

Maisammaguda (V), Dhulapally (P)
Near Kompally, Medchal (M), Secunderabad - 500 100.
Email: nrengineeringcollege@gmail.com, principal@nrcmec.org
Ph:9949092454,9000995454 **www.nrcmec.org**

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)

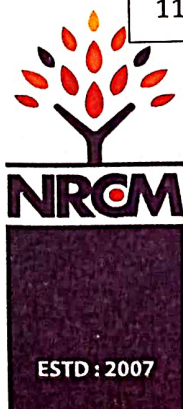
DEPARTMENT OF MECHANICAL ENGINEERING

Minutes of the 3rd BoS Meeting

The 3rd Board of Studies meeting of the Department of Mechanical Engineering was held on 24-09-2025 at 10 AM in the board room, M.G. Block.

MEMBERS OF THE BOARD OF STUDIES:

S.No.	Name of the Member	Designation	Role of the BoS
1	Dr. M ASHOK KUMAR	Professor & HOD MED, Narsimha Reddy Engineering College (Autonomous)	Chairman
University Nominee			
2	Dr. S NAGA SARADA	Professor & HoD, JNTUH	Member
External Subject Experts Nominated by Academic Council			
3	Dr. B VENKATESH	Professor, Vardhaman College of Engineering, Hyderabad.	Member
4	Dr. G RAGHU BABU	Professor, VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad	Member
Industry Representative			
5	Dr. CHANDRA SEKHAR NIZAMKARI	Managing Director, Siyanda Technologies Pvt. Ltd.,	Member
Department Senior Faculty Members			
6	Dr. R LOKANADHAM	Professor	Member
7	Dr. CH MOHANA RAO	Associate Professor	Member
8	Dr. D SIMHANA DEVI	Associate Professor	Member
9	Mr. R SAI SYAM	Assistant Professor	Member
10	Mr. P V V SRINIVASA RAO	Assistant Professor	Member
Alumni Representative			
11	Mr. B ADITHYA PRASAD	Plant Incharge, Hyderabad Aluminium Ladders	Member



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AGENDA:

1. Confirmation of the minutes of the 2nd BoS meeting.
2. Approval of the course structure for the B.Tech ME program under the NR25 Regulations (I semester to VIII semester).
3. Approval of the syllabus (I semester to IV semester) for the B.Tech ME program under the NR25 Regulations.
4. Approval of the syllabus (V semester to VIII semester) for the B.Tech ME program under the NR23 Regulations.
5. Any other point with the permission of chair.

Dr. M Ashok Kumar, Head of the Department and Chairman, Board of Studies welcomed all the members to the BoS meeting and presented the agenda.

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

Item 1: Confirmation of the minutes of the 2nd BoS meeting.

Resolution: Minutes of the 2nd BoS meeting were confirmed by the members.

Item 2: Approval of the course structure for B.Tech NR25.

The Chairman presented the course structure (I semester to VIII semester) of B.Tech ME NR25.

The following suggestions are posed by the respective members.

I Yr. II Sem:

- i. Replace Thermodynamics with Metallurgy and Material Science

II Yr. I Sem:

- i. Replace Metallurgy and Material Science with Thermodynamics.
- ii. Removal of Computational Mathematics Lab and adding 1 Tutorial class to TD.

III Yr. II Sem:

- i. Shifting of Troubleshooting of Mechanical Systems to IV-I Sem.
- ii. Adding 1 Tutorial class to HT.

IV Yr. I Sem:

- i. Replacing Computer Aided Analysis Lab with Troubleshooting of Mechanical Systems

Professional Elective-I:

- i. Substitute Refrigeration and Air-Conditioning with CAD&CAM.

Professional Elective-III:

- i. Replace Design for Manufacturing and Assembly with Refrigeration and Air-Conditioning.



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After a comprehensive discussion, the following decisions were made:

- The course structure for B.Tech ME was finalized, requiring 160 credits out of 164 credits for graduation.
- The core courses were approved after a discussion on their ability to prepare students for national-level competitive exams like GATE, NET, and SET.
- The list of elective courses was finalized to provide flexibility for students based on their interests.

Resolution:

The members approved the NR25 course structure with the above suggestions/modifications for final Implementation.

Item 3: Approval of the syllabus (I semester to IV semester) for the B.Tech ME program under the NR25 Regulations.

Designing the syllabus for the first and second years of the B.Tech ME program under the NR25 Regulations with following suggestions:

- 1. Engineering Drawing and Computer Aided Drafting**
 - i. Unit-II: Follow only conventional mode.
 - ii. Unit-III: Remove sectional views of right regular solids and auxiliary views.
 - iii. Unit-IV: Follow Computer Aided along with existing conventional mode.
- 2. Engineering Workshop**
 - i. Removal of Black Smithy.
- 3. Engineering Mechanics,**
 - i. Shifting the topic Work-energy method from Unit-IV to Unit-V
- 4. Thermodynamics,**
 - i. Unit-V: Include Dual, Brayton, Rankine, Otto, Diesel Cycles
- 5. Kinematics of Machinery,**
 - i. Unit-IV: Remove Tangent cam with Roller follower, circular arc cam with straight, concave and convex flanks.

Resolution: The members approved the NR25 Syllabus with the above suggestions/modifications for final Implementation.

Item 4: Approval of the syllabus (V semester to VIII semester) for the B.Tech ME program under the NR23 Regulations.

The members designed the curriculum for the third and fourth year of the B.Tech ME program:

- **Third Year Syllabus:** Courses were designed, including Professional Electives and Open Electives.
- **Fourth Year Syllabus:** The syllabus was designed to include industry oriented mini & major projects/Summer internships in all major core courses.
- Emphasis was placed on introducing skill-Development courses and ensuring the syllabus aligns with industry requirements and emerging technologies.

Resolution: The members approved the NR23 Syllabus (V to VIII semester) with the above suggestions/modifications for final Implementation.



NRCM

ESTD : 2007

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Item-5: Any other point with the permission of chair.

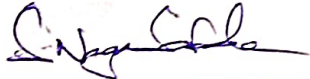
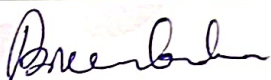
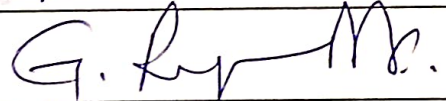
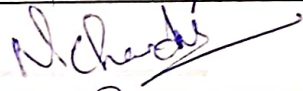
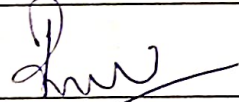
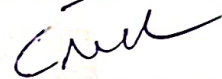
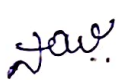
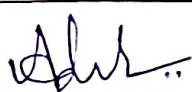
- Approved the syllabus teaching to other departments.
- Students should be encouraged for MOOC certifications. MOOCs can be registered one semester in advance.
- Institute should support the students for industry-oriented internships.

The board of studies members reviewed the modified course structure and syllabus with their recommendations/suggestions being incorporated appropriately. However the above suggestions are made to ensure the overall competence of the students for better employability.

Finally, the members approved the same for final implementation.

The meeting concluded with vote of thanks by Dr. M Ashok Kumar, Chair person of Board of Studies.

Members Present:

S.No.	Name of the Member	Signature
1	Dr. M ASHOK KUMAR	
2	Dr. S NAGA SARADA	
3	Dr. B VENKATESH	
4	Dr. G RAGHU BABU	
5	Dr. CHANDRA SEKHAR NIZAMKARI	
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