



Gokaraju Rangaraju Institute of Engineering and Technology
Department of Electrical and Electronics Engineering

Resolutions of BOS (Board of Studies) meeting held on 09-05-2022.

1. Approval of Course Structure (I, II, III & IV B.Tech), Syllabus (I & II B.Tech) (Electrical and Electronics Engineering) & M.Tech (Power Electronics) GR22 Regulations.

Members Present:

Dr. Phaneendra Babu Bobba
Professor & HOD, EEE, GRIET



Chairperson

Sri.P.Venkata Narayana
Associate Professor, EEE, JNTUH



University Nominee

Dr.K.Siva Kumar
Professor,
EEE-IIT Hyderabad



External Expert

Dr. K.Ramesh Reddy
Professor and Principal
EEE-GNITS



External Expert

Dr. B.V. Ravi Kumar
Scientist 'F', DRDO


Industry Nominee

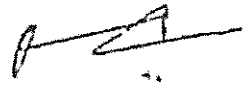
Dr. J. Praveen
Professor and Principal
EEE-GRIET


Member

Dr. Dola Gobina Padhan
Professor, EEE, GRIET


Member

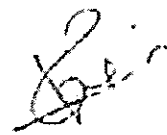
Dr. J. Sridevi
Professor, EEE, GRIET


Member

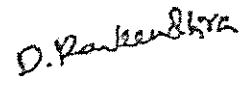
Dr. T. Suresh Kumar
Professor, EEE, GRIET


Member

Mr. V. Vijaya Rama Raju
Associate Professor, EEE, GRIET


Member

Dr. D. Raveendhra
Associate Professor, EEE, GRIET


Member

U. Vijaya Laxmi
Assistant Professor, EEE, GRIET


Alumni Member



Minutes of Meeting of Board of Study Meeting on 09 May 2022

Department of EEE, GRIET, Hyderabad

GRIET/EEE/21-22

09 May 2022

Minutes of meeting of EEE Department BoS held on 09 May 2022 through Hybrid mode (Venue: Room no 4412 for offline and Zoom meeting for online) at 11:00 AM. The following members were present:

1. Dr. Phaneendra Babu Bobba, Professor and HOD, EEE, GRIET, Chairperson
2. Sri P Venkata Narayana, Associate Professor, EEE, JNTUH, Hyderabad, University Nominee
3. Dr.K.Siva Kumar, Professor, EEE, IIT Hyderabad, External Expert
4. Dr. K.Ramesh Reddy, Principal and Professor, EEE, GNITS, Hyderabad, External Expert
5. Dr B V Ravi Kumar, Scientist F, RCI, DRDO, Hyderabad, Industry Nominee
6. Dr. J Praveen, Professor, Principal, GRIET, Member
7. Dr. J. Sridevi, Professor EEE, GRIET, Member
8. Dr. Dola Gobinda Padhan, Professor, EEE, GRIET, Member
9. Dr. T Suresh Kumar, Professor, EEE, GRIET, Member
10. Dr. Raveendra Dogga, Associate Professor, EEE, GRIET, Member
11. Mr V.Vijaya Rama Raju, Associate Professor, EEE, GRIET, Member
12. Mrs U Vijaya Lakshmi, Assistant Professor, EEE, GRIET, Alumni Member

Chairperson extended his warm welcome to all members of the committee. The following agenda points were discussed.

Agenda:

To finalise GR22 Regulations for the following :

- B.Tech (EEE) Course Structure
- B.Tech (EEE) I & II Syllabus
- M.Tech (Power Electronics) Course Structure
- M.Tech (Power Electronics) Syllabus
- Fundamental of Electrical Engineering (FEE) for B.Tech (Except EEE)
- PEE for B.Tech (CSBS)
- PEE Lab for B.Tech (CSBS)
- BEE for B.Tech (Civil)

Sl No	Item
1.	GR22 B.Tech (EEE) I, II, III and IV year Course Structures approved and finalized
2.	For I/I, BEE (for EEE) syllabus it was suggested to remove "Three phase balanced circuits". It was suggested to incorporate "Network Analysis for AC and DC".
	It is compiled as per suggestions and finalised.

3.	For I/I, BEE Lab syllabus (EEE) is modified and finalised as per the suggestions.
4.	For I/I, Fundamental of Electrical Engineering (FEE) for B.Tech (Except EEE), PEE for B.Tech (CSBS), PEE Lab for B.Tech (CSBS), BEE for B.Tech(Civil) are discussed and finalized.
5.	For II/I, Electrical Circuit Analysis, the following are the modifications as per suggestions Unit-I: Three Phase Circuits Unit -II: Network Theorems (AC) , Solution of First and Second order networks Unit-III: Electrical Circuit Analysis using Laplace Transforms Unit-IV: Two Port Networks Unit-V: Fourier Series and Fourier Transform
6.	For II/I, Principles of Analog Electronics, it was suggested to remove "Simulation of rectifiers, clipper and clamper circuits using MATLAB", "Simulation of Op-amp using MATLAB". Also, it was suggested to shift "DIGITAL TO ANALOG AND ANALOG TO DIGITAL CONVERTERS" to Principle of Digital Electronics subject (in II/II). It is compiled as per suggestions and finalised.
7.	For II/I, DC MACHINES AND TRANSFORMERS, it was suggested to incorporate the following Unit-I: remove "Principle Electro-mechanical energy conversion", incorporate lap and wave windings, winding diagram Unit-II: Incorporate "Characteristics of all generators and Applications" Unit-III: remove "Simulation DC motor modelling using MATLAB" and "dot convention". Incorporate "Testing of DC motors" Unit-IV: remove "Simulation of single phase transformer in MATLAB". Incorporate "Auto transformers". Unit-III: Incorporate Testing of three phase transformers It is compiled as per suggestions and finalised.
8.	For II/I, PRINCIPLES OF ANALOG ELECTRONICS LAB, it was suggested to incorporate CB,CC, CE configurations for BJT (Task 5) and JFET (Task 6). Combine Task 7 and Task 8. BJT Amplifier and DC Oscillator circuit to be added. It is compiled as per suggestions and finalised.
9.	For II/I, DC MACHINES AND TRANSFORMERS LAB, the following points were suggested Task 1: Incorporate "load test" in place of "Speed Control" Also, incorporate an experiment on "Test on Autotransformer" and transient analysis of DC machine. It is compiled as per suggestions and finalised.
10.	For II/II, AC MACHINES, it was suggested to remove all Simulation related topics from theory. Interchange Unit III and Unit V. Incorporate "Testing of Synchronous motors" in Synchronous motors Unit. It is compiled as per suggestions and finalised.
11.	For II/II, CONTROL SYSTEMS, it was suggested to remove all Simulation related topics from theory. Replace "Eigen values and stability analysis" with "Solution of state equations" It is compiled as per suggestions and finalised.

12.	For I/II, PRINCIPLES OF DIGITAL ELECTRONICS, it was suggested to incorporate UJT. It is compiled as per suggestions and finalised.
13.	For II/II, AC MACHINES LAB, it was suggested to incorporate Portier triangle method, slip torque test and circle diagram of IM. It is compiled as per suggestions and finalised.
14.	For Fundamental of Electrical Engineering (FEE) for B.Tech (Except EEE) ,it was suggested to incorporate "Polyphase circuit" in Unit-III and also, "Digital multimeter", "MI and MC meters" in Unit-V. It is compiled as per suggestions and finalised.
15.	Syllabus for PEE for B.Tech (CSBS) and PEE Lab for B.Tech (CSBS) are approved and finalised.

MTech. Power Electronics

Sl. No	Item
1	Suggested to keep Audit Courses Credits to "0"
2	Suggested to introduce Power Electronics for Renewable Energy Systems in the place of Renewable Energy Systems
3	GR 22 M.Tech. (PE) Syllabus
4	Suggested to change the syllabus in "POWER QUALITY AND FACTS" Merging Unit-V with Unit II Splitting Unit-IV into Unit-IV and Unit-V
5	Suggested to introduce experiment related to STATCOM in POWER QUALITY LAB
6	Suggested to rename chapter -5 of ELECTRIC DRIVES SYSTEM
7	Suggested to give full details about chapter -5 of DYNAMICS OF ELECTRICAL MACHINES
8	Suggested to rename the experiments of ELECTRICAL DRIVES LAB by altering MATLAB/PSPICE/PSIM software with MATLAB software
9	Suggested to introduce Power Electronics for Renewable Energy Systems in the place of Renewable Energy Systems

B. Ph. 2.
HoD EEE
GRIET, Hyderabad

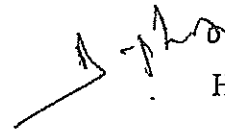


Gokaraju Rangaraju Institute of Engineering and Technology
Department of Electrical and Electronics Engineering

Dt: 01.02.2022

Circular (PAE. Meeting)

All the faculty are requested to attend internal BOS meeting for GR22 regulation on 04-02-2022 at 2.00 PM in Room No. 4412 for analyzing the need for curriculum revision for the academic year 2022-2023 (BTech, MTech).



HOD, EEE.
GRIET



Gokaraju Rangaraju Institute of Engineering and Technology
Department of Electrical and Electronics Engineering

Dt: 08.02.2022

Circular (PAC Meeting)

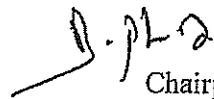
All the faculty are requested to attend internal BOS meeting on 10-02-2022 at 2.00 PM in Room No.4412 for both BTech and MTech.

Agenda

1. New Course Proposals
2. Course credits
3. Special credit courses
4. Changes in Elective Designations
5. Changes in Course Title

Members Present:

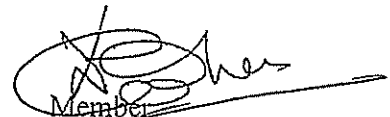
Dr. Phaneendra Babu Bobba
Professor & HOD, EEE, GRIET


Chairperson

Dr. J. Praveen
Professor and Principal
EEE-GRIET


Member


Dr. Dola Gobina Padhan
Professor, EEE, GRIET


Member

Dr.J.Sridevi
Professor, EEE, GRIET


Member

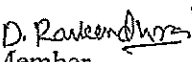
Dr.T.Suresh Kumar
Professor, EEE, GRIET


Member

Dr. V.Vijaya Rama Raju
Associate Professor, EEE, GRIET


Member

Dr. D.Raveendra
Associate Professor, EEE, GRIET


Member

U. Vijaya Laxmi
Assistant Professor , EEE, GRIET


Alumni Member



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Department of Electrical and Electronics Engineering

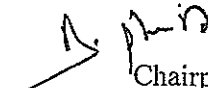
Dt: 11.03.2022

Circular (PAC Meeting)

All the faculty are requested to attend internal BOS meeting on 15-03-2022 at 10.00 PM in Room No.4412 for preparation of final Course Structure and Syllabus of GR22 Regulation (BTech and MTech).

Members Present:


Dr. Phaneendra Babu Bobba
Professor & HOD, EEE, GRIET


Chairperson


Dr. J. Praveen
Professor and Principal
EEE-GRIET


Member

Dr. Dola Gobina Padhan
Professor, EEE, GRIET


Member

Dr. J. Sridevi
Professor, EEE, GRIET


Member

Dr.T.Suresh Kumar
Professor, EEE, GRIET



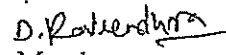
Member

Dr.V.Vijaya Rama Raju
Associate Professor, EEE, GRIET



Member

Dr. D.Raveendra
Associate Professor, EEE, GRIET



Member

U.Vijaya Laxmi
Assistant Professor , EEE, GRIET



Alumni Member



Gokaraju Rangaraju Institute of Engineering and Technology
Department of Electrical and Electronics Engineering

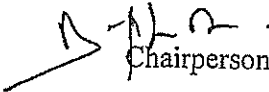
Dt: 18.04.2022

Circular (PAC Meeting)

All the faculty are requested to attend internal BOS meeting on 20-04-2022 at 10.00 PM in Room No.4412 for preparation of final Course Structure and Syllabus of GR22 Regulation (BTech and MTech).

Members Present:

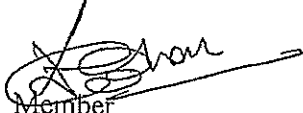
Dr. Phaneendra Babu Bobba
Professor & HOD, EEE, GRIET


Chairperson

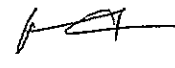
Dr.J.Praveen
Professor and Principal
EEE-GRIET


Member

Dr.Dola Gobina Padhan
Professor, EEE, GRIET


Member

Dr.J.Sridevi
Professor, EEE, GRIET


Member

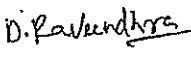
Dr.T.Suresh Kumar
Professor, EEE, GRIET


Member


Dr.V.Vijaya Rama Raju
Associate Professor, EEE, GRIET


Member

Dr. D.Raveendra
Associate Professor, EEE, GRIET

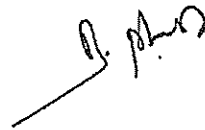

Member

U.Vijaya Laxmi
Assistant Professor , EEE, GRIET


Alumni Member

Changes made in Curriculum

1. New subject "**Graphics for Engineers**" has been introduced in II semester of GR22 regulation.
2. New subject "**Computational Mathematics for Engineers**" has been introduced in II year I semester of GR22.
3. New subject "**Data Base for Engineers**" has been introduced.
4. For GR22 "**Microprocessors and Microcontrollers**" subject has been shifted to II semester earlier it was in III year I sem.
5. "**Power Distribution and Protection**", subject has been shifted to III year I semester in GR22 regulation. As it was in II year I semester in GR20 regulation.
6. Introduced the subject "**PCB Design**" as a Professional Elective VI. PCB design combines many of the fundamental concepts in electrical and electronics engineering with a focus on designing a physical product.





Gokaraju Rangaraju Institute of Engineering and Technology
Department of Electrical and Electronics Engineering

Resolutions of BOS (Board of Studies) meeting held on 09-11-2023.

1. Approval of Syllabus of III and IV B.Tech (Electrical and Electronics Engineering) for GR22 Regulations.


Members Present:

Prof. V.Vijaya Rama Raju
Professor & HoD,
EEE, GRIET



Chairman

Dr. S. Tara Kalyani
Senior Professor & Director of UIIC,
EEE, JNTUH



University Nominee

Dr.K.Siva Kumar
Professor & HoD
EE-IIT Hyderabad



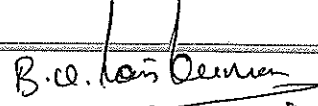
External Expert

Dr. K.Ramesh Reddy
Professor and Principal
EEE-GNITS




External Expert

Dr.B.V. Ravi Kumar
Scientist 'F', Research Center Imarat
DRDO


Industry Nominee


Dr.J.Praveen
Professor and Principal
EEE-GRIET


Member

Dr.J.Sridevi
Professor, EEE, GRIET


Member

Dr.Dola Gobina Padhan
Professor, EEE, GRIET


Member

Dr. Phaneendra Babu Bobba
Professor, EEE, GRIET


Member

U.Vijaya Laxmi
Assistant Professor, EEE, GRIET


Alumni Member

S.No	Discussion Points	Suggested by
III Year I Sem		
1	Include Numeric Problems in "Power Electronics"	University Nominee

2	Include MATLAB simulation in “Electrical Hybrid Vehicles”	Industry Expert
3	Include simulation in “Solar and Wind Energy Systems”	Industry Expert
III Year II Sem		
1	Revise certain topics in Unit-I and Elaborate the topics in all other units of “Wide Band Gap Power Devices”	University Nominée
IV Year I Sem		
1	Include industry applications in each unit of “Artificial Neural Networks and Fuzzy Logic”	Industry Expert
2	Elaborate the title “Basics of DSP Lab”	University Nominee
IV Year II Sem		
1	Elaborate the title “PCB Design”	University Nominee
2	Revise certain topics in Unit-IV in “Big Data Applications in Power Systems”	University Nominee
Note: Reviewed PEOs POs/PSOs are reviewed and approved for B.Tech Program for Electrical and Electronics Engineering		


HOD-EEE



Gokaraju Rangaraju Institute of Engineering and Technology
Department of Electrical and Electronics Engineering

Resolutions of BOS (Board of Studies) meeting held on 18-08-2023

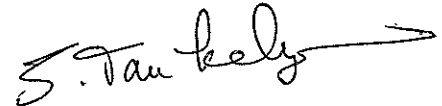
1. Syllabus for Fundamental of Electrical Engineering (Theory) & Fundamental of Electrical Engineering (Laboratory) for B.Tech-CSE (Artificial Intelligence) and B.Tech-Computer Science and Information Technology branches of I B.Tech. under GR22 Regulations is approved.

Members Present:

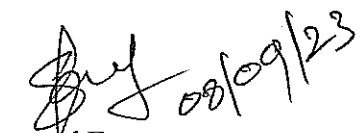
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University Nominee

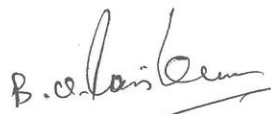
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Professor , EEE, GRIET


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Dr.Dola Gobina Padhan
Professor, EEE, GRIET


Member

Dr.T.Suresh Kumar
Professor, EEE, GRIET


Member

Dr. V.Vijaya Rama Raju
Professor, EEE, GRIET


Member

U.Vijaya Laxmi
Assistant Professor, EEE, GRIET


Alumni Member



Gokaraju Rangaraju Institute of Engineering and Technology
Department of Electrical and Electronics Engineering

Resolutions of PAC (Programme Assesment Committee) meeting held on 10-08-2023

1. Syllabus for Fundamental of Electrical Engineering & Fundamental of Electrical Engineering Lab for B.Tech-CSE (Artificial Intelligence) and B.Tech-Computer Science and Information Technology branches of I B.Tech under GR22 Regulations is approved.


Members Present:

Dr. Phaneendra Babu Bobba
Professor & HOD, EEE, GRIET



Chairperson

Dr.J.Praveen
Professor and Principal
EEE-GRIET




Member

Dr.J.Sridevi
Professor, EEE, GRIET



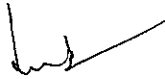
Member

Dr.Dola Gobina Padhan
Professor, EEE,GRIET



Member

Dr.T.Suresh Kumar
Professor, EEE, GRIET



Member

Dr. V.Vijaya Rama Raju
Professor, EEE, GRIET



Member

U.Vijaya Laxmi
Assistant Professor, EEE, GRIET



Alumni Member



Gokaraju Rangaraju Institute of Engineering and Technology
Department of Electrical and Electronics Engineering

Dt: 2.06.2020

Circular

All the faculty are requested to attend internal BOS meeting (PAC meeting) for GR2 regulations for B.Tech III and IV years on 4-06-2020 at 2.00 PM in Room No. 4412 for finalizing Course Structure/syllabus.

HOD, EEE.

GRIET



Gokaraju Rangaraju Institute of Engineering and Technology
Department of Electrical and Electronics Engineering

Dt: 15.06.2020

Circular

All the faculty are requested to attend internal BOS meeting (PAC meeting) on 18-06-2020 at 12.00 PM in Room No.4412 for GR22 regulations for B. Tech III and IV years.

Agenda

1. Course Structure
2. Course Objectives
3. Course Outcomes

Members Present :

Dr. J.Sridevi
Professor & HOD , EEE, GRIET


Chairperson

Dr. J. Praveen
Professor and Principal
EEE-GRIET


Member

Dr. Dola Gobina Padhan
Professor, EEE, GRIET


Member

Dr. T Suresh Kumar
Professor , EEE, GRIET


Member

Dr. Phaneendra Babu Bobba
Professor , EEE, GRIET


Member

Sri V.Vijaya Rama Raju
Associate Professor , EEE, GRIET


Member

U.Vijaya Laxmi
Assistant Professor , EEE, GRIET


Alumni Member



Gokaraju Rangaraju Institute of Engineering and Technology
Department of Electrical and Electronics Engineering

Resolutions of PAC (Programme Assessment Committee) meeting held on 6-07-2020.

1. Approval of Syllabus of III and IV B.Tech (Electrical and Electronics Engineering) for GR20 Regulations.

Members Present :

Dr. J.Sridevi
Professor & HOD , EEE, GRIET


Chairperson

Dr. J. Praveen
Professor and Principal
EEE-GRIET


Member

Dr. Dola Gobina Padhan
Professor, EEE,GRIET


Member

Dr. T Suresh Kumar
Professor , EEE, GRIET


Member

Dr. Phaneendra Babu Bobba
Professor , EEE, GRIET


Member

Sri V. Vijaya Rama Raju
Associate Professor , EEE, GRIET


Member

U. Vijaya Laxmi
Assistant Professor , EEE, GRIET


Alumni Member



Gokaraju Rangaraju Institute of Engineering and Technology

Department of Electrical and Electronics Engineering

Minutes of Meetings

All the faculty are requested to attend internal BOS meeting (P.A.C meeting) for GR20 regulation for BTech III and IV year on 06-07-2020 at 10.00 AM in Room No. 4412.

BTech (EEE)- GR20

Changes made for Curriculum Improvement

III Year I Sem- Curriculum

- Introduced “Power System Analysis” both as theory and lab in the I semester of GR20 regulation.
- Introduced “Sensors, Measurements and Actuators” in the first semester by adding sensors and actuators concept in the previous existing subject, Measurements and Instrumentation in GR18 regulation.

III Year II Sem – Curriculum

- Introduced new subjects “Wide band gap Power Devices” as a Professional Elective -II.

IV Year I Sem -Curriculum

- Introduced the subject “Special Electrical Machines” and “Electrical Energy Audit, VLSI Design” as a Professional Elective IV.

IV Year II Sem -Curriculum

- Introduced “Modern Control Theory” as an Open Elective V.

All the PEO's, POs and PSO's for B. Tech EEE and M.Tech power Electronics are reviewed and finalized.

B.O.S