJT, MOSFET
DAY 3	ADCs & DACs
DAY 4	ROM, SRAM, DRAM
DAY 5	Pouth-Hurwitz
DAY 6	Nyquist stability criteria.
DAY 7	Bode & root locus plots
DAY 8	Properties of white noise
DAY 9	Amplitude modulations
DAY 10	PCM, DPCM
DAY 11	differential & integral forms & their interpretation
DAY 12	reflection & refraction
DAY 13	dipole and monopole antenna


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DAY 14	Matrix algebra: eigenvalues, eigen vectors
DAY 15	Maxima & minima, multiple integrals
DAY 16	Cauchy's & Euler's Equations
DAY 17	Green's and Stokes-theorem
DAY 18	binomial distribution, Poisson distribution
DAY 19	superposition, Thevenin's Theorem
DAY 20	RL, RC & RLC circuits
DAY 21	Fourier Series & Fourier Transform
DAY 22	DTFT, DFT, Z-Transform
DAY 23	LTI systems

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REPORT

DATE: 27/01/2021

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 14/12/2020 to 22/01/2021

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 management, the Department of ELECTRONICS AND COMMUNICATION ENGINEERING has planned to conduct GATE Coaching Classes during working days from 04:30PM to 06:30PM.

The following subjects taught by the following faculty:

S.No	Name of the Subject	Subject Expert
1	Engineering Mathematics	MS-D Rupa lakshmi
2	Analog Circuits Diode circuits:	Mr. Vikram Kumar
3	Networks, Signals and Systems	MRS. K. Vanisree
4	Electronic Devices circuits	Mr. M. Sreenivasulu
5	Digital Circuits	Mr. V. Sandeep Kumar
6	Control Systems	Ms. A. Swathi Gupta
7	Communications	Mrs. Y. Tala Lakshmi
8	Electromagnetics	Dr. P. Ashok Kumar
9	Reasoning and Quantitative Aptitude.	MS-D Rupa lakshmi

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 ECE students who participated in GATE classes is enclosed.


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	17U11A0480	YENNETI JASWINI
2	18C21A0410	MUTTAMSETTY SHIREESHA
3	18C21A0419	GUTTULA SIREESHA DEVI
4	18C21A0421	MALUGU NITHIN KUMAR
5	18C21A0424	NARSING SIRI PALLAVI
6	18U11A0401	ALIMA SAI SRUTHI
7	18U11A0402	APOORV MANE
8	18U11A0403	AUSTIN GEORGE
9	18U11A0404	BANDLA SAI SHIRISHA
10	18U11A0405	BANOTHU ARCHANA
11	18U11A0406	BATTULA VISHNU VARDHAN
12	18U11A0407	BELIDE VAMSHI RAJ
13	18U11A0408	BENDABEMBLI BHAVESH REDDY
14	18U11A0409	BODAPOTHULA ROHINI
15	18U11A0410	BOREDDY LAKSHMIDEVI
16	18U11A0411	CHENNADI SATHWIKA
17	18U11A0412	CHINTAPARTI RIHARIKA
18	18U11A0413	DASARI ARAVIND
19	18U11A0414	DUDIPALA MADHUMITHA
20	18U11A0415	DUSSA SRI HARSHAVARDHAN
21	18U11A0416	DYAPA THARUN
22	18U11A0417	ENUGU SANDEEP REDDY
23	18U11A0418	GAJAM SANTHOSHKUMAR
24	18U11A0419	GEDALA DURGA PRASAD
25	18U11A0420	GORLA GOWRI PRIYA
26	18U11A0421	GURRAM ANUSHA
27	18U11A0422	HALAVATH BHASKAR
28	18U11A0423	KOMPELly SAHANA
29	18U11A0424	KONDA SHIVANI
30	18U11A0425	KORICHERLA SAI KIRAN
31	18U11A0426	M GRISHMA
32	18U11A0427	MACHA MUKTHEESHWAR
33	18U11A0428	MANIKONDA SRI CHARAN
34	18U11A0429	MANNE SHISHIR SAI

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SNO	HNO	NAME OF THE STUDENT
35	18U11A0430	MOOLAMPALLY ANANYA
36	18U11A0431	MOSALI SHASHIKIRAN REDDY
37	18U11A0432	P V S BENI RAVI KIRAN
38	18U11A0433	P VAISHNAVI
39	18U11A0434	PAGADALA RAGHU VARMA
40	18U11A0435	PAILLA SAI PRIYA
41	18U11A0436	PULIGILLA ANUSHA
42	18U11A0437	PUSKURI SAI CHARAN
43	18U11A0438	SRIRAMULA JYOTHIRMAI
44	18U11A0439	SURA VISHNU
45	18U11A0440	SWARNALATHA UPPARI
46	18U11A0441	TUMMALA VENKAT REDDY
47	18U11A0442	VEERAMALLI AKHILA
48	18U11A0444	YENNAMANENI ABHINAYA
49	18U11A0445	A G S S S SARAVNI
50	18U11A0447	B NEHA
51	18U11A0448	BOMMAKANTI VENKATA
52	18U11A0449	G VAISHNAVI
53	18U11A0450	DANTURI NISHITHA
54	18U11A0454	GURAJAPU SAHITI
55	18U11A0455	HOSEKER SAI CHANDRASEKAR
56	18U11A0456	JONATHAN ABHISHEK
57	18U11A0457	K DEEKSHA
58	18U11A0459	KAKOLLU SRIKANTH
59	18U11A0460	KALLEM KRISHNA SANJAY
60	18U11A0463	MAJI RAKESH
61	18U11A0464	MOHAMMAD AFREEN
62	18U11A0465	MOHAMMAD FAZAL
63	18U11A0466	NALACHERVU SRIHARI
64	18U11A0467	P KALPANA
65	18U11A0468	P S ABHISHEK
66	18U11A0469	BUKKA SRI CHANDANA
67	18U11A0470	RAYABARAPU MOUNIKA
68	18U11A0471	RAYANABOINA RAKESH
69	18U11A0472	SHAIK MASTHAN VALI
70	18U11A0473	SHAIK MULLA MEERA HUSSAIN
71	18U11A0474	SIRIKONDA PAVAN
72	18U11A0475	SRIRANGAM THARUN KUMAR
73	18U11A0477	THUNIKIPATI TEJASWINI
74	18U11A0478	V AMRUTH RAJ KUMAR

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75	18U11A0479	VALLURI SESA PRANEETH
76	18U11A0480	VANAM SRIKAR
77	18U11A0481	ARIFUR RAHMAN MOLLIK
78	18U11A0483	CHEERKA SHIVA PRASAD REDDY
79	18U11A0487	MD.SHUYAEB KHAN
80	18U11A0488	MEKALA BHARGAVI
81	18U11A0491	VESAPOGU LEVIN
82	19U15A0401	AYYAGALLA PAVITHRA
83	19U15A0402	BARLAPATI AMULYA
84	19U15A0403	BHEEMAGONI BHARGAVI
85	19U15A0404	GOMASA RAJESH
86	19U15A0405	K PRIYANKA
87	19U15A0406	MUDAM SUDEEP
88	19U15A0407	NANDIPATA ARAVIND
89	19U15A0408	POKURI RAMA KRISHNA
90	19U15A0409	SEETHA BHARATH KUMAR
91	19U15A0410	YASOJU NIKHIL
92	19U15A0411	ARYA SHIVA SAI PRASAD
93	19U15A0412	GUDUGUNTLA SUSHMITHA
94	19U15A0413	GUNDIMEDA SRI GANESH
95	19U15A0414	HAZARI SAI RAHUL
96	19U15A0415	KODEPAKA SANJAY KUMAR
97	19U15A0416	MANTRI LAXMI TEJA
98	19U15A0417	MOOLA RAJESHWARI
99	19U15A0418	RACHA MANASWINI
100	19U15A0419	REBBA RAMA KRISHNA
101	19U15A0420	SOMESETTY KALYANI
102	19U15A0421	YERRAGUNTLA SANDHYA

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SNO	HNO	14/12	15/12	16/12	17/12	18/12	19/12	21/12	22/12	23/12	24/12	26/12	28/12	29/12	30/12	31/12	1/01	4/01	5/01	6/01	7/01	8/01	9/01	13/01	14/01	20/01	24/01	
35	18U11A0430	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	
36	18U11A0431	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
37	18U11A0432	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	18U11A0433	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	A	P	A	A	P	P	P	P	P	A
39	18U11A0434	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P
40	18U11A0435	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	P	P
41	18U11A0436	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	A
42	18U11A0437	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
43	18U11A0438	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
44	18U11A0439	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
45	18U11A0440	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
46	18U11A0441	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
47	18U11A0442	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P
48	18U11A0444	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
49	18U11A0445	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P
50	18U11A0447	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
51	18U11A0448	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
52	18U11A0449	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P
53	18U11A0450	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
54	18U11A0454	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P
55	18U11A0455	P	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	P
56	18U11A0456	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P
57	18U11A0457	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
58	18U11A0459	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
59	18U11A0460	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P
60	18U11A0463	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
61	18U11A0464	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
62	18U11A0465	A	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
63	18U11A0466	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
64	18U11A0467	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P
65	18U11A0468	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
66	18U11A0469	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
67	18U11A0470	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	A	P
68	18U11A0471	P	A	P	P	P	P	P	P	P	P	A	P	P	A	P	P	A	P	P	P	P	P	P	A	P	A	P
69	18U11A0472	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
70	18U11A0473	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P
71	18U11A0474	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
72	18U11A0475	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P
73	18U11A0477	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P
74	18U11A0478	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	P	P

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75	18U11A0479	P	P	P	P	P	A	D	D	A	A	P	A	P	P	D	A	A	P	P	P	P	P	P	A	P	P	P
76	18U11A0480	P	P	A	P	P	P	P	D	D	D	P	P	P	P	D	D	P	P	P	P	P	P	A	D	P	P	P
77	18U11A0481	P	A	P	P	P	P	P	D	D	P	P	P	P	D	D	P	P	P	P	P	P	A	P	P	P	P	P
78	18U11A0483	P	A	P	P	P	P	P	D	D	P	P	P	P	D	D	P	P	P	P	P	P	P	P	P	P	P	P
79	18U11A0487	P	A	P	P	P	P	P	D	D	P	P	P	P	D	D	P	P	P	P	P	P	P	P	P	P	P	P
80	18U11A0488	P	A	P	P	P	P	P	D	D	P	A	P	P	D	D	P	P	P	P	P	P	A	P	P	A	P	P
81	18U11A0491	P	P	P	P	A	P	D	D	D	P	A	P	A	P	D	P	P	P	P	P	P	P	P	P	A	P	P
82	19U15A0401	P	P	P	P	P	A	D	D	D	P	A	P	A	P	D	P	P	P	P	P	P	P	P	P	P	A	P
83	19U15A0402	P	P	P	P	P	P	P	D	D	D	P	P	P	D	D	P	P	P	P	P	P	A	P	P	P	P	P
84	19U15A0403	P	P	P	P	P	P	P	D	D	D	P	P	P	P	A	D	P	P	A	P	P	P	P	P	A	P	P
85	19U15A0404	P	P	A	P	P	A	A	A	D	D	P	P	P	P	A	D	P	P	P	P	P	P	P	P	A	P	P
86	19U15A0405	P	A	P	P	P	P	A	A	A	D	P	P	A	A	D	P	P	P	P	P	P	P	P	P	P	P	P
87	19U15A0406	P	P	P	P	A	P	A	A	A	D	P	P	P	A	D	P	D	P	P	P	P	P	P	A	P	P	P
88	19U15A0407	P	P	P	P	P	P	A	D	D	D	P	A	P	D	D	A	D	P	P	P	P	P	P	P	P	P	P
89	19U15A0408	A	P	P	P	P	P	D	D	D	A	P	P	P	A	D	P	A	A	P	P	P	P	P	P	P	P	P
90	19U15A0409	P	P	P	P	P	P	D	D	D	A	P	P	P	P	A	D	P	A	A	P	P	P	P	P	P	P	P
91	19U15A0410	A	P	A	P	P	P	D	D	D	D	P	P	P	D	D	D	D	P	P	P	P	P	P	A	P	P	P
92	19U15A0411	P	P	P	A	P	P	D	D	D	D	P	P	P	D	D	P	P	A	P	P	P	P	P	P	P	P	A
93	19U15A0412	P	P	P	P	A	P	D	D	D	D	P	P	P	D	D	P	P	A	P	P	P	P	P	P	P	P	P
94	19U15A0413	P	P	P	P	P	P	D	D	D	D	P	P	P	D	A	D	P	P	P	P	P	P	A	P	P	P	P
95	19U15A0414	P	P	P	P	P	P	D	D	D	D	P	P	P	A	A	D	D	D	P	P	P	P	P	P	P	P	P
96	19U15A0415	P	P	P	A	P	P	A	D	D	D	P	A	P	D	D	P	A	A	P	P	P	P	P	P	P	P	P
97	19U15A0416	P	P	P	P	A	P	A	D	A	D	P	A	P	D	D	P	A	A	P	P	P	P	P	P	P	P	P
98	19U15A0417	P	A	P	P	A	P	P	A	A	D	P	A	P	D	D	A	D	P	P	P	P	A	P	P	P	P	P
99	19U15A0418	P	P	P	P	P	P	D	A	A	A	P	P	P	D	D	A	D	P	P	P	P	P	P	P	P	P	P
100	19U15A0419	A	P	D	P	P	P	D	D	D	D	P	P	P	P	D	D	P	P	P	P	P	P	P	P	P	P	P
101	19U15A0420	P	P	A	P	P	P	D	D	D	D	P	A	P	A	D	D	P	P	P	P	P	P	P	P	P	P	P
102	19U15A0421	P	P	P	P	P	P	D	D	D	D	P	A	P	A	D	D	P	A	P	P	P	P	P	P	P	P	P

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING


CIRCULAR

Date: 08/12/2020

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 14/12/2020 to 22/01/2021 (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-CSE on or before 11/12/2020. Schedule for GATE coaching classes will be issued soon.





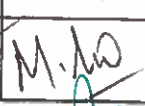



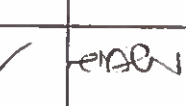
Note:- Bus Facility will be provided from our college premises to Uppal X Road at 06:30 PM.


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.

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: 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

I/O interface (interrupt and DMA mode).

hazards.

Memory hierarchy: cache, main memory and secondary storage;

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.


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ONLINE CLASS LINKS:

DAY	TOPIC COVERED
DAY1	https://meet.google.com/nez-dcmo-bac
DAY2	https://meet.google.com/osd-kboz-eow
DAY 3	https://meet.google.com/ovx-jhuw-qug
DAY 4	https://meet.google.com/gjp-vuvo-tpo
DAY 5	https://meet.google.com/paa-dhbp-gdz
DAY 6	https://meet.google.com/cgh-krfx-zzm
DAY 7	https://meet.google.com/myf-rzif-ztt
DAY 8	https://meet.google.com/hht-mifb-ezi
DAY 9	https://meet.google.com/rqd-bvzw-wtv
DAY 10	https://meet.google.com/ird-cmhq-vso
DAY 11	https://meet.google.com/qms-gtjf-wtt
DAY 12	https://meet.google.com/phs-ckqd-bwy
DAY 13	https://meet.google.com/tqu-zgzs-pmh
DAY 14	https://meet.google.com/qaw-sjik-hcs
DAY 15	https://meet.google.com/pfn-itno-qdn


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DAY 16	https://meet.google.com/xit-xykw-eye
DAY 17	https://meet.google.com/tqu-zgzs-zwe
DAY 18	https://meet.google.com/tqu-zgzs-phx
DAY 19	https://meet.google.com/qae-tgyu-jhy
DAY 20	https://meet.google.com/pfn-itno-qgt
DAY 21	https://meet.google.com/hyy-gyyh-oki


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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

DAY WISE SESSION PLAN

DAY	TOPIC COVERED
DAY 1	Discrete Mathematics: Propositional and first order logic. Sets, relations, functions, partial orders and lattices. Monoids, Groups
DAY 2	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	Mean mode and standard deviation. Conditional probability and Bayes theorem.
DAY 7	Boolean algebra. Combinational and sequential circuits. Minimization. Number representations and computer arithmetic (fixed and floating point).
DAY 8	Machine instructions and addressing modes. ALU, data-path and control unit. Instruction pipelining, pipeline hazards
DAY 9	Memory hierarchy: cache, main memory and secondary storage; I/O interface (interrupt and DMA mode).
DAY 10	Programming in C. Recursion. Arrays, stacks, queues, linked lists, trees, binary search trees, binary heaps, graphs.
DAY 11	Searching, sorting, hashing. Asymptotic worst case time and space complexity.
DAY 12	Algorithm design techniques: greedy, dynamic programming and divide-and-conquer. Graph traversals, minimum spanning trees, shortest paths


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DAY 13	Regular expressions and finite automata. Context-free grammars and push-down automata.
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 communication, concurrency and synchronization.
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); Transport layer: flow control and congestion control, UDP, TCP, sockets; Application layer protocols: DNS, SMTP, HTTP, FTP, Email.


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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

LIST OF REGISTERED STUDENTS

SNO	HNO	NAME OF THE STUDENT
1	16U11A0508	CHITNENI NIKHIL
2	17U11A0505	BANDI SHIREESHA
3	17U11A0510	GOGIKAR SAIKIRAN
4	17U11A0540	PRATHAP AKHIL
5	18C21A0555	KAUSHIK SWAIN
6	18C21A0566	VANTALA SHIVA PRASAD
7	18L71A0503	MD SAMER
8	18U11A0501	ABHISHEK THORAT
9	18U11A0502	APPANI SHOUNAK
10	18U11A0503	B AMULYA SREE
11	18U11A0504	BANDI NIRISHA
12	18U11A0505	BATHINI ARIHANT MADHAV
13	18U11A0506	BOPPARAM SAMPADA
14	18U11A0507	BUDDAMOLLA RATNAKAR REDDY
15	18U11A0508	CHEKKARA SHRIJANI
16	18U11A0509	CHERUKUMILLI SURYA PRAJWAL
17	18U11A0510	GARA SANNIHITHA
18	18U11A0511	GOUTI SUSHMA
19	18U11A0512	GUNDARAPU DEEPTANSHU
20	18U11A0513	GURRAM SREENATH
21	18U11A0514	GYARA MEGHANA
22	18U11A0515	K L SANDEEP SAI
23	18U11A0516	KALIDINDI VAMSI KRISHNA
24	18U11A0517	LENKALA DINESH KUMAR
25	18U11A0519	MOLLALA SANTHOSH REDDY
26	18U11A0520	NAVAK MOUNIKA
27	18U11A0521	PARKIBANDA S VARSHITHA
28	18U11A0522	PRATHI SAI BHARGAV
29	18U11A0523	PRATIBHA SINGH
30	18U11A0525	SIRIMALLE RUTHWIK
31	18U11A0526	SURENDRAN PRASHANT
32	18U11A0527	SURKANTI SOWMYASREE REDDY
33	18U11A0528	TALLAPRAGADA SUMANVITA

Principal

Samskruti College of Engg. & Technology
Kondapur (V), Ghatkesar (M), Medchal Dist.

34	18U11A0530	VEDEPU SAHITHI
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SNO	HNO	NAME OF THE STUDENT
35	18U11A0531	VELPURI SAI VISHWANATH
36	18U11A0532	B REVANTH
37	18U11A0533	CHINTA PRASANNA
38	18U11A0534	DASARI VIKAS CHANDRA
39	18U11A0537	GADDIPATISANDH YA RANI
40	18U11A0539	NITHYA THAKUR
41	18U11A0540	NITIN RAJ THUMMA
42	18U11A0541	PALUGULA PRAMODH KUMAR
43	18U11A0542	BEJANKI SUMITH
44	18U11A0543	D SAI ROHAN
45	18U11A0546	NALLAM ANUSHA
46	18U11A0547	PAGILLA PRAVEEN REDDY
47	18U11A0548	SINGATHI KAVYA SRI
48	18U11A0550	V AJAY
49	18U11A0551	V NAVEEN
50	19U15A0501	ANNAM VISHAL
51	19U15A0502	DADI YOGITHA
52	19U15A0503	EGA SURENDER
53	19U15A0504	GUNDAVENI SAI KUMAR
54	19U15A0505	PALLAPU ARUNKUMAR
55	19U15A0506	KONNOJU VINAYKUMAR
56	19U15A0507	MAMILLAPALLY VENKATA UDAY
57	19U15A0508	MORUPUTALA HARSHA VARDHAN
58	15U11A0552	BHUKYA HEMANTH NAIK RATHOD
59	16U11A0514	G PRANATHI
60	16U15A0501	ERUPULA RAJU UDAYKIRAN
61	16U15A0506	RAPOLU SRI KANTH REDDY
62	18U15A0510	YAPARLA SUMANTH REDDY

Chanda
CO-ORDINATOR

Chanda
HOD

Chanda
PRINCIPAL

Chanda
Principal
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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: 2020-2021

SNO	HNO	14-Dec	15	16	17	18	21	22	23	24	28	29	30	31	2-Jan	4	5	6	7	8	11	12
1	16U11A0508	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	17U11A0505	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P
3	17U11A0510	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
4	17U11A0540	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
5	18C21A0555	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
6	18C21A0566	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
7	18L71A0503	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
8	18U11A0501	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	18U11A0502	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
10	18U11A0503	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A
11	18U11A0504	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	18U11A0505	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	A	A	P	P	P
13	18U11A0506	A	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P
14	18U11A0507	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
15	18U11A0508	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	18U11A0509	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	A	P	P	P
17	18U11A0510	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	18U11A0511	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A
19	18U11A0512	P	P	P	P	P	P	P	A	A	P	P	P	A	P	P	P	P	P	A	P	P
20	18U11A0513	P	A	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
21	18U11A0514	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	18U11A0515	P	P	A	A	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
23	18U11A0516	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
24	18U11A0517	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
25	18U11A0519	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
26	18U11A0520	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	18U11A0521	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
28	18U11A0522	P	P	P	P	P	P	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P
29	18U11A0523	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
30	18U11A0525	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P
31	18U11A0526	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	18U11A0527	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P	P
33	18U11A0528	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
34	18U11A0530	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A
35	18U11A0531	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
36	18U11A0532	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	18U11A0533	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
38	18U11A0534	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
39	18U11A0537	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P

40	18U11A0539	P	P	A	P	P	A	P	P	P	P	A	P	P	P	A	A	A	P	P	P	A
41	18U11A0540	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	18U11A0541	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P
43	18U11A0542	P	P	P	A	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P
44	18U11A0543	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
45	18U11A0546	A	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P
46	18U11A0547	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P
47	18U11A0548	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P
48	18U11A0550	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
49	18U11A0551	P	P	A	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P
50	19U15A0501	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
51	19U15A0502	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
52	19U15A0503	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	A
53	19U15A0504	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P
54	19U15A0505	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
55	19U15A0506	P	P	A	P	P	P	A	P	A	P	P	A	P	P	P	P	P	P	P	P	P
56	19U15A0507	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	A
57	19U15A0508	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
58	15U11A0552	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
59	16U11A0514	P	P	P	A	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P
60	16U15A0501	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	A	P	P	P
61	16U15A0506	P	A	P	P	P	P	P	P	A	P	P	A	P	P	P	A	P	P	P	P	P
62	18U15A0510	A	P	P	A	P	P	P	A	P	A	P	P	P	P	P	P	A	P	P	P	P

Chandra
COORDINATOR

Praveen
HOD

[Signature]
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

REPORT

DATE: 24/01/2021

NAME OF THE PROGRAMME: GATE COACHING CLASSES

DATE: 14/12/2020 to 22/01/2021

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 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 Dharmavaram
2	Digital Logic	Sandeep Kumar Vasa
3	Computer Organization and Architecture	Aluguvelli Kiran Kumar Reddy
4	Programming and Data Structures	Pulime Satyanarayana
5	Algorithms	V Chandrasekhar Sekhar
6	Theory of Computation	Korivi Vamsheekrishna
7	Compiler Design -	Korivi Vamsheekrishna
8	Operating System	Avulla Devi Rajini
9	Databases	P Meena Kumari
10	Computer Networks	Shivaleela Mamillapally

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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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