GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

Course File

Electrical Simulation Lab

<u>**G.SandhyaRani**</u>
<u>**Assistant Professor,EEE Department**</u>

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

Course Tittle: Electrical Simulation 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		
11	Tutorial Sheets With Solution		
12	Soft Copy of Notes/Ppt/Slides		
13	Sessional Question Paper and Scheme of Evaluation	√	
14	Best, Average and Weak Answer Scripts for Each Sessional Exam. (Photocopies)		
15	Assignment Questions and Solutions		
16	Previous University Question Papers		
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

(Name)   (Signatur

Department of Electrical & Electronics Engineering

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 leadership roles 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 responsible member of society.

PEO 4: Engage in life-long learning, to remain abreast in their profession and be leaders in our technologically vibrant society.

Programme Outcomes (B.Tech. – EEE)

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

PO 1: Apply knowledge of mathematics, science, and engineering.

PO 2: Design and conduct experiments, as well as to analyze and interpret data.

PO 3: Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

PO 4: Function on multi-disciplinary teams.

PO 5: Identify, formulates, and solves engineering problems.

PO 6: Understanding of professional and ethical responsibility.

PO 7: Communicate effectively.

PO 8: Broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

PO 9: Recognition of the need for, and an ability to engage in life-long learning.

PO 10: Knowledge of contemporary issues.

PO 11: Utilize experimental, statistical and computational methods and tools necessary for engineering practice.

PO 12: Demonstrate an ability to design electrical and electronic circuits, power electronics, power systems; electrical machines analyze and interpret data and also an ability to design digital and analog systems and programming them.

PEOs & POs Mapping

Programme Educational Objectives (PEOs)	Programme Outcomes (POs)											
	1	2	3	4	5	6	7	8	9	10	11	12
1	M	M	-	-	H	-	-	H	H	-	H	H
2	-	-	M	M	H	H	H	-	-	-	-	H
3	-	-	-	-	H	H	M	M	M	M	H	H
4	-	-	-	M	M	H	M	H	H	-	M	H

* H: Strongly Correlating (3); M: Moderately Correlating (2)& L: Weakly Correlating (1)

HOD-EEE

Department of Electrical & Electronics Engineering
COURSE OBJECTIVES

Academic **Y**ear   : 2018-2019

Semester   : I

Name of the Program: EEE……… B.Tech   **… II …**.… Section: A/B

Course/Subject: Electrical Simulation Lab………Code: GR17A2039

Name of the Faculty: G.Sandhyarani/P.Sirisha   Dept: ….EEE…

Designation: Assistant Professor

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

S.No	Course Objectives
1.	Strong background on electrical software‟s
2.	Approach for solving engineering problems.
3.	Use electrical software‟s in their project works.
4.	Foundation for use of these software‟s in real time applications.
5.	Development of data acquisition, instrument control, data-logging, and measurement analysis applications
6.	Knowledge about user-defined software and modular hardware that implements custom systems(virtual instruments)
7.	Knowledge about simpler system integration for hardware and their corresponding software

Signature of HOD   Signature of faculty

Date:

Department of Electrical & Electronics Engineering
COURSE OUTCOMES

Academic **Y**ear   : 2018-2019

Semester   : I

Name of the Program: EEE……… B.Tech   **… II …**.…   Section: A/B

Course/Subject: Electrical Simulation Lab………Code: GR17A2039

Name of the Faculty: G.Sandhyarani/P.Sirisha   Dept: ….EEE…

Designation:Assistant Professor

The expected outcomes of the Course/Subject are:

S.No	Course Outcomes
1.	Express programming and simulation for engineering programs.
2.	Know importance of these software"s for lab experimentation.
3.	Articulate importance of software"s in research by simulation work.
4.	In-depth knowledge of providing virtual instruments on lab view environment
5.	Simulate basic electrical circuit in mat lab simulink.
6.	Solve and execute complex algorithms in real time.
7.	Integrate hardware and their corresponding software

Signature of HOD   Signature of faculty

Date: Date:

Department of Electrical & Electronics Engineering

3	Academic Calendar

ACADEMIC CALENDAR
Academic Year 2018-19

II B.TECH – FIRST SEMESTER

S. No.	EVENT	PERIOD	DURATION
1	1st Spell of Instructions	02-07-2018 to 05-09-2018	9 Weeks 3 Days
2	1st Mid-term Examinations	06-09-2018 to 08-09-2018	3 Days
3	2nd Spell of Instructions	10-09-2018 to 27-10-2018	7 Weeks
4	2nd Mid-term Examinations	29-10-2018 to 31-10-2018	3 Days
5	Preparation	01-11-2018 to 07-11-2018	1 Week
6	**End Semester Examinations** (Theory/ Practicals) Regular/Supplementary	**08-11-2018 to 08-12-2018**	**4 Weeks 3 Days**
7	Commencement of Second Semester, A.Y 2018-19	10-12-2018	

II B.TECH – SECOND SEMESTER

S. No.	EVENT	PERIOD	DURATION
1	1st Spell of Instruction	10-12-2018 to 06-02-2019	8 Weeks 3 days
2	1st Mid-term Examinations	07-02-2019 to 09-02-2019	3 Days
3	2nd Spell of Instruction	11-02-2019 to 03-04-2019	**7 Weeks 3 Days**
4	2nd Mid-term Examinations	04-04-2019 to 06-04-2019	3 Days
5	Preparation	08-04-2019 to 17-04-2019	**1 Week 3 Days**
6	**End Semester Examinations**(Theory/ Practicals) Regular	18-04-2019 to 08-05-2019	3 Weeks
7	**Supplementary and Summer Vacation**	**09-05-2019 to 22-06-2019**	**6 Weeks 3 Days**
8	Commencement of First Semester, A.Y 2019-20	24-06-2019	

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4	Subject Allocation Sheet

II YEAR(GR17)	Section-A	Section-B
Special Functions and Complex Variable	Dr GS	Dr GS
Electromagnetic Fields	SN	SN
Network Theory	MS	MS
DC Machines and Transformers	Dr BPB	Dr BPB
Computer Organization	PRK	PRK
DC Machines Lab	MP/DSR	PRK/DSR
Electrical Networks Lab	YSV/GBR	YSV/GBR
Electrical Simulation Lab	GSR/PS	GSR/PS
Environmental Science		

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5	Class Time Table, Individual Timetable (Single Sheet)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

B.Tech - EEE - A   II Year - I Semester

Day/Hour	9:00 - 9:45	9:45 - 10:30	10:30 - 11:15	11:15- 12:00	12:00- 12:30	12:30 - 1:20	1:20 - 2:10	2:10 -3:00	Room No.	
MONDAY	ES Lab /DCM Lab A1/A2				BREAK	ES	DCMT	DCMT	Theory	4401
TUESDAY	DCM Lab / EN Lab A1/A2					DCMT	DCMT	NT	Lab	DCM Lab-2106 ES Lab- 4508 EN Lab- 4510
WEDNESDAY	EN Lab / ES Lab A1/A2					NT	NT	CO		
THURSDAY	SFCV		EMF			ES	CO	CO	Class Incharge:	V V S Madhuri
FRIDAY	NT		EMF			SFCV	CO	CO		
SATURDAY	EMF		DCMT			SFCV	SFCV	NT		

Subject Code	Subject Name	Faculty Code	Faculty Name	Almanac	
GR17A2058	Special Functions and Complex Variable	Dr GS	Dr G Swapna	1st Spell of Instructions	02-07-2018 to 05-09-2018
GR17A2076	Computer Organization	PRK	P Ravi Kanth	1st Mid-term Examinations	06-09-2018 to 08-09-2018
GR17A2034	Electromagnetic Fields	SN	Syed Sarfaraz Nawaz	2nd Spell of Instructions	10-09-2018 to 27-10-2018
GR17A2035	Network Theory	MS	M Srikanth	2nd Mid-term Examinations	29-10-2018 to 31-10-2018
GR17A2036	DC Machines and Transformers	Dr BPB	Dr B Phaneendra Babu	Preparation	01-11-2018 to 07-11-2018
GR17A2037	DC Machines Lab	DSR/MP	D Srinivasa Rao/M Prashanth	End Semester Examinations (Theory/ Practicals) Regular / Supplementary	08-11-2018 to 08-12-2018
GR17A2038	Electrical Networks Lab	YSV / GBR	Y Satya Vani/ G Bhaskar Rao		
GR17A2039	Electrical Simulation Lab	GSR/PS	G Sandhya Rani / P Sirisha	Commencement of Second Semester, A.Y	10-12-18
GR17A2001	Environmental Science	MHK	M Haritha Kiranmayi		

B.Tech - EEE - B   II Year - I Semester

Day/Hour	9:00 - 9:45	9:45 - 10:30	10:30 - 11:15	11:15- 12:00	12:00- 12:30	12:30 - 1:20	1:20 - 2:10	2:10 -3:00	Room No.	
MONDAY	EMF		DCMT		BREAK	SFCV	SFCV	ES	Theory	4402
TUESDAY	DCMT		EMF			NT	CO	CO	Lab	DCM Lab-2106 ES Lab- 4508 EN Lab- 4510
WEDNESDAY	NT		CO			SFCV	EMF	EMF		

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THURSDAY	ES Lab /DCM Lab B1/B2			SFCV	SFCV	NT		Class Incharge:	VVSMadhuri
FRIDAY	DCM Lab / EN Lab B1/B2			NT	NT	ES			
SATURDAY	EN Lab / ES Lab B1/B2			CO	DCMT	DCMT			

Subject Code	Subject Name	Faculty Code	Faculty Name	Almanac	
GR17A2058	Special Functions and Complex Variable	Dr GS	Dr G Swapna	1st Spell of Instructions	02-07-2018 to 05-09-2018
GR17A2076	Computer Organization	PRK	P Ravi Kanth	1st Mid-term Examinations	06-09-2018 to 08-09-2018
GR17A2034	Electromagnetic Fields	SN	Syed Sarfaraz Nawaz	2nd Spell of Instructions	10-09-2018 to 27-10-2018
GR17A2035	Network Theory	MS	M Srikanth	2nd Mid-term Examinations	29-10-2018 to 31-10-2018
GR17A2036	DC Machines and Transformers	Dr BPB	Dr B Phaneendra Babu	Preparation	01-11-2018 to 07-11-2018
GR17A2037	DC Machines Lab	DSR/PRK	D Srinivasa Rao/P Ravikanth	End Semester Examinations (Theory/ Practicals) Regular / Supplementary	08-11-2018 to 08-12-2018
GR17A2038	Electrical Networks Lab	YSV / GBR	Y Satya Vani/ G Bhaskar Rao		
GR17A2039	Electrical Simulation Lab	GSR/PS	G Sandhya Rani / P Sirisha	Commencement of Second Semester, A.Y	10-12-18
GR17A2001	Environmental Science	Bh.SR	Bh. Saroja Rani		

Individual timetable

Day/Hour	9:00 - 9:45	9:45 - 10:30	10:30 - 11:15	11:15- 12:00	12:00- 12:30	12:30 - 1:20	1:20 - 2:10	2:10 -3:00
MONDAY	ES Lab A1							
TUESDAY								
WEDNESDAY		ES Lab A2						
THURSDAY		ES Lab B1			BREAK			
FRIDAY								
SATURDAY		ES Lab B1/B2						

Room No.	
Theory	4401
Lab	DCM Lab-2106 ES Lab- 4508 EN Lab- 4510
Class Incharge:	V V S Madhuri

Department of Electrical & Electronics Engineering

6	Syllabus Copy

MATLAB Contents
1. The Basics
2. Arrays and plots
3. Strings, Logic and Control Flow
4. Polynomials, Integration& Differentiation
5. Introduction to Simulink
6. Introduction to SciLAB

LABVIEW Contents
1. Virtual Instruments
2. Editing Techniques,
3. Building VI, Creating the Sub VIZ
4. Using For loop, While loops and Charts
5. Creating an Array with Auto-Indexing
6. Using the Graph and Analysis VIs
7. Using the Case structure
8.Using the formula node

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7	Course Handout

COURSE SCHEDULE

Academic **Y**ear : 2018-2019

Semester : I

Name of the Program: EEE……… B.Tech **… II …**..… Section: A/B

Course/Subject: Electrical Simulation Lab………Code: GR17A2039
Name of the Faculty:
G.Sandhyarani/P.Sirisha   Dept: ….EEE…
  Designation: Assistant Professor

The Schedule for the whole Course / Subject is:

Exp. No.	Description	Duration(Date)	Total No. of Periods
1.	Virtual Instruments	09/07/18	4
2.	Editing Techniques	09/07/18	4
3.	Building VI	16/07/18	4
4.	Creating the SubVI	16/07/18	4
5.	Using While loops and Charts	20/07/18	4
6.	Using a For loop	23/07/18	4
7	Creating an Array with Auto-Indexing	27/07/18	4
8.	Using the Graph and Analysis VIs	30/07/18	4
9.	Using the Case Structure	03/08/18	4
10	Using the Formula Node	17/08/18	4
11.	The Basics	24/08/18	4
12.	Arrays and Plots	31/08/18	4

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13.	Strings, Logic and Control Flow	14/09/18	4
14.	Polynomials, Integration & Differentiation	21/09/18	4

Total No. of Instructional periods available for the course: …. …….Hours / Periods

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SCHEDULE OF INSTRUCTIONSCOURSEPLAN

Program No.	No. of Periods	Topics / Sub-Topics	Objectives & Outcomes Nos.	Reference Text Books
1.	4	Virtual Instruments	2,3,4 & 2,4	Manual , LABVIEW Basics,User manual NationalInstruments
2.		Editing Techniques		
3.	4	Building VI	1,3 & 2,4	Manual , LABVIEW Basics,User manual NationalInstruments
4.		Creating the SubVI		
5.	4	Using While loops and Charts	1,3 & 2,4	Manual , LABVIEW Basics,User manual NationalInstruments
6.	4	Using a For loop	1,3 & 2,4	Manual , LABVIEW Basics,User manual National Instruments
7.	4	Creating an Array with Auto-Indexing	1,3 & 2,4	Manual , LABVIEW Basics,User manual NationalInstruments
8.	4	Using theGraph and AnalysisVIs	1,3 & 2,4	Manual , LABVIEW Basics,User manual NationalInstruments
9.	4	Using the Case structure	1,3 & 2,4	Manual , LABVIEW Basics,User manual NationalInstruments
10.	4	Using theFormula Node	1,3 & 2,4	Manual , LABVIEW Basics,User manual NationalInstruments
11.	4	The Basics	1,2 & 2,3	Manual,Using MATLAB 6.0 Mathworks
12.	4	Arrays and Plots	1,3 & 2,1,5	Manual, Using MATLAB 6.0 Mathworks
13.	4	Strings, Logic and Control Flow	1,3 & 2,1,5	Manual, Using MATLAB 6.0 Mathworks
14.	4	Polynomials, Integration &Differentiation	1,3 & 2,1,5	Manual, Using MATLAB 6.0 Mathworks
15.	4	Introduction to Simulink	2,3 & 1,2,3,6,7	Manual, Using MATLAB 6.0 Mathworks

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8	CO-PO Mapping

Assessment methods:

1. Operation skill and familiarization ofsoftware.
2. Experimental procedure, simulation results, internal observation, labrecord.
3. Internal examinations.
4. External examinations.
5. Viva-voce.

1. **Program Educational Objectives (PEOs) – Vision/Mission Matrix** (Indicate therelationships by mark "X")

PEOs	Mission of department			
	Higher Learning	ontemporary Education	Technical knowledge	Research
Graduates will have a successful technical or professional careers, including supportive and leadershiproles on multidisciplinary teams	X	X	X	X
Graduates will be able to acquire, use and develop skills as requiredfor effective professional practices		X	X	
Graduates will be able to attain holistic education that is an essential prerequisite for being aresponsible member of society	X		X	
Graduates will be engaged in life-long learning, to remain abreast in their profession and be leaders in our technologically vibrant society.	X		X	X

2.Program Educational Objectives(PEOs)-Program Outcomes(POs) Relationship Matrix (Indicate

P-Outcomes / PEOs	a	b	c	d	e	f	g	h	i	j	k	l
1	X	X	X	X	X			X	X	X	X	X
2	X	X	X	X	X			X	X	X	X	X
3		X	X	X		X	X	X	X	X		
4				X					X	X		X

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3.Course Objectives-Course Outcomes Relationship Matrix
(Indicate the relationships by mark"X")

Course-Outcomes / Course-Objectives	1	2	3	4	5	6	7
1	X			X	X	X	X
2		X			X	X	X
3		X	X				X
4		X					X

4.Course Objectives-Program Outcomes (POs) Relationship
Matrix (Indicate the relationships by mark "X")

P-Outcomes / C-Objectives	a	b	c	d	e	f	g	h	i	j	k	l
1		X	X								X	X
2	X	X		X							X	X
3		X	X		X		X	X			X	X
4		X	X			X		X			X	X

5. Course Outcomes-Program Outcomes (POs) Relationship Matrix (Indicate the relationships by mark"X")

P-Outcomes / C-Outcomes	a	b	c	d	e	f	g	h	i	j	k	l
1	X		X						X			
2	X				X							
3		X									X	X
4	X				X							X
5	X				X						X	
6	X	X									X	X
7	X	X									X	

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6.Courses (with title & code)-Program Outcomes (POs) RelationshipMatrix

(Indicate the relationships by mark "X")

P-Outcomes / Courses	a	b	c	d	e	f	g	h	i	j	k	l
Op Amps-GR11A3078		X	X		X						X	

7.Program Educational Objectives (PEOs)-Course Outcomes RelationshipMatrix

(Indicate the relationships by mark "X")

P-Objectives (PEOs) / Course-Outcomes	1	2	3	4
1	X	X		X
2	X	X		X
3	X	X		X
4	X	X		X
5	X	X		X
6	X	X		X
7	X	X		X

8.Assignments & Assessments-Program Outcomes (POs) RelationshipMatrix(Indicate the relationships by mark "X"

P-Outcomes / Assessments	a	b	c	d	e	f	g	h	i	J	k	l
1	X	X	X			X	X		X		X	X
2	X	X	X		X	X	X	X			X	X
3	X	X			X						X	X
4	X	X			X						X	X
5	X	X			X		X				X	

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9. Assignments & Assessments-Program Educational Objectives (PEOs) Relationship Matrix (Indicate the relationships by mark"X")

P-Objectives (PEOs) / Assessments	1	2	3	4
1	X	X		
2		X		
3		X	X	X
4		X		
5		X		

Assessment process and Relevant Surveys conducted:

9. Constituencies -Program Outcomes (POs) Relationship Matrix (Indicate the relationships by mark "X").

Constituencies

a. **Alumni**
b. **Governmentemployers**
c. **Students**

P-Outcomes / Constituencies	a	b	c	d	e	f	G	h	i	j	k	l
1	X	X	X	X	X	X	X		X	X		X
2	X	X	X	X	X	X	X		X			X
3	X	X			X	X	X	X		X	X	X

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INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

9	CO-Cognitive Level Mapping

CO	Cognitive Learning Level					
	1	2	3	4	5	6
1					X	
2	X					
3		X				
4					X	
5			X			
6			X			
7			X			

Cognitive Learning Levels:

CLL1: Remembering

CLL2: Understanding

CLL3: Applying

CLL4: Analyzing

CLL5: Evaluating

CLL6: Creating

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EVALUATION STRATEGY

Academic Year   : 2018-2019

Semester   : I

Name of the Program: EEE……… B.Tech   **… II …**.… Section: A/B

Course/Subject: Electrical Simulation Lab………Code: GR17A2039

Name of the Faculty: G.Sandhyarani/P.Sirisha   Dept: ….EEE…

Designation:Assistant Professor

1. TARGET:

  A) Percentage for pass: 100%

2. COURSE PLAN & CONTENT DELIVERY

- PPT presentation of the Lectures

- Solving exercise problems

- Model questions

  3. METHOD OF EVALUATION

    3.1 ☐ Daily Attendance

    3.2 ☐ Lab records and observation

    3.3 ☐ Mini Projects

    3.4 ☐ Viva Voce

    3.5 ☐ Internal Examination

    3.6 ☐   Semester/End Examination

4. List out any new topic(s) or any innovation you would like to introduce in teaching the subjects in this Semester.

 Signature of HOD   Signature of faculty
Date: Date:

B.Tech EEE IIYEAR I SEM RESULT ANALYSIS OF 2017-2021 BATCH ACADEMIC YEAR 2018-2019 TOTAL. NO. OF STUDENTS REGISTERED = 136

Subject	Total No. of students appeared	No. of students passed	No. of students failed	Grade Points							Pass percentage
				< 5	5	6	7	8	9	10	
ES	136	135	01	00	16	44	51	19	04	01	99.26%
EMF	136	117	19	00	17	22	34	28	19	03	86.02%
NT	136	120	16	00	08	23	30	25	28	06	88.23%
DCM	136	96	40	00	45	26	08	07	05	05	70.58%
DCM Lab	136	135	01	00	09	09	11	18	54	34	99.26%
EN Lab	136	136	00	00	01	10	09	11	44	58	100%
ES Lab	136	136	00	00	04	03	08	22	52	47	100%
SFCV	136	108	28	00	26	31	23	13	12	03	79.41%
CO	136	131	05	00	06	21	40	39	24	01	96.32%

Overall pass (passed in all subjects) = 85/ 136(62.50%)

Faculty

Environmental Science	Bh Sarojani Rani / Haritha Kirnmayi
Electromagnetic Fields	Syed Sarfaraz Nawaz
Network Theory	M Srikanth
DC Machines	Dr B Phaneendra Babu
Special Functions and Complex Variables	Dr Swapna
Computer Organization	P Ravikanth
DC Machines Lab	P Ravi Kanth/M Prashanth / D Srinivasa Rao
Electrical Networks Lab	Y Satyavani /G Bhaskar Rao
Electrical Simulation Lab	G Sandhya Rani / P Sirisha

ARREARS POSITION – CURRENT YEAR

Description	All pass	One Arrear	Two Arrears	Three Arrears	More than Three Arrears	% of pass
136	85	25	10	04	12	62.50%

Performance overall Class Three Toppers

ROLL NO.	NAME	PERCENTAGE(SGPA)
18245A0222	THIRUNAGARU DEEKSHITH	9.46
17241A0203	AGGARAPU HARI KRISHNA	9.42
17241A0217	DEVASANI PRIYANKA	9.33

18	Feedback from Students

Gokaraju Rangaraju Institute of Engineering & Technology
(Autonomous)

Summation of Teacher Appraisal by Student
Academic Year 2018-19

Name of the Instructor	G Sandya Rani
Faculty ID	888
Branch	EEE
Class and Semester/Section	II / I / A
Academic Year	2018-19
Subject Title	ES Lab
Total No. of Responses/class strength	51/72

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

S. No	Questions of Feedback	Average
1	How do the teacher explain the subject?	3.3269230769230771
2	The teacher pays attention to	3.2884615384615383
3	The Language and communication skills of the teacher is	3.4038461538461537
4	Is the session Interactive?	3.3076923076923075
5	Rate your teacher's explanation in clearing the doubts	3.3461538461538463
6	Rate your teachers commitment in completing the syllabus	3.2884615384615383
7	Rate your teachers punctuality	3.4038461538461537
8	Rate your teachers use of teaching aids	3.3269230769230771
9	Rate your teacher's guidance in other activities like NPTEL, Moodle, Swayam, Projects.	3.3461538461538463
10	What is your overall opinion about the teacher?	3.3846153846153846

Net Feedback on a scale of 1 to 4: 3.342307692307692

Gokaraju Rangaraju Institute of Engineering & Technology
(Autonomous)

Summation of Teacher Appraisal by Student
Academic Year 2018-19

Name of the Instructor	P Sirisha
Faculty ID	934
Branch	EEE
Class and Semester/Section	II / I / A
Academic Year	2018-19
Subject Title	ES Lab
Total No. of Responses/class strength	51/72

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

S. No	Questions of Feedback	Average
1	How do the teacher explain the subject?	3.1400000000000001
2	The teacher pays attention to	3.5
3	The Language and communication skills of the teacher is	3.21
4	Is the session Interactive?	3.4807692307692308
5	Rate your teacher's explanation in clearing the doubts	3.25
6	Rate your teachers commitment in completing the syllabus	3.5576923076923075
7	Rate your teachers punctuality	3.1699999999999999
8	Rate your teachers use of teaching aids	3.27
9	Rate your teacher's guidance in other activities like NPTEL, Moodle, Swayam, Projects.	3.1899999999999999
10	What is your overall opinion about the teacher?	3.1400000000000001

Net Feedback on a scale of 1 to 4: 3.2908461538461538

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Electrical & Electronics Engineering

Gokaraju Rangaraju Institute of Engineering & Technology
(Autonomous)

Summation of Teacher Appraisal by Student
Academic Year 2018-19

Name of the Instructor	G Sandya Rani
Faculty ID	888
Branch	EEE
Class and Semester/Section	II / I / B
Academic Year	2018-19
Subject Title	ES Lab
Total No. of Responses/class strength	48/72

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

S. No	Questions of Feedback	Average
1	How do the teacher explain the subject?	3.2542372881355934
2	The teacher pays attention to	3.2881355932203391
3	The Language and communication skills of the teacher is	3.3220338983050848
4	Is the session Interactive?	3.3559322033898304
5	Rate your teacher's explanation in clearing the doubts	3.2203389830508473
6	Rate your teachers commitment in completing the syllabus	3.2372881355932202
7	Rate your teachers punctuality	3.3050847457627119
8	Rate your teachers use of teaching aids	3.1694915254237288
9	Rate your teacher's guidance in other activities like NPTEL, Moodle, Swayam, Projects.	3.1864406779661016
10	What is your overall opinion about the teacher?	3.2542372881355934

Net Feedback on a scale of 1 to 4: 3.2593220338983051

Gokaraju Rangaraju Institute of Engineering & Technology
(Autonomous)

Summation of Teacher Appraisal by Student
Academic Year 2018-19

Name of the Instructor	P Sirisha
Faculty ID	934
Branch	EEE
Class and Semester/Section	II / I / B
Academic Year	2018-19
Subject Title	ES Lab
Total No. of Responses/class strength	48/72

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

S. No	Questions of Feedback	Average
1	How do the teacher explain the subject?	3.3050847457627119
2	The teacher pays attention to	3.1355932203389831
3	The Language and communication skills of the teacher is	3.2542372881355934
4	Is the session Interactive?	3.2542372881355934
5	Rate your teacher's explanation in clearing the doubts	3.1355932203389831
6	Rate your teachers commitment in completing the syllabus	3.2372881355932202
7	Rate your teachers punctuality	3.1864406779661016
8	Rate your teachers use of teaching aids	3.2881355932203391
9	Rate your teacher's guidance in other activities like NPTEL, Moodle, Swayam, Projects.	3.2542372881355934
10	What is your overall opinion about the teacher?	3.3389830508474576

Net Feedback on a scale of 1 to 4: 3.238983050847458

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Department of Electrical & Electronics Engineering

RUBRIC

OBJECTIVE: **Work effectively with others**

STUDENT OUTCOME: **Ability to function in a multi-disciplinary team**

S.No.	Student Name	Performance Criteria	Unsatisfactory	Developing	Satisfactory	Exemplary	Score
			1	2	3	4	
1.	A.Sai Bhavani (17241A0262)	**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.	4
		Fulfill team role's	Does not perform any duties of assigned team role.	Performs very little duties.	Performs nearly all duties.	Performs all duties ofassigned team role.	4
		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	Is always talking--never	Usually doing most	Listens, but	Listens and	4

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		mates	allows anyone else to speak.	of the talking-- rarely allows others to speak.	sometimes talks too much.	speaks a fair amount.	
						Average score	4
2.	L.Ganesh Chandra (17241A0291)	**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	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

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		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	3
3	Sri Phani tejaswi (17241A0289)	**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.	2
		Fulfill team role's	Does not perform any duties of assigned team role.	Performs very little duties.	Performs nearly all duties.	Performs all duties of assigned team role.	2
		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	2

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							reminded .	
		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.	22	
							Average score	2

Signature of HOD   Signature of Faculty

Date: Date:

Department of Electrical & Electronics Engineering

COURSE COMPLETION STATUS

Academic Year   : 2018-2019

Semester   : I

Name of the Program: EEE……… B.Tech **II …**.… Section: A/B

Course/Subject: Electrical Simulation Lab………Code: GR17A2039

Name of the Faculty:
G.Sandhyarani/P.Sirisha   Dept: ….EEE…

Designation:Assistant Professor

Actual Date of Completion & Remarks, if any

Program	Remarks	No. of Objectives Achieved	No. of Outcomes Achieved
1	1 & 2 programs completed by 18/07/1		
2		2,3,4	2,4
3	3 & 4 programs completed by 22/07/18		
4		1,3	2,4
5	5 program completed by 26/07/18	1,3	2,4
6	6 program completed by 29/07/18	1,3	2,4
7	7 program completed by 02/08/18	1,3	2,4
8	8 program completed by 16/08/18	1,3	2,4
9	9 program completed by 23/08/18	1,3	2,4
10	10 program completed by 30/08/18	1,3	2,4
11	11 & 12 program completed by 06/09/18	1,2	2,3
12		1,3	2,1,5
13	13 program completed by 13/09/18	1,3	2,1,5
14	14 programs completed by 27/09/18	1,3	2,1,5
15	15 programs completed by 11/10/18	2,3	1,2,3,6,7

Signature of HOD   Signature of Faculty
Date: Date:

Department of Electrical & Electronics Engineering

GUIDELINES TO STUDY THE COURSE/SUBJECT

Academic Year   : 2018-2019

Semester   : I

Name of the Program: EEE……… B.Tech   **… II …**.… Section: A/B

Course/Subject: Electrical Simulation Lab………Code: GR17A2039

Name of the Faculty: G.Sandhyarani/P.Sirisha   Dept: ….EEE…

Designation:Assistant Professor

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

Signature of HOD   Signature of faculty
Date: Date:

Department of Electrical & Electronics Engineering

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

Design	Know	Understand		

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 Identify	Convert Describe (a Procedure) Distinguish Explain why/how	Demonstrate Prepare Relate Show Solve	Differentiate Discriminate Distinguish Separate	Categorize Combine Design Generate Plan	Compare

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