



REMEDIAL CLASSES

2020-2021

DEPARTMENT OF HUMANITIES AND SCIENCES

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

From
Dean,
Remedial school
GRIET.

To
The HOD
H&S
GRIET

Request for faculty to conduct Remedial classes.

Sir/Madam,

This is to inform you that the Remedial school of GRIET is conducting Remedial classes of Phase-1 through online mode for B. Tech II -year, III- year and IV- year students to clear their backlogs.

To conduct the classes, we request you to nominate two faculty for each of the following subjects in view of the failure rate.

Course title	No. of students having backlogs	Date & Timings	Name of the faculty	Mobile number	Name of the faculty	Mobile number
Differential Equations and Vector Calculus	II Year - 251 III Year - 136	7-12 June 2021 (3.30-4.30)	Dr.G. Swapna	9959783219	M V Sreekanth Reddy	9849086204
Programming for Problem Solving	II Year – 144 III Year - 52	7-12 June 2021 (4.45-5.45)	D.Suguna Kumari	9390788614	P. Rajesh	9703758158
Probability and Statistics	II Year – 103 III Year - 50	14-19 June 2021 (3.30-4.30)	S. Bhagath Kumar	9290557618	Dr V.N. Ramadevi	9490145046
Engineering Graphics	II Year – 186 III Year - 48	14-19 June 2021 (4.45-5.45)	K Ratnababu	8886444469	K.Ratnababu	8886444469
Basic Electrical Engineering	II Year – 110 III Year - 27	21-26 June 2021 (3.30-4.30)	D. Karuna Kumar	9959493737	D. Karuna Kumar	9959493737
Engineering Chemistry	II Year – 88 III Year - 30	21-26 June 2021 (4.45-5.45)	M.Haritha Kiranmai	9966375049	Bh. Saroja Rani	7780117821
Linear Algebra and Differential Calculus	II Year – 81 III Year - 30	28 June -3 July 2021 (3.30-4.30)	S Rama	7702645454	A Srihari	9640588891
Applied Physics	II Year – 75 III Year - 32	28 June -3 July 2021 (4.45-5.45)	Dr.K.Vagdevi	9885667090	G.Kalpana	8106085891

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Dean, Remedial School



Gokaraju Rangaraju Institute of Engineering and Technology

Remedial School

Remedial Classes Schedule

7th June to 12th June 2021 - B.Tech II& III Year Students

Timing: DEVC: 3.00 – 4.00pm

PPS : 4.30 – 5.30pm

S.No	Year	Subject	Name of the Faculty	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6
1	II & III	Differential Equations and Vector Calculus (GR18A1002)	Dr. G.Swapna (9959783219)	7/06/2021	8/06/2021	9/06/2021	10/06/2021	11/06/2021	12/06/2021
2	II & III	Programming for Problem Solving (GR18A1007)	D.Suguna Kumari & P. Rajesh	7/06/2021	8/06/2021	9/06/2021	10/06/2021	11/06/2021	12/06/2021

(H&S-HOD)

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GokarajuRangaraju Institute of Engineering and Technology

Remedial School

Remedial Classes Schedule

14th June to 19th June 2021 - B.TechII& III Year Students

Timing: P&S : 3.00 – 4.00pm

EG: 4.30 – 5.30pm

S.No	Year	Subject	Name of the Faculty	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6
1	II &III	Probability and Statistics	S. Bhagath Kumar (9290557618)	14/06/2021	15/06/2021	16/06/2021	17/06/2021	18/06/2021	19/06/2021
2	II & III	Engineering Graphics	K. Ratnababu (8886444469)	14/06/2021	15/06/2021	16/06/2021	17/06/2021	18/06/2021	19/06/2021

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Remedial School

Remedial Classes Schedule

28th Juneto 3rd July 2021 - B.TechII& III Year Students

Timing:AP:6.00 – 7.00pm

BEE: 7.00 – 8.00 pm

S.No	Year	Subject	Name of the Faculty	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6
1	II &III	Applied Physics	Dr. K.Vagdevi (9885667090)	28/06/2021	29/06/2021	30/06/2021	01/07/2021	02/07/2021	03/07/2021
2	II & III	Basic Electrical Engineering	D. Karuna Kumar (9959493737)	28/06/2021	29/06/2021	30/06/2021	01/07/2021	02/07/2021	03/07/2021

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GokarajuRangaraju Institute of Engineering and Technology

Remedial School

Remedial Classes Schedule

21st Juneto 26th June 2021 - B.TechII& III Year Students

Timing: EC :5.00 – 6.00pm

LADC: 6.00 – 7.00 pm

S.No	Year	Subject	Name of the Faculty	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6
1	II &III	Engineering Chemistry	M. Haritha Kiranmai (9966375049)	21/06/2021	22/06/2021	23/06/2021	24/06/2021	25/06/2021	26/06/2021
2	II & III	Linear Algebra and Differential Calculus	S. Rama (7702645454)	21/06/2021	22/06/2021	23/06/2021	24/06/2021	25/06/2021	26/06/2021

(H&S-HOD)

Dean, Remedial School



Gokaraju Rangaraju Institute of Engineering & Technology

I B.Tech:2020-2021

Autonomous

Subject: DEVC

S. No.	ROLL.NO	07-06-2021	08-06-2021	09-06-2021	10-06-2021	11-06-2021	12-06-2021	RESULT
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6	19241A12A4	P	A	P	P	P	P	P
7	19241A12A9	P	P	P	P	P	P	F
8	19241A12C0	P	P	P	P	P	P	P
9	19241A12D1	A	A	A	A	A	P	F
10	19241A12E2	P	P	A	A	P	P	P
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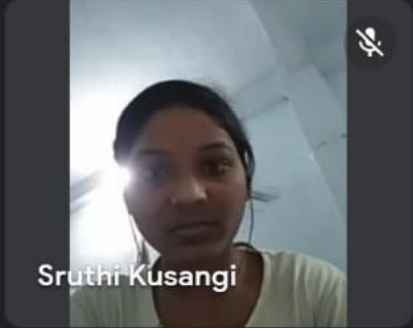
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122	19241A04Q8	P	P	P	A	P	A	P
123	19241A04R5	P	P	P	P	P	P	P
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125	19241A04S6	A	A	P	A	A	A	F
126	19241A04S9	A	P	A	A	A	A	F
127	19241A05J1	P	P	P	P	P	P	P
128	19241A05O7	P	P	A	P	P	P	F
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131	18241A1220	A	A	A	A	A	A	F
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137	19241A1206	P	P	P	P	P	A	P
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140	19241A1222	A	A	A	A	A	P	F
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144	19241A1264	A	P	P	P	P	P	P

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GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Remedial School

Faculty Report on Subject

DEVC

UNIT I

ORDINARY DIFFERENTIAL EQUATIONS OF THE FIRST ORDER

LDE of the first order: Solution of Exact, Linear and Bernoulli equations, modeling Newton's law of cooling, growth and decay models, modeling of R-L circuit

UNIT II

ORDINARY DIFFERENTIAL EQUATIONS OF HIGHER ORDER

LDE with constant coefficients: Complementary function, over damping, under damping and critical damping of a system, Particular integrals for $f(x)$ of the form e^{ax} , x^n , $\cos ax$, $\sin ax$, $e^{ax}V(x)$ and $xV(x)$ where $V(x) \equiv \cos ax$ and $\sin ax$, the method of variation of parameters, LDE with variable coefficients: Cauchy's homogeneous equation, Legendre's homogeneous equations

UNIT III

MULTIPLE INTEGRALS

Double integrals: Evaluation of Double Integrals, change of order of integration (only Cartesian form), change of variables (Cartesian and polar coordinates)

Triple Integrals: Evaluation of triple integrals, Change of variables (Cartesian to Spherical and Cylindrical polar coordinates)

Applications: Area using the double integral –Volume of a solid using the double and triple integral- Mass, Center of mass and Center of gravity using double and triple integrals

UNIT IV

VECTOR DIFFERENTIATION AND LINE INTEGRATION

Vector differentiation: Scalar and vector point functions, Concepts of gradient, divergence and curl of functions in cartesian framework, solenoidal field, irrotational field, scalar potential

Vector line integration: Evaluation of the line integral, concept of work done by a force field, Conservative fields

UNIT V

SURFACE INTEGRATION AND VECTOR INTEGRAL THEOREMS

Surface integration: Evaluation of surface and volume integrals, flux across a surface

Vector integral theorems: Green's, Gauss and Stokes theorems (without proof) and their applications

II. Previous Question Papers Discussed

III. Material Shared with Students

IV. Classes are Conducted for Doubts Clarifications



Gokaraju Rangaraju Institute of Engineering and Technology

Remedial School

Student's Feedback on Remedial classes

Branch:H&s
Subject:DEVC

Year:20-21

Semester:II

Faculty Name: Dr.G. Swapna

S.No	Item	Feed back
1.	Material presented	Excellent
2.	Teaching Clarity	Very Good
3.	Coverage of important topics	Excellent
4.	Doubts clarification	Excellent

Suggestions: Nil

(H&S-HOD)

Dean, Remedial School



Gokaraju Rangaraju Institute of Engineering & Technology

I B.Tech:2020-2021

Autonomous

Subject: PPS

S.NO	Roll.NO	07-06-2021	08-06-2021	09-06-2021	10-06-2021	11-06-2021	12-06-2021	Result
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3	18241A0262	P	P	P	P	P	P	P
4	18241A02B1	P	P	P	P	P	P	P
5	18241A02C0	P	P	P	P	P	P	P
6	18241A0445	P	A	P	P	P	P	P
7	18241A0487	P	P	P	P	P	P	P
8	18241A04B1	P	P	P	P	P	P	P
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14	18241A04M8	P	P	P	P	P	P	P
15	18241A04O2	P	P	P	P	P	P	P
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30	18241A12H7	P	P	A	A	P	P	P
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GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Remedial School

Faculty Report on Subject

PPS

UNIT I

Introduction to Programming: Introduction to Algorithms: Representation of Algorithm, Flowchart, Pseudo code with examples, Compiling & executing program, Syntax and logical errors.

Introduction to C Programming Language: Structure of c program, Variables, Data types, Constants, Operators, Expressions and precedence, Expression evaluation, Type conversion.

I/O: Simple input and output with formatted I/O and unformatted I/O.

UNIT II

Decision Making and Arrays: Conditional Branching and Loops: Conditional branching with if, if-else, nested if-else, else if ladder, switch-case, Loops: for, while, do-while, Jumping statements: goto, break, continue.

Arrays: One and Two dimensional arrays, creating, Accessing and manipulating elements of arrays

Searching: Basic searching in an array of elements, Linear and Binary search.

UNIT III

Strings and Functions: Strings: Introduction to strings, Operations on characters, Basic string functions available in C (strlen, strcat, strcpy, strcmp, strstr), String operations without string handling functions, Arrays of strings.

Functions: Designing structured programs, declaring a function, Signature of a function, Parameters and return type of a function (categories of functions), call by value, call by reference, passing arrays to functions, recursion, merits and demerits of recursive functions, Storage classes.

UNIT IV

Pointers and Structures: Pointers: Idea of pointers, Defining pointers, Pointer to pointer, void pointer, Null pointer, Pointers to Arrays and Structures, Function pointer.

Structures and unions: Defining structures, Initializing Structures, Array of structures, Arrays within structures, Nested structures, Passing structures to functions, Unions, typedef.

UNIT V

File handling and Preprocessor in C:

Files: Text and Binary files, Creating and Reading and writing text and binary files, Random access to files, Error Handling in files, Command line arguments, Enumeration data type.

Preprocessor: Commonly used Preprocessor commands like include, define, undef, if, ifdef, ifndef, elif.

II. Previous Question Papers Discussed

III. Material Shared with Students

IV. Classes are Conducted for Doubts Clarifications

REC

G G Sattya Vilkrama Reddy	V Vallipalli Sri Bhargava Sai	K Kamareddy Akshay	N N Siddharth Chowdary	M Medari Vikram Aditya M	B Budagam Harshith B
G Gottemukkala Govardha...	K Kurra Neeraj Prasad K	D Deepika Boddu	M Moniesh Reddy Sunkara M	M Moniesh Reddy Sunkara M	You

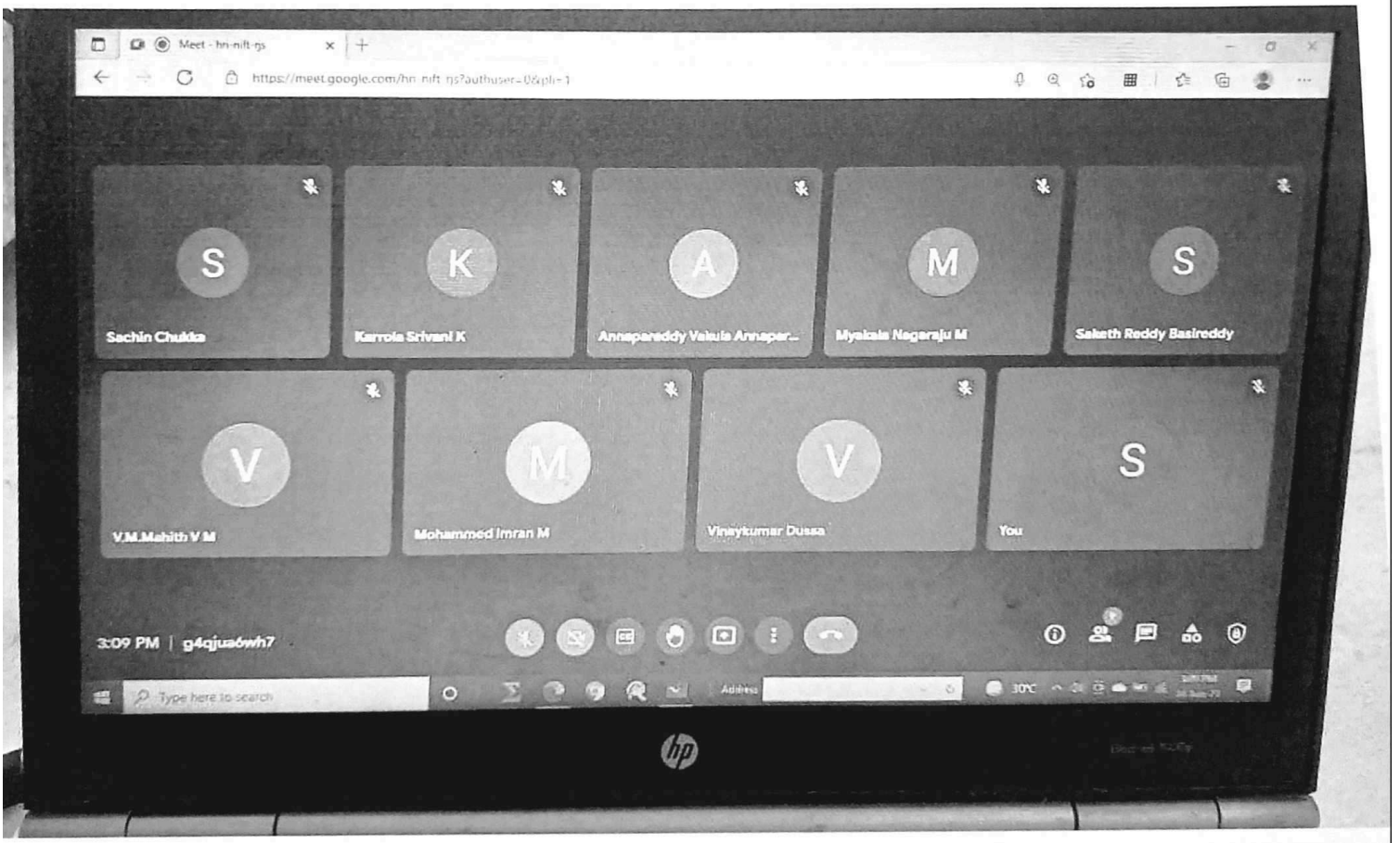
4:43 PM | xio-avko-zsi

Microphone, Video, Chat, Hand, Screen, More, End Call

Info, Participants (12), Chat, Screen, Home

Type here to search

Taskbar icons: File Explorer, Edge, Word, PowerPoint, OneDrive, etc.





Gokaraju Rangaraju Institute of Engineering and Technology
Remedial School

Student's Feedback on Remedial classes

Branch:H&S
Subject:PPS

Year:20-21

Semester:I

Faculty Name: D.Suguna Kumari

S.No	Item	Feed back
1.	Material presented	Excellent
2.	Teaching Clarity	Very Good
3.	Coverage of important topics	Excellent
4.	Doubts clarification	Excellent

Suggestions: Nil

(H&S-HOD)

Dean, Remedial School



Gokaraju Rangaraju Institute of Engineering & Technology

I B.Tech:2020-2021

Autonomous

Subject: EG

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GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Remedial School

Faculty Report on Subject

Engineering Graphics

Unit I

Introduction to Engineering Graphics: Principles of Engineering Graphics and their Significance; **Conic Sections**- ellipse, parabola and hyperbola – General method only. **Cycloidal curves** –cycloid, epi-cycloid and hypo-cycloid; **Scales**– plain and diagonal.

Unit II

Projections of Points, Lines and Planes: Introduction to principal planes of projections, **Projections of the points** located in same quadrant and different quadrants, **Projections of line** with its inclination to one reference plane and with two reference planes. True length and inclination with the reference planes. **Projections of regular planes** (polygons, circle and Square etc.,) with its inclination to one reference plane and with two reference planes, Concept of auxiliary plane method for projections of the plane.

Unit III

Projections of solids (regular and right solids only) - Classification of solids, Projections of solids (Cylinder, Cone, Pyramid and Prism) **Intersection of solids** – concept of lines of intersection and curves of intersection, intersection of solids (Prism Vs Prism and Cylinder Vs Cylinder) with their axes perpendicular to each other.

Unit IV

Section of solids – Sectional views of solids (Cylinder, Cone, Pyramid and Prism) and the true shape of the section, **Development of surfaces**- Development of surfaces of solids (Cylinder, Cone, Pyramid and Prism).

Unit V

Orthographic Projections: Fundamental of projection along with classification, Projections from the pictorial view of the object on the principal planes for view from front, top and sides using first angle projection method and third angle projection method;

Isometric Projections and Isometric View: Principles of Isometric Projection – Isometric Scale – Isometric Views –Conventions – Isometric Views of Lines, Plane Figures, Simple and Compound Solids – Isometric Projection of objects having non- isometric lines. Isometric Projection of Spherical Parts, Conversion of Isometric Views to Orthographic Views and Vice-versa –Conventions

II. Previous Question Papers Discussed

III. Material Shared with Students

IV. Classes are Conducted for Doubts Clarifications



Gokaraju Rangaraju Institute of Engineering and Technology
Remedial School

Student's Feedback on Remedial classes

Branch:

Year:

Semester:

Subject:EG

Faculty Name: K Ratnababu

S.No	Item	Feed back
1.	Material presented	Excellent
2.	Teaching Clarity	Very Good
3.	Coverage of important topics	Excellent
4.	Doubts clarification	Excellent

Suggestions: Nil

(H&S-HOD)

Dean, Remedial School



Gokaraju Rangaraju Institute of Engineering & Technology

I B.Tech:2020-2021

Autonomous

Subject: BEE

Roll No	28-06-2021	29-06-2021	30-06-2021	01-07-2021	02-07-2021	03-07-2021	RESULT
14241A03C6	P	P	P	P	P	P	P
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16241A05W2	P	P	P	P	P	P	P
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19241A05W1	P	P	P	P	P	P	P
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19241A05Z6	A	A	A	A	A	A	F
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19241A12A9	P	P	P	P	P	P	P
19241A12D1	A	A	A	A	A	A	F
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19241A12E6	P	P	P	P	P	P	P
19241A12G1	P	P	P	P	P	P	P
19241A12G8	P	P	P	P	P	P	P

Meet - BEE CLASS
PLAYING

https://meet.google.com/igq-tpf-bak

Import bookmarks... EEE | GRIET - Newton... Classes - Meet links to... Inbox - karuna760@gn... Newton Classroom MATLAB R2020a Free... Matenal for RS - Goog... Staff Sheet | GRIET - AL...

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Series Circuits

BASIC SERIES CIRCUIT

SERIES CIRCUIT WITH FOUR RESISTORS

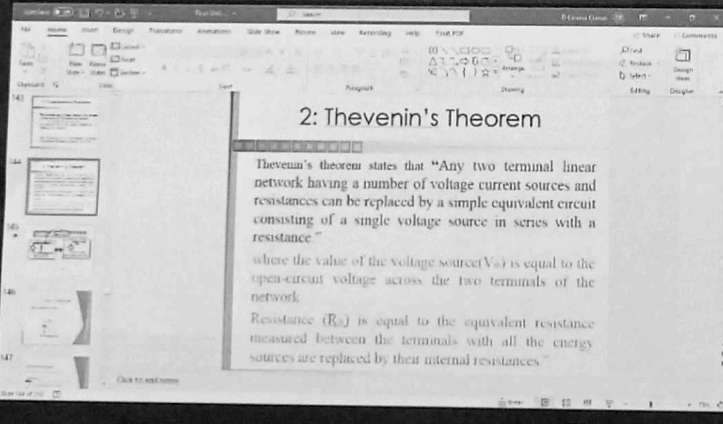
SERIES CIRCUIT WITH TWO RESISTORS

M Mounika N	S Sai Pranesh Bo...	A Aamani Katuri	S Sai Pradeep Go...
V Vasu Dev Vidiya...	B Bhaavan Sai Ra...	R Rudreshwar Go...	L Lakshmi Kanth P
J Jyoshna Viswa...	T Thanush Reddy ...	V Y 2 others	K You

9:46 AM | BEE CLASS

09:46 11-09-2021

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2: Thevenin's Theorem

Thevenin's theorem states that "Any two terminal linear network having a number of voltage current sources and resistances can be replaced by a simple equivalent circuit consisting of a single voltage source in series with a resistance."

where the value of the voltage source(V_{th}) is equal to the open-circuit voltage across the two terminals of the network.

Resistance (R_{th}) is equal to the equivalent resistance measured between the terminals with all the energy sources are replaced by their internal resistances."

- | | | | |
|-----------------------|-------------------------|-----------------------|------------------------|
| M
Mounika N | S
Sai Praneeth Bo... | A
Aamani Katuri | B
Bhaavan Sai Ra... |
| R
Rudreshwar Go... | B
Bhaavan Sai Ra... | M
Meghana Karna... | L
Lakshmi Kanth P |
| J
Jyoshna Viswa... | A
Abdul Feroze | Y V
3 others | K
You |

Meet - BEE CLASS
PLAYING

https://meet.google.com/fgp-tfjy-bgk

Import bookmarks... EEE | GRIET - Newton... Classes - Meet links to... Inbox - kanuna760@gr... Newton Classroom MATLAB R2020a Free... Material for RS - Goog... Staff Sheet | GRIET - AI...

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Basic Laws of Circuits

Kirchhoff's Current Law

As a consequence of the Law of the conservation of charge, we have:

- The sum of the currents entering a node (junction) is equal to the sum of the currents leaving.

$I_a + I_b = I_c + I_d$

I_a , I_b , I_c , and I_d can each be either a positive or a negative number.

Bhaavan Sai Ram Jeebula has left the meeting

M Mounika N	M Meghana Karnam	L Lakshmi Kanth P
R Rudreshwar Goud ...	A Aamani Katuri	A Abdul Feroze
B Bhaavan Sai Ram J...	Y V 2 others	K You

10:28 AM | BEE CLASS

10:28 11-09-2021



Gokaraju Rangaraju Institute of Engineering and Technology

Electrical and Electronics Engineering

Remedial Classes Report

I B.Tech I Sem & II Sem

Faculty Report on Subject

Subject: Basic Electrical Engineering

Unit-1: Discussed about the electrical circuit & theorems & analysis of simple circuits with dc excitation.

Unit-2: Explain about Analysis of single-phase AC circuits & resonance in series RLC circuit and three phase circuits

Unit-3: Discussed about I: DC Machines and transformers & Autotransformer and three-phase transformer connections.

Unit-4: Explain about Construction and working of AC Machines & Construction and working of synchronous generators.

Unit-5: Discussed about Components of LT Switchgear Types of Wires and Cables, Earthing. Types of Batteries

II. Previous question papers

III. Notes or PPTs



Gokaraju Rangaraju Institute of Engineering and Technology
Remedial School

Student's Feedback on Remedial classes

Branch:

Year:

Semester:

Subject:BEE

Faculty Name: D. Karuna Kumar

S.No	Item	Feed back
1.	Material presented	Excellent
2.	Teaching Clarity	Very Good
3.	Coverage of important topics	Excellent
4.	Doubts clarification	Excellent

Suggestions: Nil

(H&S-HOD)

Dean, Remedial School



Gokaraju Rangaraju Institute of Engineering & Technology

I B.Tech:2020-2021

Autonomous

Subject: EC

EC	21-06-2021	22-06-2021	23-06-2021	24-06-2021	25-06-2021	26-06-2021	RESULT
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(7) WhatsApp Meet - guf-opam-nhr

meet.google.com/guf-opam-nhr?pli=1&authuser=1

Apps One Cognizant Gmail Newskip | Parent... net Speed Test 2018-2019 pps att... YouTube M ea G worksheet for clas... Reading list

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31°C Mostly cloudy 5:37 PM 6/22/2021

(3) WhatsApp Meet - guf-opam-nhr

meet.google.com/guf-opam-nhr?pli=1&authuser=1

Apps One Cognizant Gmail Newskip | Parent... net Speed Test 2018-2019 pps att... YouTube M ea G worksheet for clas... Reading list

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meet.google.com/guf-opam-nhr?pli=1&authuser=1

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Stop presenting Ignore

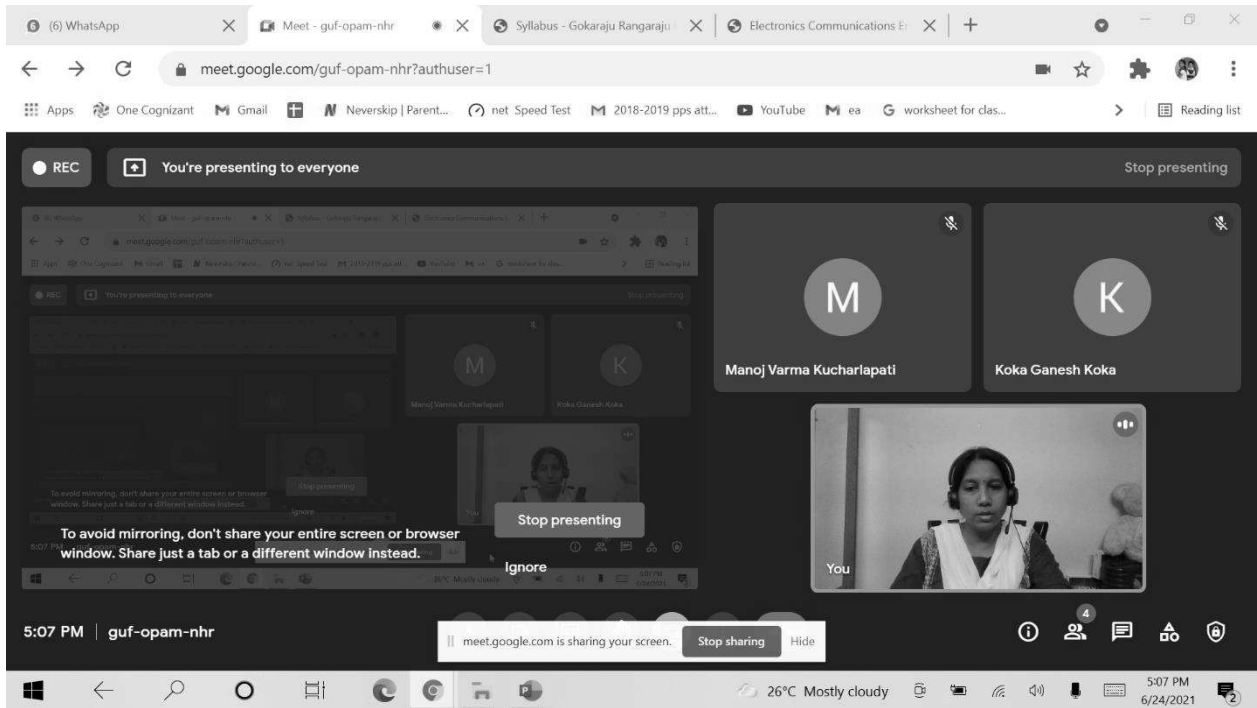
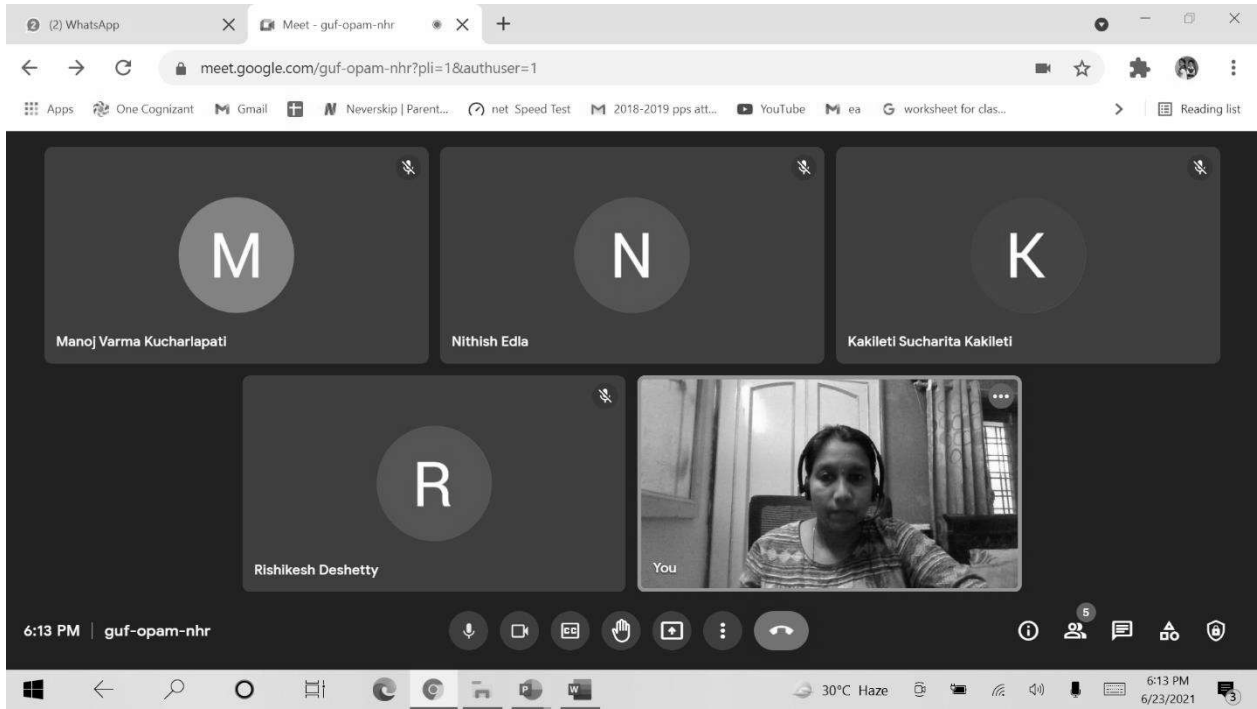
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Rishikesh Deshetty

You

5:52 PM | guf-opam-nhr

29°C Haze 5:52 PM 6/23/2021



GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Remedial School

Faculty Report on Subject

I. Engineering Chemistry

Unit I : Atomic and Molecular Structure

Atomic and molecular orbitals, Linear Combination of Atomic Orbitals (LCAO), Molecular orbitals of homo-nuclear diatomic molecules, MO energy diagrams of N₂, and O₂.

Metallic bonding, Valence Bond Theory, Crystal Field Theory, Crystal Field Splitting of transition metal ion d-orbitals in tetrahedral, octahedral, and square planar geometries.

Unit II: Spectroscopic Techniques and Applications

Regions of electromagnetic spectrum, Atomic and molecular spectroscopy

Rotational Spectroscopy: Rotation of molecules, rotational spectra of rigid diatomic molecules, selection rules.

Vibrational Spectroscopy: The vibrating diatomic molecule, simple and anharmonic oscillators of a diatomic molecule, selection rules, applications of IR spectroscopy.

Nuclear Magnetic Resonance: Basic concepts of NMR, Chemical shift. Magnetic resonance Imaging

Unit III: Electrochemistry and Corrosion

Electrochemistry: Electrode potential, types of electrodes: calomel and glass electrodes- construction and working, electrochemical series and applications, electrochemical cells: Galvanic & electrolytic cells, Nernst equation- applications, numerical problems, Batteries: primary and secondary types, lithium metal, lithium ion and lead acid batteries. Fuel cells: hydrogen-oxygen fuel cell - applications and advantages.

Corrosion: Definition, causes and effects of corrosion, Theories of chemical and electro chemical corrosion with mechanism, Types of corrosion - Galvanic, concentration cell and pitting corrosions, factors affecting corrosion (Nature of metal & Nature of Environment), corrosion control methods: Proper designing, cathodic protection (sacrificial anodic and impressed current), Metallic coatings: Hot dipping- Galvanization and tinning, electroplating, electroless plating of nickel.

Unit IV : Engineering Materials and Water Technology

Semiconductors: Si and Ge, preparation, purification and crystal growth by zone refining and Czochralski pulling methods, doping.

Polymeric Materials: plastics-classification, types of polymerization, properties of polymers-crystallinity, melting and boiling points, glass transition temperature, viscoelasticity. Compounding and fabrication by compression moulding and injection moulding, conducting polymers – definition, classification, application.

Water: impurities, hardness- causes of hardness, types, Units. Boiler troubles- scales and sludges, caustic embrittlement, water purification by reverse osmosis (RO) method.

Unit V: Stereochemistry and Energy Resources

Stereo chemistry: Structural isomers and stereoisomers, representations of 3D structures, configurations and symmetry, chirality, enantiomers, diastereomers, optical activity, conformational analysis of n-butane. Structure, synthesis and pharmaceutical applications of paracetamol and aspirin.

Energy sources: Fossil Fuels: Coal –types, analysis of coal- proximate and ultimate analysis and their significance, Petroleum-its composition-synthetic petrol – Fischer Tropsch's process, cracking Definition and its significance, knocking and its mechanism in Internal Combustion engines, Octane rating and cetane number. Composition and Uses of Natural gas, LPG and CNG.

II. Previous Question Papers Discussed.

III. Material shared with students.

IV. Classes are conducted for Doubts Clarification.



Gokaraju Rangaraju Institute of Engineering and Technology
Remedial School

Student's Feedback on Remedial classes

Branch:

Year:

Semester:

Subject:EC

Faculty Name: M.Haritha Kiranmai

S.No	Item	Feed back
1.	Material presented	Excellent
2.	Teaching Clarity	Very Good
3.	Coverage of important topics	Excellent
4.	Doubts clarification	Excellent

Suggestions: Nil

(H&S-HOD)

Dean, Remedial School



Gokaraju Rangaraju Institute of Engineering & Technology

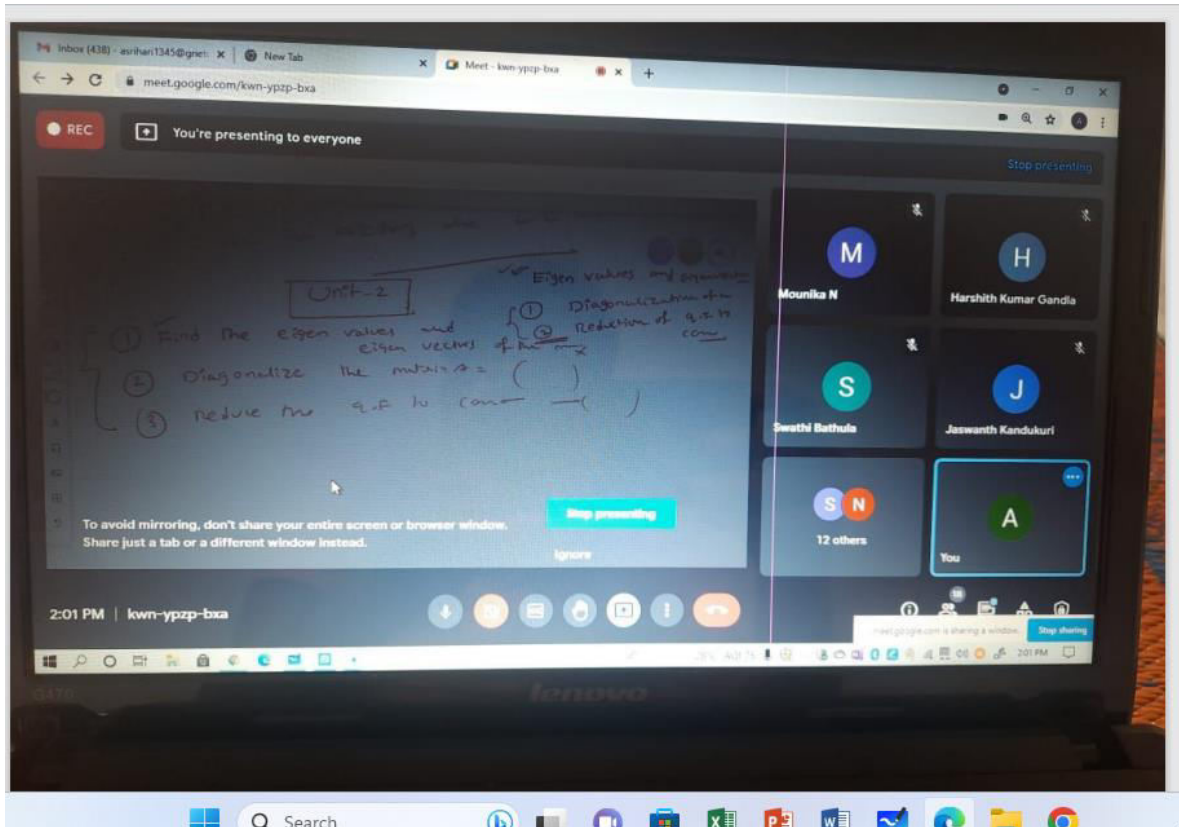
I B.Tech:2020-2021

Autonomous

Subject: LADC

LADC	21-06-2021	22-06-2021	23-06-2021	24-06-2021	25-06-2021	26-06-2021	RESULT
18241A0151	P	P	P	P	P	P	P
19241A0106	P	P	P	P	P	P	P
19241A0113	P	P	P	P	P	P	P
19241A0125	P	P	P	P	P	P	P
19241A0140	P	P	P	P	P	P	P
19241A0141	A	A	A	A	A	A	F
19241A0146	P	P	P	P	P	P	P
19241A0151	A	A	A	A	A	A	F
19241A0156	A	A	A	A	A	A	F
19241A0159	A	A	A	A	A	A	F
19241A0172	P	P	P	P	P	P	P
19241A0176	A	A	A	A	A	A	F
19241A0194	P	P	P	P	P	P	P
18241A0249	A	A	A	A	A	A	F
19241A0254	P	P	P	P	P	P	P
19241A0259	P	P	P	P	P	P	P
19241A0260	P	P	P	P	P	P	P
19241A0273	A	A	A	A	A	A	F
19241A0294	P	P	P	P	P	P	P
19241A0297	P	P	P	P	P	P	P
19241A0317	P	P	P	P	P	P	P
19241A0324	A	A	A	A	A	A	F
19241A0332	P	P	P	P	P	P	P
19241A0352	P	P	P	P	P	P	P
19241A0401	P	P	P	P	P	P	P
19241A0479	A	A	A	A	A	A	F
19241A0483	P	P	P	P	P	P	P
19241A0485	P	P	P	P	P	P	P
19241A0496	A	A	A	A	A	A	F
19241A04A5	P	P	P	P	P	P	P
19241A04B1	P	P	P	P	P	P	P
19241A04B5	A	A	A	A	A	A	F
19241A04D6	P	P	P	P	P	P	P
19241A04F5	P	P	P	P	P	P	P
19241A04G4	P	P	P	P	P	P	P
19241A04H0	A	A	A	A	A	A	F
19241A04I2	A	A	A	A	A	A	F
19241A04P0	P	P	P	P	P	P	P
19241A04P4	A	A	A	A	A	A	F
19241A04Q4	P	P	P	P	P	P	P
19241A04S2	A	A	A	A	A	A	F
19241A04T1	P	P	P	P	P	P	P
19241A0591	P	P	P	P	P	P	P
19241A0592	P	P	P	P	P	P	P
19241A05M4	P	P	P	P	P	P	P
19241A05N7	P	P	P	P	P	P	P
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19241A05U9	P	P	P	P	P	P	P
19241A05Z6	P	P	P	P	P	P	P
18241A1223	P	P	P	P	P	P	P

18241A1228	P	P	P	P	P	P	P
18241A12A8	A	A	A	A	A	A	F
19241A1268	A	A	A	A	A	A	F
19241A1281	A	A	A	A	A	A	F
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19241A1299	P	P	P	P	P	P	P
19241A12A2	P	P	P	P	P	P	P
19241A12A4	P	P	P	P	P	P	P
19241A12A9	P	P	P	P	P	P	P
19241A12C3	A	A	A	A	A	A	F
19241A12D2	P	P	P	P	P	P	P
19241A12E3	A	A	A	A	A	A	F
19241A12E4	P	P	P	P	P	P	P
19241A12G1	P	P	P	P	P	P	P
19241A12G9	P	P	P	P	P	P	P
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18241A01B0	P	P	P	P	P	P	P
18241A01B4	P	P	P	P	P	P	P
18241A0209	P	P	P	P	P	P	P
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18241A0386	P	P	P	P	P	P	P
18241A0443	P	P	P	P	P	P	P
18241A0445	P	P	P	P	P	P	P
18241A0478	P	P	P	P	P	P	P
18241A0487	P	P	P	P	P	P	P
18241A04B1	P	P	P	P	P	P	P
18241A04O2	P	P	P	P	P	P	P
18241A04R6	P	P	P	P	P	P	P
18241A04T6	P	P	P	P	P	P	P
18241A04T8	P	P	P	P	P	P	P
18241A0537	P	P	P	P	P	P	P
18241A0575	P	P	P	P	P	P	P
18241A05B3	P	P	P	P	P	P	P
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18241A1255	P	P	P	P	P	P	P
18241A1280	P	P	P	P	P	P	P
18241A1289	P	P	P	P	P	P	P
18241A12G6	P	P	P	P	P	P	P
18241A12G9	P	P	P	P	P	P	P



Gokaraju Rangaraju Institute of Engineering and Technology
Remedial school

Faculty Report on Subject

I. LINEAR ALGEBRA AND DIFFERENTIAL CALCULUS

UNIT-I: VECTOR AND MATRIX ALGEBRA

Vector space (definition and examples), linear independence of vectors, orthogonality of vectors, projection of vectors, Gram-Schmidt orthonormalization of vectors

Symmetric, Hermitian, skew-symmetric, skew-Hermitian, orthogonal and unitary matrices; Rank of a matrix by echelon reduction, Solution of a linear algebraic system of equations (homogeneous and non-homogeneous)

UNIT-II: MATRIX EIGENVALUE PROBLEM AND QUADRATIC FORMS

Determination of eigenvalues and eigenvectors of a matrix, properties of eigenvalues and eigenvectors (without proof), diagonalization of a matrix, orthogonal diagonalization of symmetric matrices, Similarity of matrices

Quadratic forms: Definiteness and nature of a quadratic form, reduction of quadratic form to canonical forms by orthogonal transformation

UNIT-III: MATRIX DECOMPOSITION AND PSEUDO INVERSE OF A MATRIX

Spectral decomposition of a symmetric matrix, L-U decomposition, Q-R factorization, Singular value decomposition

Moore-Penrose pseudo inverse of a matrix, least squares solution of an over determined system of equations using pseudo inverse

UNIT-IV: MULTIVARIABLE DIFFERENTIAL CALCULUS AND FUNCTION OPTIMIZATION

Partial Differentiation: Total derivative. Jacobian; Functional dependence. Unconstrained optimization of functions using the Hessian matrix, constrained optimization using Lagrange multiplier method

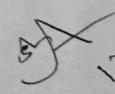
UNIT-V: SINGLE VARIABLE CALCULUS

Mean value theorems: Rolle's Theorem, Lagrange's Mean value theorem and Taylor's theorem (without proof), their geometrical interpretation, approximation of a function by Taylor's series, Applications of definite integrals to evaluate surface areas and volumes of revolutions of curves (for Cartesian coordinates).

II. Previous Question Papers Discussed.

III. Material shared with the students.

IV. Classes are conducted for Doubts clarification.


1345



Gokaraju Rangaraju Institute of Engineering and Technology
Remedial School

Student's Feedback on Remedial classes

Branch:
Subject:LADC
Year:
Faculty Name: S Rama
Semester:

S.No	Item	Feed back
1.	Material presented	Excellent
2.	Teaching Clarity	Very Good
3.	Coverage of important topics	Excellent
4.	Doubts clarification	Excellent

Suggestions: Nil

(H&S-HOD)

Dean, Remedial School



Gokaraju Rangaraju Institute of Engineering & Technology

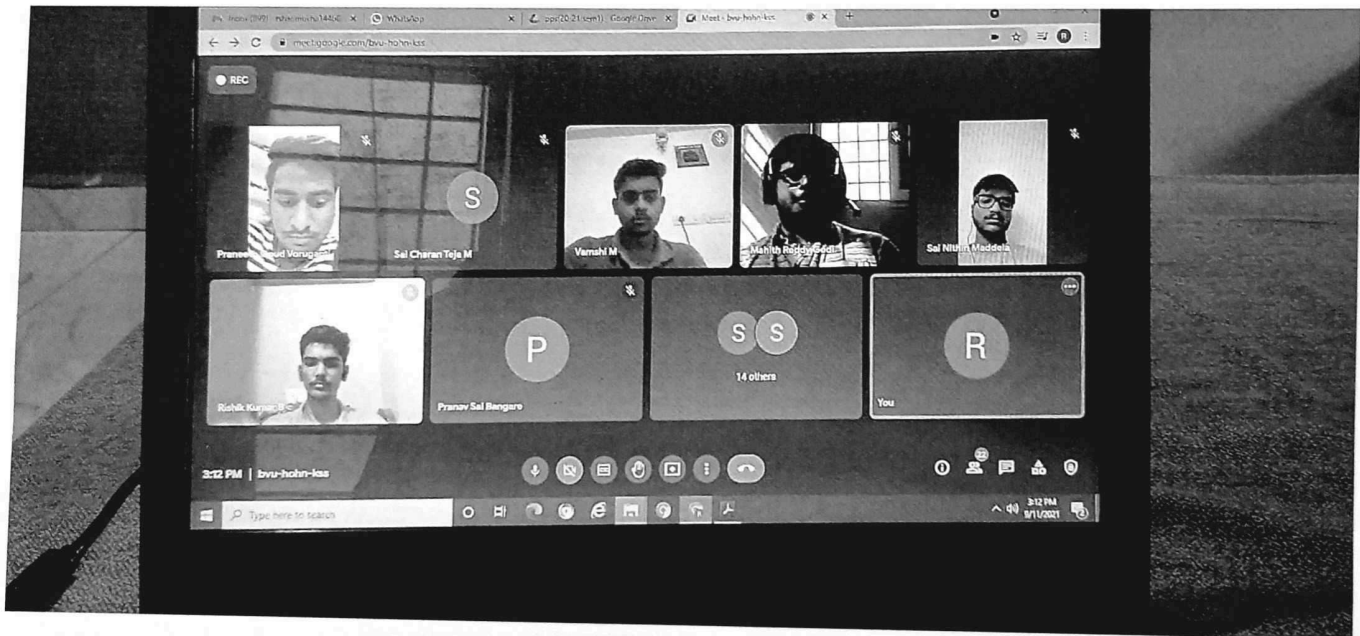
I B.Tech:2020-2021

Autonomous

Subject: AP

AP	ROLL. NO	28-06-2021	29-06-2021	30-06-2021	01-07-2021	02-07-2021	03-07-2021	RESULT
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2	19241A0216	P	P	A	P	P	P	P
3	19241A0226	P	P	P	P	P	P	P
4	19241A0245	P	P	P	P	P	P	P
5	19241A0254	P	P	P	P	P	P	P
6	19241A0259	P	P	P	P	P	P	P
7	19241A0260	P	P	P	P	P	P	P
8	19241A0272	P	P	P	P	P	P	P
9	19241A0273	P	P	P	P	P	P	P
10	19241A0299	P	P	P	P	P	P	P
11	19241A0401	P	P	P	P	P	P	P
12	19241A0496	A	A	P	P	P	P	F
13	19241A04A5	P	P	P	P	P	P	P
14	19241A04C4	P	P	P	P	P	P	F
15	19241A04D6	P	P	P	P	P	P	P
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17	19241A04G5	P	P	P	P	P	P	P
18	19241A04K7	A	A	A	A	A	P	F
19	19241A04L6	P	P	P	P	P	P	P
20	19241A04N9	P	A	A	A	A	P	F
21	19241A04O6	P	P	P	P	P	P	P
22	19241A04P0	P	P	P	P	P	P	P
23	19241A04P4	A	A	P	P	P	P	F
24	19241A04P9	P	P	P	P	P	P	P
25	19241A04Q0	P	P	P	P	P	P	P
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28	19241A04Q8	P	P	P	P	P	P	P
29	19241A04R5	P	P	P	P	P	P	P
30	19241A04S6	P	P	P	P	P	P	F
31	19241A04S9	P	P	P	P	P	P	P
32	18241A05L1	A	A	A	A	A	P	F
33	18241A05S3	P	P	P	A	A	A	F
34	19241A0588	P	P	P	P	P	P	P
35	19241A05H2	P	P	P	P	P	P	P
36	19241A05J1	P	P	P	P	P	P	P
37	19241A05O7	A	A	A	A	A	P	F
38	19241A05V0	P	P	P	P	P	P	P
39	19241A05Z6	P	P	P	P	P	P	P
40	18241A1228	P	A	A	A	A	P	F
41	18241A12A8	P	A	A	A	A	P	F
42	19241A1201	P	P	P	P	P	P	P
43	19241A1202	P	P	P	P	P	P	P
44	19241A1206	P	P	P	P	P	P	P
45	19241A1211	P	P	P	P	P	P	P
46	19241A1212	P	P	P	P	P	P	P
47	19241A1222	A	A	A	A	A	A	F
48	19241A1224	P	P	P	P	P	P	P
49	19241A1254	P	P	P	P	P	P	P

50	19241A1263	P	P	P	P	P	P	P
51	19241A1264	P	P	P	P	P	P	P
52	19241A1272	A	A	A	A	A	A	F
53	19241A1279	P	P	P	P	P	P	P
54	19241A12A1	P	P	P	P	P	P	P
55	19241A12A2	A	A	A	A	A	P	F
56	19241A12A4	P	P	P	P	P	P	P
57	19241A12A9	P	P	P	P	P	P	P
58	19241A12C0	P	P	P	P	P	P	P
59	19241A12C1	A	A	A	A	A	P	F
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62	19241A12D1	A	A	A	A	A	P	F
63	19241A12E2	P	P	P	P	P	P	P
64	19241A12E3	A	A	A	A	A	A	F
65	19241A12E4	P	P	P	P	P	P	P
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67	18241A0220	P	P	P	P	P	P	P
68	18241A0262	P	P	P	P	P	P	P
69	18241A02B1	P	P	P	P	P	P	P
70	18241A02C0	P	P	P	P	P	P	P
71	18241A0445	P	P	P	P	P	P	P
72	18241A0487	P	P	P	P	P	P	P
73	18241A04B1	P	P	P	P	P	P	P
74	18241A04B6	P	P	P	P	P	P	P
75	18241A04C2	P	P	P	P	P	P	P
76	18241A04G5	P	P	P	P	P	P	P
77	18241A04H9	P	P	P	P	P	P	P
78	18241A04I0	P	P	P	P	P	P	P
79	18241A04M8	P	P	P	P	P	P	P
80	18241A04O2	P	P	P	P	P	P	P
81	18241A04R6	P	P	P	P	P	P	P
82	18241A0598	P	P	P	P	P	P	P
83	18241A05M1	P	P	P	P	P	P	P
84	18241A05M8	P	P	P	P	P	P	P
85	18241A1206	P	P	P	P	P	P	P
86	18241A1221	P	P	P	P	P	P	P
87	18241A1226	P	P	P	P	P	P	P
88	18241A1229	P	P	P	P	P	P	P
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91	18241A1280	P	P	P	P	P	P	P
92	18241A1283	P	P	P	P	P	P	P
93	18241A1286	P	P	P	P	P	P	P
94	18241A12C1	P	P	P	P	P	P	P
95	18241A12E5	P	P	P	P	P	P	P
96	18241A12E6	P	P	P	P	P	P	P
97	18241A12H7	P	P	P	P	P	P	P



GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Remedial School

Faculty Report on Subject

Applied Physics

UNIT I

Quantum Mechanics: Introduction, Black body radiation, Planck's law, Photoelectric effect- Einstein's Photoelectric equation, Compton effect (Qualitative), Wave-Particle duality, de Broglie hypothesis, Davisson and Germer experiment, Heisenberg's uncertainty principle, Born's interpretation of the wave function, Schrodinger's time independent wave equation, Particle in one dimensional infinite potential box.

UNIT II

Semiconductor Physics: Intrinsic and extrinsic semiconductors, Estimation of carrier concentration, Dependence of Fermi level on carrier concentration and variation with temperature, Carrier transport: diffusion and drift, Hall Effect, p-n junction diode: I-V Characteristics, Zener diode: I-V Characteristics, Bipolar Junction Transistor (BJT): Construction and principle of operation (n-p-n and p-n-p) in common base configuration.

UNIT III

Optoelectronics: Radiative transitions: Absorption, Spontaneous and Stimulated emission, Non-radiative transitions: Auger recombination, Surface recombination and recombination at defects, Generation and recombination mechanism in semiconductors, LED and Semiconductor lasers: Device structure, Materials, Characteristics, Semiconductor photo-detectors: PIN and Avalanche detectors and their structure, Materials, Working principle and Characteristics, Solar cell: Structure and Characteristics.

UNIT IV

Lasers: Introduction, Characteristics of lasers, Einstein coefficients, Resonating cavity, Active medium- Meta stable state, Pumping, Population inversion, Construction and working of Ruby laser and He-Ne laser, Applications of lasers.

Fiber Optics: Introduction, Principle and Structure of an optical fiber, Basic components in optical fiber communication system, Comparison of optical fibers over conventional cables, Acceptance angle- Numerical aperture, Types of optical fibers, Losses associated with optical fibers, Applications of optical fibers.

UNIT V

Dielectric Materials: Introduction, Types of polarizations (Electronic, Ionic and Orientational Polarizations) and calculation of Electronic and Ionic polarizability.

Magnetic Materials: Introduction, Bohr magneton, classification of dia, para and ferro magnetic materials on the basis of magnetic moment, Hysteresis curve based on domain theory, Soft and hard magnetic materials, Properties of anti-ferro and ferri magnetic materials.

Superconducting materials: Introduction to superconductors, General properties, Meissner effect, Type I and Type II superconductors, Applications of superconducting materials.

II. Previous Question Papers Discussed

III. Material Shared with Students

IV. Classes are Conducted for Doubts Clarifications



Gokaraju Rangaraju Institute of Engineering and Technology

Remedial School

Student's Feedback on Remedial classes

Branch:

Year:

Semester:

Subject:EP

Faculty Name: Dr.K.Vagdevi

S.No	Item	Feed back
1.	Material presented	Excellent
2.	Teaching Clarity	Very Good
3.	Coverage of important topics	Excellent
4.	Doubts clarification	Excellent

Suggestions: Nil

(H&S-HOD)

Dean, Remedial School

PPS

Branch	Total	Pass	Transition Rate
EEE	20	18	90.00
ME	11	11	100.00
ECE	36	27	75.00
CSE	28	23	82.14
IT	62	49	79.03
CSDS	2	2	100.00
Total	159	130	81.76

DEVC

Branch	Total	Pass	Transition Rate
EEE	21	17	80.95
ME	11	11	100.00
ECE	30	21	70.00
CSE	23	19	82.61
IT	56	42	75.00
CSDS	2	2	100.00
Total	143	112	78.32

LADC

Branch	Total	Pass	Transition Rate
CE	16	12	75.00
EEE	9	7	77.78
ME	6	5	83.33
ECE	27	20	74.07
CSE	13	12	92.31
IT	25	20	80.00
Total	96	76	79.17

BEE

Branch	Total	Pass	Transition Rate
CE	1	1	100.00
EEE	4	3	75.00
ME	1	1	100.00
ECE	15	13	86.67
CSE	76	62	81.58
IT	24	16	66.67
Total	121	96	79.34

EG

Branch	Total	Pass	Transition Rate
CE	24	20	83.33
EEE	27	24	88.89
ME	8	5	62.50
ECE	69	55	79.71
CSE	34	31	91.18
IT	69	58	84.06
Total	231	193	83.55

AP

Branch	Total	Pass	Transition Rate
EEE	15	14	93.33
ECE	32	25	78.13
CSE	11	8	72.73
IT	39	30	76.92
Total	97	77	79.38

EC

Branch	Total	Pass	Transition Rate
CE	26	20	76.92
EEE	7	5	71.43
ME	11	8	72.73
ECE	12	7	58.33
CSE	29	27	93.10
IT	18	14	77.78
Total	103	81	78.64

Report of Remedial Classes

2020-2021

This is to inform you that the Remedial school of GRIET is conducting Remedial classes of through online mode for B. Tech I-year students to clear their backlogs.

1. Remedial classes are conducted in different Subjects to support the students in clearing their backlogs. As the first step, classes are held to students in different schedules. Students were informed through SMS. Students' show lot of interest. Faculty gave tips as well as material for the students, above 70% of the students who have attended got benefit and they passed in the exams.
2. The classes are aimed to help the students having a maximum of three backlogs so that they will get the degree as per their academic calendar. Students preferred material and few tips. For some subjects they came and attentive.
3. The sessions are to prevent failure rate and thereby increasing transition rate. The subjects are selected based on results. To increase attendance for the classes a brief motivation lecture is organized with the key note address by HOD.

The following shows the courses for which Remedial classes are held and the Transition rate in such course.

S. No	Course Title	No. of Students Having Backlogs	No. of Students Passed In Exam	Transition Rate
1	DEVC	143	112	78.32
2	PPS	159	130	81.76
3	EG	231	193	83.55
4	BEE	121	96	79.34
5	EC	103	81	78.64
6	LADC	96	76	79.17
7	AP	97	77	79.38