GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

Course Title: DC Machines and Transformers Lab

Following documents are available in Course File.

S.No.	Points	Yes	No
1	Institute and Department Vision and Mission Statements	√	
2	PEO & PO Mapping	√	
3	Academic Calendar	√	
4	Subject Allocation Sheet	√	
5	Class Time Table, Individual Timetable (Single Sheet)	√	
6	Syllabus Copy	√	
7	Course Handout	√	
8	CO-PO Mapping	√	
9	CO-Cognitive Level Mapping	√	
10	Lecture Notes		NA
11	Tutorial Sheets With Solution		NA
12	Soft Copy of Notes/Ppt/Slides		NA
13	Sessional Question Paper and Scheme of Evaluation		NA
14	Best, Average and ᴡ eak Answer Scripts for Each Sessional Exam. (Photocopies)	√	
15	Assignment Questions and Solutions		NA
16	Previous University Question Papers		NA
17	Result Analysis	√	
18	Feedback From Students	√	
19	Course Exit Survey		√
20	CO Attainment for All Mids.		√
21	Remedial Action.		√

Course Instructor / Course Coordinator **Course Instructor / Course Coordinator**

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

COURSE OBJECTIVES

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Academic **Y**ear : **2022-23**

Semester : **I**

Name of the Program: **B.Tech** Year: **II**

Course/Subject: **DCMT Lab**. Course Code: **GR20A2029**

Name of the Faculty: **V Vijaya Rama Raju (Assoc.Prof), M.Rekha(Asst.Prof)** Dept: **EEE**.

On completion of this Subject/Course the student shall be able:

S.No	Objectives
1	Strong background in different types of DC generators, Motors and Transformers, their construction, operation and applications
2	Understanding the various lab experiments connected with dc generators and there by achieve the design concepts.
3	Knowledge on application of dc motor concepts with respect to the performance characteristics of dc motors.
4	Knowledge on application of dc generator concepts with respect to the performance characteristics of dc generators.
5	Concept of back-to-back connection of a transformer and three phase to two phase conversion by Scott connection.

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INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

COURSE OUTCOMES

Academic Year : 2022-23

Semester : I

Name of the Program: B.Tech Year: II

Course/Subject: DCMT Lab. Course Code: GR20A2029

Name of the Faculty: V Vijaya Rama Raju (Assoc.Prof), M.Rekha(Asst.Prof) Dept: EEE.

On completion of this Subject/Course the student shall be able:

S.No	Outcomes
1	Identify various parts of electrical DC machines and Transformers.
2	Develop knowledge helpful for application of DC machines and Transformers.
3	Demonstrate control of different DC Machines.
4	Illustrate the performance of dc machines using different testing methods.
5	Determine the parameters of equivalent circuit of single phase transformer and performance.

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GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

Department/Program-EEE

VISION OF THE INSTITUTE

To be among the best of the institutions for engineers and technologists with attitudes, skills and knowledge and to become an epicenter of creative solutions.

MISSION OF THE INSTITUTE

To achieve and impart quality education with an emphasis on practical skills and social relevance.

VISION OF THE DEPARTMENT

To impart technical knowledge and skills required to succeed in life, career and help society to achieve self sufficiency.

MISSION OF THE DEPARTMENT

- To become an internationally leading department for higher learning.
- To build upon the culture and values of universal science and contemporary education.
- To be a center of research and education generating knowledge and technologies which lay groundwork in shaping the future in the fields of electrical and electronics engineering.
- To develop partnership with industrial, R&D and government agencies and actively participate in conferences, technical and community activities.

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

Programme Educational Objectives (B.Tech. – EEE)

This Programme is meant to prepare our students to professionally thrive and to lead. During their progression:

Graduates will be able to

PEO 1: Have a successful technical or professional careers, including supportive and leadershiproles on multidisciplinary teams.
PEO 2: Acquire, use and develop skills as required for effective professional practices.
PEO 3: Able to attain holistic education that is an essential prerequisite for being a responsiblemember of society.
PEO 4: Engage in life-long learning, to remain abreast in their profession and be leaders in ourtechnologically vibrant society.

Programme Outcomes (B.Tech. – EEE)

At the end of the Programme, a graduate will have the ability to

PO-1: Ability to apply knowledge of mathematics, science, and engineering.
PO-2: Ability to identify, formulate, analyze engineering problems using engineering sciences.
PO-3: Ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety.
PO-4: Ability to design and conduct experiments, as well as to analyze and interpret data with valid conclusions.
PO-5: Ability to utilize experimental, statistical and computational methods and tools necessary for modelling engineering activities.
PO-6: Ability to apply reasoning informed by the relative knowledge to evaluate societal, health, safety, legal and cultural issues and tasks applicable to the professional engineering practice.
PO-7: Ability to adapt broad education necessary to understand the impact of engineering solutions and obtain sustainability in a global, economic, environmental, and societal context.
PO-8: Ability to discover ethical principles and bind to professional and ethical responsibility.
PO-9: Ability to function as an individual and in multi-disciplinary teams.
PO-10: Ability to communicate effectively on complex activities in engineering community and society.
PO-11: Ability to develop Project management principles and apply in various disciplinary environments.
PO-12: Recognition of the need for, and an ability to engage in life-long learning.

Program Specific Outcomes(PSOs):

PSO-1: Graduates will interpret data and able to analyze digital and analog systems related to electrical and programming them.

PSO-2: Graduates will able to demonstrate, design and model electrical, electronic circuits, power electronics, power systems and electrical machines.

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INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

DCM LAB RUBRIC

OBJECTIVE: Strong background in different types of DC generators, Motors and Transformers, their construction, operation and applications
STUDENT OUTCOME: Identify various parts of electrical DC machines and Transformers.

S.No.	Student Name	Performance Criteria	Unsatisfactory	Developing	Satisfactory	Exemplary	Score
			1	2	3	4	
1.		**Research & Gather Information**	Does not collect any information that relates to the topic.	Collects very little information--some relates to the topic	Collects some basic information--most relates to the topic.	Collects a great deal Of information--all relates To the topic.	3
		Fulfill team role's duty	Does not perform any Duties of assigned team role.	Performs very little duties.	Performs nearly all duties.	Performs all duties of Assigned team role.	3
		Share Equally	Always relies on others to do the work.	Rarely does the assigned work--often needs reminding.	Usually does the assigned work--rarely needs reminding.	Always does the Assigned Work Without having to Be reminded.	3
		Listen to other team Mates	Is always talking--never allows anyone else to speak.	Usually doing most of the talking--rarely allows	Listens, but sometimes talks too much.	Listens and speaks a Fair amount.	4

				others to			
				speak.			
						Average score	3.5
2.		**Research & Gather Information**	Does not collect any information that relates to the topic.	Collects very little information--some relates to the topic	Collects some basic information--most relates to the topic.	Collects a great deal of information--all relates to the topic.	3
		Fulfill team role's duty	Does not perform any duties of assigned team role.	Performs very little duties.	Performs nearly all duties.	Performs all duties of assigned team role.	3
		Share Equally	Always relies on others to do the work.	Rarely does the assigned work--often needs reminding.	Usually does the assigned work--rarely needs reminding.	Always does the assigned work without having to be reminded.	4
		Listen to other team mates	Is always talking--never allows anyone else to speak.	Usually doing most of the talking--rarely allows others to speak.	Listens, but sometimes talks too much.	Listens and speaks a fair amount.	3
						Average score	4
3		**Research & Gather**	Does not	Collects	Collects some	Collects a great deal	3

		Information	collect any information that relates to the topic.	very little information that relates to the topic	basic information--most relates to the topic.	of information --all relates to the topic.	
		Fulfill team role's duty	Does not perform any duties of assigned team role.	Performs very little duties.	Performs nearly all duties.	Performs all duties of assigned team role.	3
		Share Equally	Always relies on others to do the work.	Rarely does the assigned work--often needs reminding.	Usually does the assigned work--rarely needs reminding.	Always does the assigned work without having to be reminded.	4
		Listen to other team mates	Is always talking--never allows anyone else to speak.	Usually doing most of the talking--rarely allows others to speak.	Listens, but sometimes talks too much.	Listens and speaks a fair amount.	3
						Average score	4

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

GUIDELINES TO STUDY THE COURSE / SUBJECT

Academic Year : 2022-23

Semester : I

Name of the Program: B.Tech Year: II

Course/Subject: DCMT Lab. Course Code: GR20A2029

Name of the Faculty: V Vijaya Rama Raju (Assoc.Prof), M.Rekha(Asst.Prof) Dept: EEE.

Course Design and Delivery System (CDD):

- The Course syllabus is written into number of learning objectives and outcomes.
  These learning objectives and outcomes will be achieved through lectures, assessments,assignments, experiments in the laboratory, projects, seminars, presentations, etc.
  Every student will be given an assessment plan, criteria for assessment, scheme of evaluation and grading method.
  The Learning Process will be carried out through assessments of Knowledge, Skills and Attitude by various methods and the students will be given guidance to refer to the text books, reference books, journals, etc.

The faculty be able to –

- Understand the principles of Learning
- Understand the psychology of students
- Develop instructional objectives for a given topic
- Prepare course, unit and lesson plans
- Understand different methods of teaching and learning
- Use appropriate teaching and learning aids
- Plan and deliver lectures effectively
- Provide feedback to students using various methods of Assessments and tools of Evaluation
- Act as a guide, advisor, counselor, facilitator, motivator and not just as a teacher alone

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Department of Electrical & Electronics Engineering

COURSE SCHEDULE

Academic Year : 2022-23

Semester : I

Name of the Program: B.Tech **Year: II**

Course/Subject: DCMT Lab. **Course Code: GR20A2029**

Name of the Faculty: V Vijaya Rama Raju (Assoc.Prof), M.Rekha (Asst.Prof) Dept: EEE.

S.No	No.of hours	Date	Experiment
1	**3**	A1:25/10/22 A2:27/10/22	Swinburne's Test and Speed Control of a DC Shunt Motor
2	**3**	A1:1/11/22 A2:3/11/22	Brake Test on a DC Shunt Motor
3	**3**	A1:8/11/22 A2:10/11/22	Brake Test on a DC Compound Motor
4	**3**	A1:15/11/22 A2:17/11/22	Open Circuit Characteristics of a DC Shunt Generator and Load Test on a DC Shunt Generator
5	**3**	A1:22/11/22 A2:4/11/22	Load Test on a DC Series Generator
6	**3**	A1:29/11/22 A2:1/12/22	Load Test on a DC Compound Generator
7	**3**	A1:6/12/22 A2:8/12/22	Hopkinson Test
8	**3**	A1:13/12/22 A2:15/12/22	Fields Test
9	**3**	A1:13/12/22 A2:15/12/22	Separation of Core Losses of DC machine
10	**3**	A1:27/12/22 A2:29/12/22	OC,SC and Load test on single phase transformer
11	**3**	A1:3/1/23 A2:5/1/23	Sumpner's Test
12	**3**	A110/1/23 A2:12/1/23	Scott connection

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ILLUSTRATIVE VERBS FOR STATING INSTRUCTIONAL OBJECTIVES

These verbs can also be used while framing questions for Continuous Assessment Examinations as well as for End – Semester (final)Examinations

ILLUSTRATIVE VERBS FOR STATING GENERAL OBJECTIVES/OUTCOMES

Know Comprehend	Understand Apply	Analyze Design	Generate Evaluate

ILLUSTRATIVE VERBS FOR STATING SPECIFIC OBJECTIVES/OUTCOMES:

A. COGNITIVE DOMAIN (KNOWLEDGE)

1	2	3	4	5	6
Knowledge	Comprehension Understanding	Application of knowledge & comprehension	Analysis Of whole w .r.t. its constituents	Synthesis	Evaluation Judgment
Define	Convert	Change	Breakdown	Categorize	Appraise
Identify	Defend	Compute	Differentiate	Combine	Compare
Label	Describe (a	Demonstrate	Discriminate	Compose	Conclude
List	Procedure)	Deduce	Distinguish	Compose	Contrast
March	Distinguish	Manipulate	Separate	Create	Criticize
Reproduce	Estimate	Modify	Subdivide	Devise	Justify
Select	Explain why/how	Predict		Design	Interpret
State	Extend	Prepare		Generate	Support
	Generalize	Relate		Organize	
	Give examples	Show		Plan	
	Illustrate	Solve		Rearrange	
	Infer			Reconstruct	
	Summarize			Reorganize	
				Revise	

B.AFFECTIVE DOMAIN (ATTITUDE)		C. PSYCHOMOTOR DOMAIN (SKILLS)				
Adhere	Resolve	Bend	Dissect	Insert	Perform	Straighten
Assist	Select	Calibrate	Draw	Keep	Prepare	Strengthen
Attend	Serve	Compress	Extend	Elongate	Remove	Time
Change	Share	Conduct	Feed	Limit	Replace	Transfer
Develop		Connect	File	Manipulate	Report	Type
Help		Convert	Grow	Move Precisely	Reset	Weigh
Influence		Decrease	Increase	Paint	Set	

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

SCHEDULE OF INSTRUCTIONS
COURSE PLAN

Academic Year : 2022-23

Semester : I

Name of the Program: B. Tech **Year: II**

Course/Subject: DC Machines Lab **Course Code: GR20A2036**

Name of the Faculty: V Vijaya Rama Raju (Assoc.Prof),
M.Rekha(Asst.Prof) **Dept.: EEE.**

S .No	No. of Periods	Experiment	Date	Objectives & Outcomes Nos.
1	3	Swinburne's Test and Speed Control of a DC Shunt Motor	25/10/22 27/10/22	1,2,3,4&1,3
2	3	Brake Test on a DC Shunt Motor	1/11/22 3/11/22	1,2,3,4&1,3
3	3	Brake Test on a DC Compound Motor	8/11/22 10/11/22	1,2,3,4&1,3
4	3	Open Circuit Characteristics of a DC Shunt Generator and Load Test on a DC Shunt Generator	15/11/22 17/11/22	1,2,3,4&1,2,4
5	3	Load Test on a DC Series Generator	22/11/22 24/11/22	1,2,3,4&1,2,4
6	3	Load Test on a DC Compound Generator	29/11/22 1/12/22	1,2,3,4&1,2,4
7	3	Hopkinson Test	6/12/22 8/12/22	1,2,3,4&1,3
8	3	Fields Test	13/12/22 15/12/22	1,2,3,4&1,3
9	3	Separation of Core Losses of DC machine	13/12/22 15/12/22	1,2,3,4&1,3
10	3	OC,SC and Load test on single phase transformer	27/12/22 29/12/22	1,2,5&1,5
11	3	Sumpner's Test	3/1/23 5/1/23	1,2,5&1,5
12	3	Scott connection	10/1/23 12/1/23	1,2,5&1,5

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Department of Electrical & Electronics Engineering

SYLLABUS

Academic Year: 2022-23

Course: B.Tech **Year: II-I**

Branch: EEE **Code: GR20A2036**

Subject: DC Machines Lab

LIST OF EXPERIMENTS:

1.Swinburne's Test and Speed Control of a DC Shunt Motor

2.Brake Test on a DC Shunt Motor

3.Brake Test on a DC Compound Motor

4.Open Circuit Characteristics of a DC Shunt Generator and Load Test on a DC Shunt Generator

5.Load Test on a DC Series Generator

6.Load Test on a DC Compound Generator

7.Hopkinson Test

8.Fields Test

9.Separation of Core Losses of DC machine

10.OC,SC and Load test on single phase transformer

11.Sumpner,s Test

12.Scott connection

13. Heat run test on transformer.

14.Seperation of core losses of a single phase transformer.

15.Hysterisis loss determination Parallel operation of Transformers.

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Department of Electrical & Electronics Engineering

GRIET/DAA/1H/G/22-23 09 May 2022

Academic Year 2022-23

II B.Tech. – First Semester

S. No.	EVENT	PERIOD	DURATION
1	Commencement of First Semester class work	10-10-2022	
2	I Spell of Instructions	10-10-2022 to 07-12-2022	9 Weeks
3	I Mid-term Examinations	08-12-2022 to 12-12-2022	3 Days
4	II Spell of Instructions	13-12-2022 to 07-02-2023	8 Weeks
5	II Mid-term Examinations	08-02-2023 to 10-02-2023	3 Days
6	Preparation/Break	11-02-2023 to 17-02-2023	1 Week
7	End Semester Examinations (Theory/ Practical) Regular/ Supplementary	20-02-2023 to 11-03-2023	3 Weeks
8	Commencement of Second Semester, AY 2022-23	13-03-2023	

II B.Tech. – Second Semester

S. No.	EVENT	PERIOD	DURATION
1	Commencement of II Semester class work	13-03-2023	
2	I Spell of Instructions	13-03-2023 to 29-04-2023	7 Weeks
3	Summer Vacation	01-05-2023 to 13-05-2023	2 Weeks
4	I Spell of Instructions Contd	15-05-2023 to 27-05-2023	2 Weeks
5	I Mid-term Examinations	29-05-2023 to 31-05-2023	3 Days
6	II Spell of Instructions	01-06-2023 to 31-07-2023	8 Weeks
7	II Mid-term Examinations	01-08-2023 to 03-08-2023	3 Days
8	Preparation	04-08-2023 to 10-08-2023	1 Week
9	End Semester Examinations (Theory/ Practical) Regular / Supplementary	11-08-2023 to 31-08-2023	3 Weeks
10	Commencement of III B.Tech First Semester, AY 2023-24	01-09-2023	

Dean Academic Affairs

Copy to Principal, All HoDs, CoE

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

Day/Hour	9:00 - 9:50	9:50 - 10:40	10:40 - 11:30	11:30-12:00	12:00-12:45	12:45 - 1:30	1:30 - 2:15	2:15 - 3:00
MONDAY				BREAK	DCMT Lab(A1)			
TUESDAY								
WEDNESDAY								
THURSDAY					DCMT Lab(A2)			
FRIDAY								
SATURDAY								

Room No.	
Theory	4401
Lab	**2106/07**
Class Incharge:	D Karuna Kumar

HOD **Co-ordinator**

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Department of Electrical & Electronics Engineering

2022 -23 I sem Subject allocation sheet

II YEAR(GR20)	Section-A	
Electrical Circuit Analysis	G Sandhya Rani	
Principles of Analog Electronics	P Ravikanth	
DC Machines and Transformers	Dr Phaneedra Babu B	
Electromagnetic Fields	Dr T Suresh Kumar	
Power Generation and Transmission	V Vijaya Rama Raju	
Java Programming for Engine	CSE Dept. Staff	
Constitution of India	D Karuna Kumar	
Value Ethics and Gender Culture	M Prashanth	
Principles of Analog Electronics Lab	U Vijaya Lakshmi/ M Prashanth	
DC Machines and Transformers Lab	V Vijaya Rama Raju / M Rekha	
III YEAR (GR20)	Section-A	
Power System Analysis	Dr J Sridevi	
Power Electronics	Dr Pakkiraiah B	
Microproces sors and Microcontrol lers	Dr D Raveedhra	
Electrical and Hybrid Vehicles (PE-1)	Dr D G Padhan	
Cloud Computing (NPTEL)	P Ravikanth	
Power Systems Lab	Dr J Sridevi / V Usha Rani/ U Vijaya Lakshmi	
Power Electronics Lab	Dr Pakkiraiah B/ G Sandhya Rani	
Microproces sors and Microcontrol lers Lab	Dr P Srividya Devi/ M N Sandhya Rani	
IV YEAR(GR18)	Section-A	Section-B
Power Systems – III	Dr P Srividya Devi	P Prashanth Kumar
Electronics Design	Dr D S N M Rao	Dr D S N M Rao
Electrical and Hybrid Vehicles (PE-III)	D Srinivasa Rao	D Srinivasa Rao
High Voltage Engineering (PE-IV)	A Vinay Kumar	A Vinay Kumar
Robotics	Anitha (Mech)	
Database Management Systems	D Swathi (CSE)	
Electronics Design Lab	P Ravikanth /Dr DSNM Rao	D Karuna Kumar/ V Usha Rani

GOKARAJU RANGARA INSTITUTE OF ENGINEERING AND TECHNOL **Department of Electrical & Electronics En**		
Project work - (PhaseI)	A Vinay Kumar/ D Srinivasa Rao	M N Sandhya Rani / G Sandhya Rani
I/I BEE(GR20)	Theory	LAB
EEE (1) BEE	R Anil Kumar/ P Praveen Kumar / P Prashanth Kumar/ K Sudha	
ECE (3) BEE		
IT (3) BEE		
CSBS (1) PEE		
Design Thinking	Dr D G Padhan	
Mech II/I (GR20)	A	
BEEE	M N Sandhya Rani	

Dr Phaneendra Babu B
HOD,EEE

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INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

EVALUATION STRATEGY

Academic Year : 2022-23

Semester : I

Name of the Program: B.Tech **Year: II** **Section: A,B.**

Course/Subject: DC Machines Lab **Course Code: GR20A2036**

Name of the Faculty: V Vijaya Rama Raju (Assoc.Prof),
M.Rekha(Asst.Prof) **Dept.: EEE.**

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1. TARGET:

A) Percentage for pass: **100%**

2. COURSE PLAN & CONTENT DELIVERY

(Please write how you intend to cover the contents: i.e., coverage of Units/Lessons by lectures, design, exercises, solving numerical problems, demonstration of models, model preparation, experiments in the Lab., or by assignments, etc.)

3. METHOD OF EVALUATION

3.1 ☐ Daily Attendance

3.2 ☐ Lab Record and Observation

3.3 ☐ Projects

3.4 ☐ Viva Voce

3.5 ☐ Internal Examination

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

Result Analysis

Academic Year: 2022-23 Total No. of Students Registered: 69

Arrears Position – II year / I Semester

Course	Total No. of Students appeared	Total No. of Students Passed	No. of Students Failed	Count of Students with Grade Point					
				GP (10)	GP (9)	GP (8)	GP (7)	GP (6)	GP (5)
VEGC	69	67	02	20	33	09	03	01	01
CI	69	67	02	14	22	19	09	02	01
ECA	69	50	19	00	03	04	14	17	12
PAE	69	66	03	01	14	24	13	10	04
DCMT	69	57	12	00	00	06	15	20	16
EMF	69	57	12	00	02	11	19	18	07
JPE	69	66	03	00	05	23	22	11	05
PAE Lab	69	65	04	16	09	15	13	07	05
DCMT Lab	69	60	09	06	09	08	08	18	11
PGT	69	65	04	00	02	15	30	13	05

No.of students	All Pass	One Arrear	Two Arrears	Three Arrears	More than three arrears	Overall % of pass
69	46	07	07	04	05	66.67%

Performance overall Class Three Toppers

ROLL NO.	NAME	SGPA
21241A0257	Siripuram Manisree	8.93
22245A0202	Divya Namani	8.50
21241A0245	Palleti Sri Padma Latha Reddy	8.40

Class coordinator **HOD, EEE**

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

II B.Tech - I Sem (EEE)

SECTION	Courses	VEGC	CI	ECA	PAE	DCMT	EMF	JPE	PAE LAB	DCMT LAB	PGT
	Course codes	GR20A2002	GR20A2003	GR20A2023	GR20A2024	GR20A2025	GR20A2026	GR20A2028	GR20A2029	GR20A2030	GR20A2033
A	TOTAL	69	69	69	69	69	69	69	69	69	69
	PASS	67	67	50	66	57	57	66	65	60	65
	PASS(%)	97.1	97.10	72.46	95.65	82.60	82.60	95.65	94.20	86.95	94.20
	FACULTY NAME	M. Prashanth	D. Karuna Kumar	G Sandhya Rani	P Ravi Kanth	Dr B Phaneendra Babu	Dr T Suresh Kumar	D. Preethi	U. Vijaya Lakshmi/ M. Prashanth	V. Vijayarama Raju/ M. Rekha	V. Vijayarama Raju
	FACULTY ID	1279	760	888	1178	1563	1494		692/1279	361/933	361

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

Feedback

GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Summation of Teacher's Appraisal by Students

Name of the Instructor	M. Rekha
Faculty ID	933
Branch	EEE
Class and Semester	II-A SEM I
Academic Year	2022-23
Subject Title	DC Machines and Transformers Lab
Total No. of Responses/class strength	67/69

Average rating on a scale of 4 for the responses considered:

S.No.	Questions	Average
1	How does the teacher explain the subject?	3.19
2	Knowledge and Preparation of teacher	3.63
3	The language and communication skills of the teacher is	3.31
4	Overall, how were the online classes conducted?	3.21
5	Rate your teacher's ability in interaction and clarifying the doubts	3.27
6	Rate your teacher's commitment in completing the syllabus	3.37
7	Rate your teacher's punctuality, usage of Audio, Visuals in online classes	3.40
8	Usage of teaching aids, real time examples and applications	3.25
9	Study material, PPTs, Conducting activities like quiz, etc.,	2.84
10	What is your overall opinion about the teacher ?	3.12
		3.26

Net Feedback on a Scale of 1 to 4 — 3.26

Remarks by HOD: S. M. Q

Remarks by Principal:

Remarks by Director: