

Maisammaguda (V), Dhulapally (P)
Near Kompally, Medchal (M), Secunderabad - 500 100.
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NARSIMHA REDDY ENGINEERING COLLEGE

UGC AUTONOMOUS

Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad
Accredited by NAAC with 'A' Grade & NBA, UGC 2(f) & 12(B)

13th October, 2023

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

BoS MEETING MINUTES

The Board of Studies meeting of Department of Electrical and Electronics Engineering was held on 12-10-2023 (Thursday) at 3.30 PM via online mode.

Meeting Details

Date : 12-10-2023

Time : 3.30 PM to 6.30 PM

Mode : Online, Zoom Meeting

Link : <https://us04web.zoom.us/j/75885673361?pwd=dxH2vflYsPaoijlYufxuKNwMlSdwb7.1>

Venue : Department of EEE, Narsimha Reddy Engineering College.

AGENDA

1. Approval of NR23- B.Tech- EEE Course structure for the students admitted from 2023-2024 onwards.
2. Approval of NR23- EEE-Syllabus upto II Year II Semester for the students admitted from 2023-2024 onwards.
3. Approval of NR23- EEE-Subjects Syllabus offered to other department of B.Tech Programmes for the students admitted from 2023-2024 onwards.
4. Any other points.



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MEMBERS OF THE BOARD OF STUDIES:

S.No	Name of the Member	Designation	Role of the BoS
1.	Dr. C.Sasikala	Professor & HOD	Chair person
University Nominee			
2.	Dr. S. Tara Kalyani	Senior Professor and Director of UIIC. JNTUH, Hyderabad, Telangana.	Member
Subject Experts Nominated by the Academic Council			
3.	Dr. T. Anil Kumar	Professor & HoD, Department of Electrical and Electronics Engineering, Anurag University, Hyderabad, India.	Member
4.	Dr. P. Muthukumar	Associate Professor, Department of Electrical and Electronics Engineering, Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada. AP, India.	Member
Industry Representative			
5.	Mr. S. K. Banerjee	Technical Delivery Manager, Microsoft, Hyderabad, India.	Member
Department Faculty			
6.	Dr. K. Eswaramoorthy	Professor	Member
7.	Dr. Lekshmi Sree B	Associate Professor	Member
8.	Mr. M. Ravindar	Associate Professor	Member
9.	Ms. Rajeshwari Bhol	Assistant Professor	Member
10.	Mrs.B.Srujana	Assistant Professor	Member
11.	Mr.V.Prashanth	Assistant Professor	Member
12.	Mr.J Anjaiah	Assistant Professor	Member
Alumni			
13.	Ms.M.Jeshwini	Alumni	Member

Dr.C.Sasikala – Chairperson – Board of Studies welcomed all the members of the Third Board of Studies meeting of the Electrical and Electronics Engineering department. The meeting was thereafter deliberated by Dr. K.Eswaramoorthy on agenda items.

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The members of the Board of Studies discussed the agenda, item wise and resolved as per the details given below

ITEM-1:	To consider and Approval of NR23- B.Tech- EEE Course Structure for the students admitted from 2023-2024 onwards.
	<p>The Board of Studies (BoS) convened to consider and subsequently approve the NR23 course structure for the current academic year, catering to the Electrical and Electronics Engineering (EEE) students admitted in 2023-2024. A series of modifications and updates were proposed and discussed, resulting in the following key changes:</p> <ol style="list-style-type: none"> 1. In Professional Elective – I suggested to include “Electrical Installation and Estimation” as an additional course in the proposed course structure. 2. In Professional Elective – II suggested to include “Energy Management and Auditing” as an additional course in the proposed course structure. 3. As major syllabus of “Electrical Distribution Systems” was studied in Power System-I, Power System-II, Power System Protection and Power System Operation and Control in place of Electrical Distribution Systems recommended to include “Introduction to PLC/SCADA Programming” in Professional Elective – VI. 4. In Open Elective – III course of “Reliability Engineering” for IV year II semester syllabus of EEE was substituted by “Electrical Safety Engineering”. 5. The course structure meticulously adheres to AICTE / JNTUH guidelines, ensuring a consistent allocation of 20 credits per semester and upholding a total of 160 credits across the curriculum.
Resolutions:	After detailed discussion, the BoS Members approved NR23- B.Tech- EEE Course Structure for the students admitted from 2023-2024 onwards.
ITEM-2:	To consider and Approval of NR23- EEE-Syllabus upto II Year II Semester for the students admitted from 2023-2024 onwards.
	Modification and suggestions given by the BoS members
	<u>B.Tech I Year I-Semester (EEE Syllabus)</u>
	ELECTRICAL CIRCUIT ANALYSIS-I
	<ol style="list-style-type: none"> 1. The topic "Ohm's Law" has been included in unit-1 of the syllabus. 2. The topic "Tellegen's Theorem" has been removed from unit-3. 3. The topic "Analysis of Power Triangle" has been included in unit-4.
	<u>B.Tech. II Year I Semester</u>
	ELECTRICAL MACHINES-I
	<ol style="list-style-type: none"> 1. The topics of “simplex and multiplex windings, causes for failure to self-excited and remedial measures” have been removed from unit-1. 2. The topic of “Testing of DC Machines” has been renamed as “Losses in DC Machines” in unit-2 of the syllabus.



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	<p>3. The topic of “Auto transformer-constructural details and operation” has been included in unit-4 of the syllabus.</p> <p style="text-align: center;">ELECTRICAL SIMULATION TOOLS LABORATORY</p> <p>4. Members suggested conducting minimum of 10 experiments in prescribed laboratory syllabus.</p> <p style="text-align: center;">ELECTRICAL MACHINES LABORATORY –I</p> <p>1. The proposal is to include the experiment "Sumpner's test on a pair of single-phase transformers" from Electrical Machines-II Laboratory syllabus, as it's covered in Electrical Machines-I theory.</p> <p style="text-align: center;"><u>B.Tech. II Year II Sem.</u></p> <p style="text-align: center;">MEASUREMENTS AND INSTRUMENTATION</p> <p>1. It was proposed to remove the topics of "Owen's bridge" and "Measurement of capacitance and loss angle" in Unit-IV, and the members approved this proposal.</p> <p style="text-align: center;">ELECTRICAL MACHINES LABORATORY –II</p> <p>1. The proposal is to remove the experiment "Sumpner's test on a pair of single-phase transformers" as it's covered in Electrical Machines-I theory. The experiment "Load test on single-phase induction motor" was included, in line with the Electrical Machines-II theory.</p>
Resolutions:	After detailed discussion the BoS Members approved NR23- EEE-Syllabus upto II Year II Semester for the students admitted from 2023-2024 onwards.
ITEM-3:	<p>To consider and Approval of NR23- EEE-Subjects Syllabus offered to other departments of B.Tech Programmes for the students admitted from 2023-2024 onwards.</p> <p>Modification and suggestions given by the BoS members</p> <p style="text-align: center;"><u>B.Tech I Year I & II-Semester</u></p> <p style="text-align: center;">Common CSE, AI&ML, CS, IT, ECE</p> <p style="text-align: center;">BASIC ELECTRICAL ENGINEERING</p> <p>1. The topic "Ohms Law" has been included in Unit-1 as per the suggestion of members.</p> <p>2. Dr.Anilkumar recommended removing the topics of “Auto-transformer and three-phase transformer connections” in unit-3.</p> <p>3. The topic “Testing of Transformer–OC & SC test" has been included in unit-III as per the Basic Electrical Engineering Laboratory Syllabus.</p> <p>4. Dr. S.TaraKalyani and Dr.Anilkumar are suggested the following topics in Unit-V</p> <p>UNIT-V: Electrical Installations: Components of LT Switchgear: Switch Fuse Unit (SFU), MCB, Types of Wires and Cables, Earthing. Types of Batteries, power factor improvement and battery backup.</p>



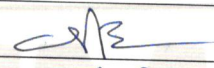
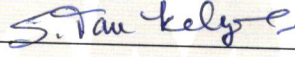
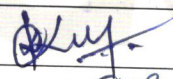
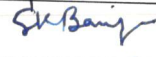
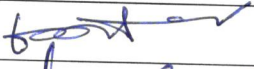
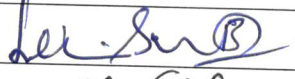
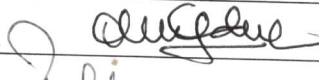

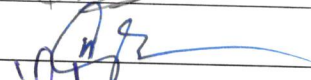


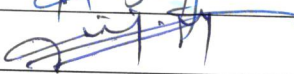
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	<p align="center"><u>B.Tech. I Year I & II Sem</u></p> <p align="center">BASIC ELECTRICAL ENGINEERING LABORATORY</p> <p>1. The experiment of "Ohm's Law" has been included in Part-B of the syllabus.</p>
	<p align="center"><u>II Year I Sem – CIVIL</u></p> <p align="center"><u>II Year II Sem – MECH</u></p> <p align="center">BASIC ELECTRICAL AND ELECTRONICS ENGINEERING</p> <p>1. Dr.Anilkumar recommended removing the topics from UNIT - IV: P-N Junction and Zener Diode are "Temperature dependence, Ideal versus practical, Static and dynamic resistances, Equivalent circuit".</p>
Resolutions :	After detailed discussion the BoS Members approved the syllabus of "Basic Electrical and Electronics Engineering" theory and laboratory course offered to CSE, AI&ML, CS, IT, ECE branches at B.Tech I Year and "Basic Electrical And Electronics Engineering" theory and laboratory for the MECH & Civil Students during II Year –II semester.
ITEM-5-BoS-:	Any other points
	The meeting concluded with a vote of thanks by Dr. K.Eswaramoorthy for Board of Studies members.

S.No	Name of the BoS Member	Signature
1.	Dr. C.Sasikala	
2.	Dr. S. Tara Kalyani	
3.	Dr. T. Anil Kumar	
4.	Dr. P. Muthukumar	
5.	Mr. S. K. Banerjee	
6.	Dr. K. Eswaramoorthy	
7.	Dr. Lekshmi Sree B	
8.	Mr. M. Ravindar	
9.	Ms. Rajeshwari Bhol	
10.	Mrs.B.Srujana	
11.	Mr.V.Prashanth	
12.	Mr.J Anjaiah	
13.	Ms.M.Jeshwini	


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