Mechanical
BoS – 4

Minutes of the Meeting of Fourth Board of Studies

The Fourth Board of Studies Meeting of the Department of Mechanical Engineering was held on 28-03-2024 at 02:00 PM in Technology Business Incubator, Lords Institute of Engineering and Technology, Hyderabad.

Members Present:

S.No.	Name with Designation	External/Internal	Signature
1.	**Dr. Syed Azam Pasha Quadri** Professor and HoD, Dept. of Mechanical Engineering, Lords Institute of Engineering and Technology, Hyderabad.	Chairperson, BoS	28/3/24
2.	**Dr. M. Chandra Sekhar Reddy** Professor and HoD, Department of Mechanical Engineering University College of Engineering Osmania University, Hyderabad.	External Member (OU Nominee)	28/3/24
3.	**Dr. T. Zaheer Ahmed** Professor, Mech Dept, Malla Reddy Engineering College, Hyderabad.	External Member (Subject Expert)	28/3/24
4.	**Dr. Syed Danish Mehdi** Professor, Mech Dept, Deccan College of Engineering and Technology, Hyderabad.	External Member (Subject Expert)	28/3/24
5.	**Mr. N.V.S Ramachandra Rao** Manager (CNC & Heavy Parts), HMT (Praga Division), Hyderabad.	External Member (Industry Expert)	
6.	**Mr. Sirajuddin,** Entrepreneur, Hyderabad.	External Member (Alumni)	
7.	**Dr. Syed Nawazish Mehdi**, Professor, Mech Dept., LIET	Internal Member	
8.	**Dr. Anwarullah,** Professor, Mech Dept., LIET	Internal Member	
9.	**Dr. Md. Misbahuddin**, Associate Professor, Mech Dept., LIET	Internal Member	
10.	**Dr. Sumeet Hangargi,** Associate Professor, Mech Dept., LIET	Internal Member	28/3/24
11.	**Dr. Mohd Asif Kattimani,** Assistant Professor, Mech Dept., LIET	Internal Member	
12.	**Mr. R. Suman,** Assistant Professor, Mech Dept., LIET	Internal Member	
13.	**Mr. Samatham Madhukar,** Assistant Professor, Mech Dept., LIET	Internal Member	

Permanent Invitee: 1. Dr.Ravi Kishore Singh, Principal, LIET(A).

2. Dr. J. Sasi Kiran, Professor of CSE & Dean – Planning & Coordination, LIET(A).

AGENDA:

1. Introduction of BOS Members to the faculty and vice versa.
2. Review of previous meeting minutes/resolutions held on 12th April 2023.
3. Action taken report on last BOS minutes held on 12th April 2023.
4. Review & Approval of Proposed Course Structure of LR-21 B.E 4th Year [7th & 8th Semesters]
5. Discussion & Approval of Detailed Courses Syllabus of LR-21 B.E 4th Year [7th & 8th Semesters]
6. Review & Approval of Proposed Course Structure of LR-23 B.E 2nd Year [3rd & 4th Semesters]
7. Discussion & Approval of Detailed Course Syllabus of LR-23 B.E 2nd Year [3rd & 4th Semesters]
8. Review & Approval of Proposed Course Structure of LR-24 B.E 1st Year [All 8 Semesters]
9. Discussion & Approval of Detailed Courses Syllabus of LR-24 B.E 1st Year [1st & 2nd Semesters]
10. Approval of Substitute/Additional Subjects for Re-Admitted Students.
11. Ratification of External Examiners, SEE Question Paper Setters & Evaluators [UG]
12. Review on Innovative Teaching & Learning Methodologies
13. Review on Research, Extension and other Academic Activities
14. Any other item with the permission of the Chair

Item No. 1: Introduction of BOS Members to the faculty and vice versa.

Deliberation: Dr.Syed Azam Pasha Quadri, HOD-ME & Chairman-BOS, welcomed the members of the Board of Studies, Principal and other faculty me mbers to the meeting followed by the discussion on the agenda mentioned above:

- BOS Chairperson introduced the BOS members to the respected Principal and the faculty members of the department introduced themselves to the honorable University Nominee, External Members, Member Corporate Sector and the Alumni.
- BOS Chairperson further presented the brief profile of the department.

Resolution: Noted and Approved

Item No. 2: Review of previous meeting minutes/resolutions held on 12th April 2023.

The minutes of the Second Board of Studies meeting held on 12th April 2023.were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved without any comments by the 3rd Board of studies.

Resolution: Noted and Approved

Item No. 3: Action taken report on last BOS minutes held on 12th April 2023.

Deliberation: BOS Chairperson presented the Action Plan taken up on Minutes of the last BOS meeting held 12th April 2023 as mentioned in below tabular column.

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S.No	Points Discussed	Action Plan Taken
1.	University Nominee had suggested to Swap Operations Research in VII Semester with Finite Element Techniques (Professional Elective-4) in VIII Semester.	The suggestions of the University Nominee have been taken up and modifications were made accordingly in the syllabus and bounded.
2.	External Member had suggested to rename the course name Turbo Machines to Thermal Turbo Machines in Professional Elective-3 which is offered in VII semester.	The suggestions of the External Member have been taken up and modifications were made accordingly in the syllabus and bounded.
3.	University Nominee had suggested to replace the course Mechatronics with Control Systems in Professional Elective-4 which is offered in VIII semester.	The suggestions of the University Nominee have been taken up and modifications were made accordingly in the syllabus and bounded.
4.	University Nominee and External Members had suggested to replace the Industrial Automation with Automation in Robotics in Professional Elective-4 which is offered in VIII semester	The suggestions of the University Nominee have been taken up and modifications were made accordingly in the syllabus and bounded
5.	University Nominee had suggested modification and addition of new book in suggested readings in Dynamics of Machines in V Semester.	The suggestions of the University Nominee have been taken up and modifications were made accordingly in the syllabus and bounded.
6.	University Nominee had suggested syllabus modification in fifth unit of Optimization Methods for Engineers (Open Elective) in VI Semester.	The suggestions of the University Nominee have been taken up and modifications were made accordingly in the syllabus and bounded.

Resolution: Noted and Approved

Item No. 4: 1. Review & Approval of Proposed Course Structure of LR-21 B.E 4th Year [7th & 8th Semesters]

Deliberation: The Proposed B.E. Course Structure under the Regulations LR21 was presented by the chairperson, BoS. The BoS members have noted, discussed and approved the course structure with minor suggestions as mentioned below

- University Nominee had suggested to rename internships in Semester V and Semester VII as Internship-1 and Internship-2 respectively.
- University Nominee had suggested to reduce credits of Comprehensive Viva to 1 Credit in VIII Semester.
- University Nominee had suggested to incorporate Technical Seminar in VIII semester and suggested to rename Technical Seminar in Semester VII and Semester VIII as Technical Seminar-1 and Technical Seminar-2 respectively.
- External Member had suggested rename of Industrial Automation to Manufacturing Automation in VIII Semester.

Resolution: Noted and Approved [Ref: Annexure-1]

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Item No. 5: Discussion & Approval of Detailed Courses Syllabus of LR-21 B.E 4th Year [7th & 8th Semesters]

Deliberation: The B.E. Mechanical Engineering syllabus of VI and VIII semesters under the Regulations LR21 was presented by the chairperson, BoS. The BoS members have noted, discussed and approved the course structure with minor suggestions as mentioned below

- External Member had suggested addition of new book in suggested readings in finite element techniques in VII Semester.
- University Nominee had suggested syllabus modification in fourth and fifth units of Production and Operation Management in VII Semester.
- External Member had suggested addition of new book in suggested readings in quality and reliability engineering in VIII Semester.

Resolution: Noted and Approved [Ref: Annexure-2]

Item No. 6: Review & Approval of Proposed Course Structure of LR-23 B.E 2nd Year [3rd & 4th Semesters]

Deliberation: The Proposed B.E. Course Structure under the Regulations LR23 was presented by the chairperson, BoS. The BoS members have noted, discussed and approved the course structure with minor suggestions as mentioned below

- University Nominee had suggested to rename internships in Semester V and Semester VII as Internship-1 and Internship-2 respectively.
- University Nominee had suggested to reduce credits of Comprehensive Viva to 1 Credit in VIII Semester.
- University Nominee had suggested to incorporate Technical Seminar in VIII semester and suggested to rename Technical Seminar in Semester VII and Semester VIII as Technical Seminar-1 and Technical Seminar-2 respectively.
- External Member had suggested rename of CAD/CAM/CAE Lab to CAE Lab in VI Semester.
- University Nominee had suggested to Swap CAD/CAM/CAM in VI Semester with Professional Elective-II in VII Semester.
- University Nominee had suggested to move CAE Lab in VI Semester to VII Semester.

Resolution: Noted and Approved [Ref: Annexure-3]

Item No. 7: Discussion & Approval of Detailed Course Syllabus of LR-23 B.E 2nd Year [3rd & 4th Semesters]

Deliberation: The B.E. Mechanical Engineering syllabus of III and IV semesters under the Regulations LR23 was presented by the chairperson, BoS. The BoS members have noted, discussed and approved the course structure with minor suggestions as mentioned below

- External Member had suggested addition of new book in suggested readings in mechanics of solids in III Semester.
- External Member had suggested addition of new book in suggested readings in operations research in III and IV Semesters.

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Resolution: Noted and Approved [Ref: Annexure-4]

Item No. 8: Review & Approval of Proposed Course Structure of LR-24 B.E 1st Year [All 8 Semesters]

Deliberation: The Proposed B.E. Course Structure under the Regulations LR24 was presented by the chairperson, BoS. The BoS members have noted, discussed and approved the course structure with minor suggestions as mentioned below

- University Nominee had suggested to rename internships in Semester V and Semester VII as Internship-1 and Internship-2 respectively.
- University Nominee had suggested to reduce credits of Comprehensive Viva to 1 Credit in VIII Semester.
- University Nominee had suggested to incorporate Technical Seminar in VIII semester and suggested to rename Technical Seminar in Semester VII and Semester VIII as Technical Seminar-1 and Technical Seminar-2 respectively.
- External Member had suggested rename of CAD/CAM/CAE Lab to CAE Lab in VI Semester.
- University Nominee had suggested to Swap CAD/CAM/CAM in VI Semester with Professional Elective-II in VII Semester.
- University Nominee had suggested to move CAE Lab in VI Semester to VII Semester.

Resolution: Noted and Approved [Ref: Annexure-5]

Item No. 9: Discussion & Approval of Detailed Courses Syllabus of LR-24 B.E 1st Year [1st & 2nd Semesters]

Deliberation: The Proposed B.E. Detailed Courses Syllabus of LR-24 B.E 1st Year [1st & 2nd Semester] was presented by the chairperson, BoS. The BoS members have noted, discussed and approved the course structure with minor suggestions as mentioned below

Resolution: Noted and Approved [Ref: Annexure-6]

Item No. 10 : Approval of Substitute/Additional Subjects for Re-Admitted Students.

Deliberation: The Proposed Substitute/Additional Subjects for Re-Admitted Students was presented by the chairperson, BoS. The BoS members have noted, discussed and approved the course structure.

Resolution: Noted and Approved

Item No. 11: Ratification of External Examiners, SEE Question Paper Setters & Evaluators [UG].

Deliberation: The List of Question Paper Setters, Examiners & Evaluators of B.E. Mechanical III and IV Semester Courses was presented by the chairperson, BoS.

Resolution: Noted and Ratified.

Item No. 12: Review on Innovative Teaching & Learning Methodologies.

Deliberation: The Innovative Teaching & Learning Methodologies currently employed in the department was presented by the chairperson, BoS.

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❖ Members suggested to make the faculty attend atleast one Faculty Development Program for semester for the enhancement in Innovative Teaching & Learning Methodologies.

Resolution: Noted and Approved

Item No. 13: Review on Research, Extension and other Academic Activities

Deliberation: The Research, Extension and other Academic Activities currently carried out in the department was presented by the chairperson, BoS.

❖ Members suggested to enhance the Institutional-Industry activities with the current collaborations by effectively conducting programs like Workshops, Industrial Visits and Seminars.

Resolution: Noted and Approved

Item No. 14: Any other item with the permission of the Chair

- BoS Chairperson is suggested to modify the course syllabus as per the above suggestions given by the members.
- Members of Board of Studies recommended the above resolutions to be presented in the Academic Council for approval.
- BOS Chairperson proposed vote of thanks to all the BOS members for spending their valuable time in reviewing the course structures & syllabi, was also grateful to all the Deans and HODs of other departments, faculty members for the support in designing course structures of UG.
- BOS chairperson was thankful to the principal for incessant guidance and the Management for constant encouragement and support.
- The meeting was concluded with the approval of University Nominee and consensus of all BOS Members.
- The BoS members discussed and recommended the implementation of the revised 11 Programme Outcomes (POs) in accordance with the new NBA guidelines. The members suggested revising the CO–PO–PSO mapping matrices, attainment methodology and relevant academic documentation for all applicable courses to ensure compliance with the revised Outcome-Based Education (OBE) framework.

Dr. Azam Pasha Quadri

BoS Chairperson and Head,

Department of Mechanical Engineering,

Lords Institute of Engineering and Technology.

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