



# 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

## 3<sup>rd</sup> MEETING OF THE BOARD OF STUDIES IN DEPARTMENT OF MECHANICAL ENGINEERING

Dear Sir,

**Sub: Sir C R Reddy College of Engineering – Autonomous – 3<sup>rd</sup> Meeting of the Board of Studies  
in Department of Mechanical Engineering – request – Reg.**

**Greetings from Sir C R Reddy College of Engineering (Autonomous), Eluru.**

This is to inform you that the 3<sup>rd</sup> meeting of the Board of studies in Mechanical Engineering Department is scheduled at 04:00 PM, on 10-12-2025, Wednesday. You are requested to make it convenient to attend the meeting. We are looking forward for your active participation and valuable contributions in the meeting of the Board of studies.

### **Agenda:**

1. Welcome address by BOS Chairman.
2. Discussion and approval of the Course Structure for M.Tech. I Year (I & II Semesters) and II Year (III & IV Semesters) offered by the Department of Mechanical Engineering as per CR-25 regulations.
3. Discussion and approval of the Syllabus for M.Tech. I Year (I & II Semesters) and II Year (III & IV Semesters) offered by the Department of Mechanical Engineering as per CR-25 regulations.
4. Discussion and Approval of Model Question Papers for M.Tech. I Year (I & II Semesters) and II Year (III & IV Semesters).
5. Discussion and Approval of External Expert Nominees for Question Paper Setting and Evaluation.
6. Any other items with the permission of the Chair.

**Venue: Offline: Research Lab, Mechanical Engineering Department.**

**Online: Zoom Link**

**Date: 10-12-2025**

**Time: 4:00 PM**

Thanking you sir,

Yours faithfully

  
**Dr K RAMBABU**

**CHAIRMAN-BOS IN MECHANICAL ENGINEERING**



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## DEPARTMENT OF MECHANICAL ENGINEERING

### BOS Members

S.No.	NOMINATION	NAME OF THE MEMBER & AFFILIATION
1	Chairman	Dr. Kantipudi Rambabu Professor & HOD Mechanical Engineering Department
2	Expert member nominated by University	Dr. B. Balakrishna Professor Mechanical Engineering JNTUK 8978618555 balakrishnajntu06@gmail.com
3	Expert member nominated by Academic council	Dr. A. Veeresh Babu Professor Mechanical Engineering NIT Warangal 9441120203 avbabu@nitw.ac.in
4	Expert member nominated by Academic council	Dr. Hymavathi Madivada Assistant Professor Mechanical Engineering NIT Tadepalligudem 7586099024 hymamadivada@nitandhra.ac.in
5	Industry	Sri .T. Pardha Saradhi Managing Director Prakasa Spectro Cast Pvt. Ltd. Prakash Nagar, Enikepadu, Vijayawada-521108. 9849558003 prakasaspectro@gmail.com
6	Alumni	Sri V Shakti Kiran Door No : 20A-13-35, Sabbavarapu vari street Kothapeta, Gandhi Nagar, Eluru, Eluru District - 534002 7780321747 vshaktikiran@gmail.com
7	Faculty	1. Dr. Jasti Sudhir Kumar 2. Dr. Kolli Lalit Narayan 3. Dr. Mokkapati Srirama Murthy 4. Dr. Khandavalli Sunil Rantna Kumar 5. Dr. Thadivaka Rama Krishna 6. Dr. Chodagam Lakshmi Poornima 7. Sri Dhanalakoti Satyanarayana 8. Sri Kakarala V.P.P.Chandu



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		<ol style="list-style-type: none"><li>9. Sri Eedupuganti VenkateswaraRao</li><li>10. Sri Bitragunta Venkata Subrahmanyam</li><li>11. Sri Lakkakula Naga Venkata NarasimhaRao</li><li>12. Sri Chandra Rao Chandu</li><li>13. Sri Asanbad Srinivasa Rao</li><li>14. Miss Gowda Pavani</li><li>15. Sri Thatha Naga Venkata Ashok Kumar</li><li>16. Sri Shaik Saleem</li><li>17. Sri Cheepurla Phani Kumar</li><li>18. Sri Domathoti Bujji Babu</li><li>19. Sri Ganapavarapu venkata Rajesh</li><li>20. Sri Vemulapalli Durga Rao</li></ol>
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Chairman, Board of Studies  
Department of Mechanical Engineering

**SIR C.R. REDDY COLLEGE OF ENGINEERING  
(AUTONOMOUS)  
DEPARTMENT OF MECHANICAL ENGINEERING**

DATE: 10-12-2025

**Minutes of the 3<sup>rd</sup> Board of Studies (BOS) Meeting for CR-25 Course  
Structure and Syllabus held on 10<sup>th</sup> December, 2025 at 04:00 PM**

**ITEM 1:** Welcome address by BOS Chairman.

Dr. K. Rambabu welcomed all the members to the third meeting of the Board of Studies. He highlighted that the agenda for the meeting was to review and approve the M.Tech. course structure and syllabus under the newly introduced CR25 regulations, aligned with the JNTUK R25 framework.

Dr. B. Balakrishna sir has given the guidelines to frame course structure and syllabus of autonomous institutions and asked the department to incorporate relevant academic or industry-oriented enhancements while retaining the core structure and asked to propose if any modifications in the syllabus.

The discussion on the items listed in the meeting agenda was conducted, and the following resolutions were passed by the BOS members.

**ITEM 2:** Discussion and Approval of Course Structure for M.Tech. I Year (I & II Semesters) and II Year (III & IV Semesters) offered by the Department of Mechanical Engineering as per CR-25.

The Board discussed the proposal presented by Dr. K. Rambabu regarding the adoption of the JNTUK R25 Regulations and Syllabus for framing the institution's CR-25 regulations.

It was informed that the Mechanical Engineering Department did not propose any modifications and recommended to adopt the R25 regulations in full.

Dr. B. Balakrishna sir asked for clarification on the major changes introduced in the Academic Regulations under CR-25 when compared to the previous regulation.

In response, the Chairman, Dr. K. Rambabu, explained the following key changes:

- The college had earlier followed the R19 regulations of JNTUK.
- Total Credits: The overall credit requirement has been revised to 80 credits under R25, compared to 68 credits under R19.
- Evaluation Pattern: The assessment components have been modified from 75% External and 25% Internal to 60% External and 40% Internal.
- I & II Semesters: Each semester will now consist of three core subjects instead of the earlier two.

- III Semester Structure:
  - Introduction of Research Methodology and IPR (or equivalent MOOC).
  - Comprehensive Viva covering Semesters I & II.
  - Mandatory Summer Internship / Industrial Training.
  - Project Work Dissertation Part-A carrying 10 credits.
- IV Semester: Entirely allotted to Project Work Dissertation Part-B, with a credit load of 16 credits

**Resolution:** After detailed discussion, All the BOS members approved unanimously the CR-25 course structure for M.Tech. I Year (I & II Semesters) and II Year (III & IV Semesters) as presented.

**ITEM 3:** Discussion and approval of the Syllabus for M.Tech. I Year (I & II Semesters) and II Year (III & IV Semesters) offered by the Department of Mechanical Engineering as per CR-25 regulations.

The Board discussed in detail the proposed syllabus for M.Tech. I Year (I & II Semesters) and II Year (III & IV Semesters) under the CR-25 Regulations. The following points and observations were recorded:

1. Dr. K. Rambabu informed the Board that two new courses AI & ML for Mechanical Engineering and Introduction to Quantum Technologies have been introduced in the revised syllabus. He also mentioned that a Robotics has been added to the Advanced Mechanisms course. In addition, he highlighted that a mandatory 8 to 10 week Summer Internship must be undertaken by all M.Tech. students between the second and third semesters.
2. Dr. B. Balakrishna garu and Sri T. Pardha Saradhi garu raised queries regarding the availability of qualified faculty to teach the newly introduced AI & ML and Quantum Technology courses.
3. The Chairperson clarified that these specialized courses will be supported by qualified faculty from the Department of CSE, ensuring effective delivery of the curriculum. He further added that two faculty members are currently undergoing APSCHE training in Quantum Technology, which will strengthen the department's capability in offering this emerging subject.
4. Sri T. Pardha Saradhi garu also sought clarification on the industrial relevance of these advanced courses, particularly in the context of local industry requirements.
5. In response, the Chairperson explained that the introduction of AI, ML, and Quantum Technologies aligns with current industry expectations and technological advancements. He emphasized that the mandatory summer internship will further enable students to gain practical exposure, helping them relate classroom learning to real world industrial practices.
6. After detailed deliberations, the Board expressed satisfaction with the proposed syllabus and did not recommend any further modifications.

**Resolution:**

The Board unanimously approved the M.Tech. I Year (I & II Semesters) and II Year (III & IV Semesters) syllabus under the CR-25 Regulations as presented.

**ITEM 4:** Discussion and Approval of Model Question Papers for M.Tech. I Year (I & II Semesters) and II Year (III & IV Semesters).

1. Dr. B. Balakrishna sir sought further clarification regarding the pattern and structure of the question paper.
2. Dr. K. Rambabu informed the Board that, in accordance with the revised external examination marks (60 marks), the model question paper has been structured for a total of 60 marks. The question paper consists of five questions, each with an option (A or B), and each question carries 12 marks. He further explained that the question paper framework has been designed to align with Bloom's Taxonomy, Course Outcomes (COs), and institutional academic standards.

**Resolution:** All the BOS members approved Model Question Papers for M.Tech. I Year (I & II Semesters) and II Year (III & IV Semesters).

**ITEM 5:** Discussion and Approval of External Expert Nominees for Question Paper Setting and Evaluation.

Dr. B. Balakrishna emphasized that external experts for question paper setting and evaluation will be nominated from reputed institutions, particularly NITs and IITs. He further noted that the list of nominated experts is confidential and therefore should not be displayed or disclosed during the meeting.

**Resolution:** The Board resolved to include experts from premier institutes like NITs for question paper setting and evaluation.

**ITEM 6:** Any other items with the permission of the Chair.

**Resolution:** No other items were raised.

**Conclusion:** The members noted that since the department was largely adopting the university regulations and syllabus without changes, the proposals were acceptable. All agenda points were discussed and approved

Meeting concluded with Vote of thanks.

  
Dr. K RAMBABU

BOS CHAIRMAN - MECHANICAL ENGINEERING

# SIR C.R. REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

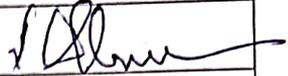
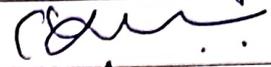
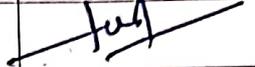
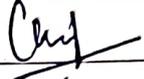
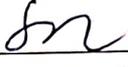
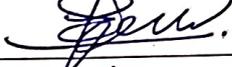
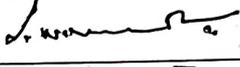
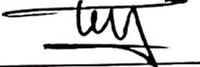
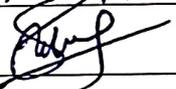
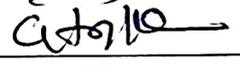
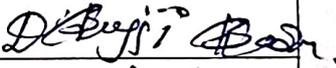
3<sup>rd</sup> Board of Studies Meeting held on 10-12-2025 ( Wednesday ) at 04:00 PM in the

Research Lab, Mechanical Engineering Department via hybrid mode

S.No	NOMINATION	NAME OF THE MEMBER & AFFILIATION	SIGNATURE
1	Chairman	Dr. Kantipudi Rambabu Professor & HOD, Mechanical Engineering Department.	
2	Expert member nominated by University	Dr. B. Balakrishna Professor, Mechanical Engineering, Director(i/c), Academic Planning, JNTUK. 8978618555, <a href="mailto:balakrishnajntu06@gmail.com">balakrishnajntu06@gmail.com</a>	
3	Expert member nominated by Academic council	Dr. A. Veeresh Babu Professor, Mechanical Engineering, NIT Warangal. 9441120203 <a href="mailto:avbabu@nitw.ac.in">avbabu@nitw.ac.in</a>	ATTENDED ONLINE
4	Expert member nominated by Academic council	Dr. Hymavathi Madivada Assistant Professor , Mechanical Engineering, NIT Tadepalligudem. 7586099024, <a href="mailto:hymamadivada@nitandhra.ac.in">hymamadivada@nitandhra.ac.in</a>	ATTENDED ONLINE -
5	Industry	Sri .T. PardhaSaradhi Managing Director PrakasaSpectro Cast Pvt.Ltd. Prakash Nagar,Enikepadu, Vijayawada-521108. 9849558003 <a href="mailto:prakasaspectro@gmail.com">prakasaspectro@gmail.com</a>	ATTENDED ONLINE
6	Alumni	Sri V Shakti Kiran Door No : 20A-13-35, Sabbavarapuvvari street Kothapeta, Gandhi Nagar, Eluru, Eluru District - 534002. 7780321747 <a href="mailto:vshaktikiran@gmail.com">vshaktikiran@gmail.com</a>	ATTENDED ONLINE

7

Faculty

Dr. Jasti Sudhir Kumar, Professor.	
Dr. Kolli Lalit Narayan, Professor.	K-Lalit Narayan
Dr. Mokkapati Sri Rama Murthy, Professor.	
Dr. Khandavalli Sunil Rantna Kumar, Associate Professor.	
Dr. Thadivaka Rama Krishna, Associate Professor.	TRK
Dr. Chodagam Lakshmi Poornima, Assistant Professor.	
Sri Dhanalakoti Satyanarayana, Senior Assistant Professor.	
Sri Kakarala V.P.P. Chandu, Assistant Professor.	
Sri Eedupuganti Venkateswara Rao, Assistant Professor.	
Sri Bitragunta Venkata Subrahmanyam, Assistant Professor.	
Sri Lakkakula Naga Venkata Narasimha Rao, Assistant Professor.	
Sri Chandra Rao Chandu, Assistant Professor.	
Sri Asanbad Srinivasa Rao, Assistant Professor.	
Miss Gowda Pavani, Assistant Professor.	
Sri Thatha Naga Venkata Ashok Kumar, Assistant Professor.	T. Ashok
Sri Shaik Saleem, Assistant Professor.	
Sri Cheepurla Phani Kumar, Assistant Professor.	
Sri Domathoti Bujji Babu, Assistant Professor.	
Sri Ganapavarapu Venkata Rajesh, Assistant Professor.	G.V. Rajesh
Sri P. Lakshmi Kala, Assistant Professor.	