



SIR C R REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

VATLURU, ELURU - 534 007, ELURU DIST., ANDHRA PRADESH, INDIA

Approved by AICTE, Accredited by NBA (U.G. : CSE, IT, ECE, EEE, ME), Permanently Affiliated to JNTUK, Kakinada
www.sircrrengg.ac.in, Phone Off : (08812) 230840, Email : principal.sircrrengg@gmail.com

Invitation letter

Ref: CRRCOE/BOS/2024-25/2

Date: 21-04-2025

To:

The Board of Studies Members

Dear Sir/Madam,

Subject: Invitation letter for the Board of Studies (BoS) meeting – Agenda of the meeting – Reg.,

The meeting of the **Board of Studies of Electrical and Electronics Engineering** (EEE) is scheduled on **24-04-2025 at 9.30 AM** in the A.C. Computer Center of EEE Dept., Sir C. R. Reddy College of Engineering, Eluru. You are invited to attend the meeting and provide us with valuable inputs and suggestions for improving the quality of education and propose suggestions on Syllabus revision as per the present industry requirements.

Agenda of the meeting:

1. Review on the minutes of the last Board of studies meeting and ratify the same.
2. To approve the 2nd year course structure and syllabus for B.Tech (EEE).
3. To approve the 2nd year course structure and syllabus for M. Tech (PSA).
4. To approve Course Outcomes (COs) for all the B.Tech and M.Tech 2nd year courses.
5. To approve the Model question paper for Mid and End examinations.
6. Any other item with the permission of the chair



Chairman, EEE-BOS

MR
21/04/2025
(Dr. A Srinivasa Reddy)
Head of the Dept.
Electncal and Electronics Engineering
Sir C R.Reddy College of Engineering
ELURU - 534 007



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2nd Board of studies Meeting in the Department of Electrical and Electronics Engineering

Meeting Mode	: Through <u>online</u> (ZOOM) by External Participants – Internal Faculty (Offline)
Zoom link	: https://us06web.zoom.us/j/81301008132?pwd=tv9tg9JbKar1R1OM6Md3HKKstcLuGt.1
Date & Time	: <u>24.04.2025 & 9.30 AM</u>
Offline Venue	: EEE HoD's Chamber

Agenda of the meeting:

1. Review on the minutes of the last Board of studies meeting and ratify the same.
2. To approve the 2nd year course structure and syllabus for B.Tech (EEE).
3. To approve the 2nd year course structure and syllabus for M. Tech – Power Systems and Automation (PSA).
4. To approve Course Outcomes (COs) for all the B.Tech and M.Tech 2nd year courses.
5. To approve the Model question paper for Mid and End examinations.
6. Any other item with the permission of the chair

The Chairman, BOS of the Electrical and Electronics Engineering welcomed and introduced the members of 2nd Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.

Minutes of the Meeting:

Agenda	Resolution
1. Review on the minutes of the last Board of studies meeting and ratify the same.	RESOLVED TO Approve the minutes of the 1 st Board of studies meeting (BoS) conducted on and ratify the same.
2. To approve the 1st year course structure and syllabus for B.Tech (EEE).	RESOLVED TO Approve the course structure for B.Tech. 2nd year in Electrical and Electronics Engineering (Under CR 24 Regulations). Honorable BoS members suggested the following changes in the syllabus of 2nd year B.Tech in R23 (JNTUK) Regulations which are to be adopted for Autonomous CR 24 Regulations. 1. In II Year – I SEMESTER, ELECTROMAGNETIC FIELD THEORY course, the following change is proposed in Unit-1. “Vector Analysis:

	<p>Vector Calculus: Differential length, Area and Volume. Del operator, Gradient of a scalar, Divergence of a vector and Divergence theorem (definition only). Curl of a vector, Stoke's theorem (definition only), Laplacian of a scalar." Deleted.</p> <p>"Coordinate Systems and Vector Analysis: Rectangular, Cylindrical and Spherical coordinate systems, Vector Algebra and Vector Calculus." Added in Unit -1.</p> <p>2. In II Year – II SEMESTER, Power Systems-I course, the following three changes are proposed.</p> <p>a) Unit –IV is deleted and will be added in power systems -II which will be introduced in 3rd year.</p> <p>b) Unit III is changed to Unit IV.</p> <p>c) UNIT–III: "Solar Power Plant: Solar photovoltaic cell, module, array – construction of power plant– Efficiency of solar cells – Cell I-V characteristics – Equivalent circuit of solar cell – Series resistance – Shunt resistance –Applications and systems. Wind Power Plant: Sources of wind energy - Wind patterns – Types of turbines – Horizontal axis and vertical axis machines - construction of power plant – Efficiency – Power output of wind turbine –Selection of generator (synchronous, induction) – Power generation for utility grids." Added.</p> <p>3. In II Year – II SEMESTER, Control Systems course, the following three changes are proposed.</p> <p>a) Unit II is split in to two Units ie., Units-III and Unit-IV. Time Response Analysis is considered as Unit II and Stability and Root Locus Technique are considered as Unit-III.</p> <p>b) Unit-III and Unit-IV are merged and considered as Unit –IV and Unit title and some topics in Unit IV are modified as "Frequency Response Analysis & Compensators, Introduction to frequency domain specifications – Bode diagrams – transfer function from the, Bode diagram –Polar plots, Nyquist stability criterion- stability analysis using Bode plots (phase margin and gain margin). Lag, lead, lag-lead compensators - physical realization.</p> <p>c) The following topics in Unit-IV are deleted "Controllable Canonical Form - Observable Canonical Form - Diagonal Canonical Form".</p> <p>RESOLVED TO Approve the above changes in B.Tech. 2nd year syllabus.</p>
<p>3. To approve the 1st year course structure and syllabus for M. Tech (PSA).</p>	<p>RESOLVED TO Approve the course structure for M. Tech. 2nd year in Power Systems and Automation (Under CR 24 Regulations).</p> <p>Honorable BoS members suggested the following changes in the syllabus of 2nd year M.Tech in R23 (JNTUK) Regulations which are to be adopted for Autonomous CR 24 Regulations.</p>

	<p>1. In II Year – I SEMESTER, Second Open Elective Course "Artificial Intelligent Techniques", the following three changes are proposed.</p> <p>a) Unit-III and Unit-IV are merged and considered as Unit-III and In the Unit-IV, the following topics on Basic Machine Learning are added. "Gradient Descent, Linear Regression, Logistic Regression, Bayes Theorem and Bayesian Learning, Maximum Likelihood and Least-Squared Error Hypothesis, Bayes Optimal Classifier, Naïve Bayes Classifier, Learning to Classify Text, Bayesian Belief Network, K-Means clustering."</p> <p>b) In Unit-IV, The following topic is added "Application of Basic Machine learning algorithms to Power Systems and Smart Grids."</p> <p>2. In II Year – I SEMESTER, third Open Elective Course "Operations Research" is completely replaced with Optimization Technologies and complete Syllabus for this course is included. RESOLVED TO Approve the above changes in M.Tech 2nd year syllabus.</p>
4. To approve Course Outcomes (COs) for all the courses.	RESOLVED TO Approve the Course Outcomes (COs) of all the courses in 2 nd year B.Tech and 2 nd year M. Tech (Power Systems and Automation) programs.
5. To approve the Model question paper for Mid and End examinations.	RESOLVED TO Approve the Model question paper for Mid and End examinations.
6. Any other item with the permission of the chair	No other issue was discussed.

Kaly
 Professor
 Dept. of Elec. & Electronics Engg
 University College of Engg.
 J.N.T. University Kakinada
 KAKINADA



M
 24-04-2025
 Head of the Dept.
 Electrical and Electronics Engineering
 Sir C R.Reddy College of Engineering
 ELURU - 534 007



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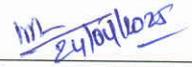
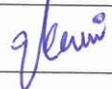
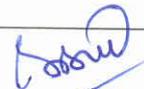
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Meeting of the Board of studies

Meeting of the Board of studies in Electrical and Electronics Engineering held on 24-04-2025 (Thursday) at 9.30 AM through online mode (Zoom).

Members Present:

S. No.	Name of the Member	Position	Signature
1.	Dr. A. Srinivasa Reddy Professor & HOD, Department of EEE	Chairman	
2.	Prof. K. Ravindra Professor, EEE Department UCEK, JNTUK, Kakinada	Member	
3.	Dr. Suryanarayana Doolla Professor and Dean (Student Affairs), Department of Energy Science & Engineering, IIT Bombay, Mumbai 400076	Member	Online
4.	Dr. CH. V.V. S. Bhaskara Reddy, Professor, Electrical Engineering Department Andhra University, , Visakhapatnam-530003,	Member	Online
5.	Sri. Y. Surya Prakash Senior Manager ,NTPC, Ramagundam, Telangana.	Member	Online
6.	Sri. G. Karthik Babu, Assistant Divisional Engineer 220 KV SS, Palvancha, Telangana.	Member	Online
7.	Dr. Y. Butchi Raju	Member	
8.	Dr. M. Veera Kumari	Member	
9.	Sri. S.R. Sagar	Member	
10.	Dr. S.N.V. Bramareswara Rao	Member	
11.	Sri. A. S. Prakasha Rao	Member	
12.	Sri. T. Kranthi Kiran	Member	
13.	Sri. N. Rama Narayana	Member	
14.	Sri. J. Ayyappa	Member	
15.	Sri. M. Sunil Kumar	Member	
16.	Mrs. T. Deepti Prasanna	Member	
17.	Sri. A. Durga Prasad	Member	
18.	Sri. B. Sambasiva Rao	Member	
19.	Sri. K. Kotaiah Chowdary	Member	
20.	Sri. Sk. Chanbasha	Member	



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21	Sri. M.S.N.L.Narasimha Rao	Member	
22	Sri. L. Vamsi Narasimha Rao	Member	
23	Sri. M. Vijaya Raghavendra	Member	
24	Sri. M. Mallikarjuna Reddy	Member	
25	Mrs. M. Anitha Kumari	Member	
26	Mrs. N. Venkata Ramana	Member	
27	Mrs. P. Lakshmi Prasanna	Member	
28	Mrs. K. Renuka Sowjanya	Member	
29	Dr. K.V. Sridhar	Member	

