



LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

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DEPARTMENT OF MECHANICAL ENGINEERING







Date: 05-08-2021

Minutes of the Meeting of First Board of Studies

The first Board of Studies Meeting of the Department of Mechanical Engineering was held on 05-08-2021 at 2:00 PM in Board Room-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	
2.	Prof. M. Chandra Sekhar Reddy Professor, Department of Mechanical Engineering University College of Engineering Osmania University, Hyderabad.	External Member (OU Nominee)	
3.	Dr. T. Zaheer Ahmed Professor, Mechanical Dept, Malla Reddy Engineering College, Hyderabad.	External Member (Subject Expert)	
4.	Dr. Syed Danish Mehdi Professor, Mechanical Dept, Deccan College of Engineering and Technology, Hyderabad.	External Member (Subject Expert)	
5.	Mr. N.V.S Ramachandra Rao Manager (CNC & Heavy Parts), HMT (Praga Division), Hyderabad.	External Member (Industry Expert)	
6.	Mr. Mohammed Sirajuddin Entrepreneur, Hyderabad.(Alumni)	External Member (Alumni)	
7.	Dr. Syed Nawazish Mehdi Professor, Mech Dept., LIET.	Internal Member	

8.	Dr. Talla Siva Prasad Professor, Mech Dept., LIET	Internal Member	
9.	Dr. Mohammed Asadullah Thakur Professor, Mech Dept., LIET	Internal Member	
10.	Mr. Syed Aslam Associate Professor, Mech Dept., LIET	Internal Member	
11.	Mr. R. Suman Assistant Professor, Mech Dept., LIET	Internal Member	
12.	Mr. Y Nithin Chandra Manas Assistant Professor, Mech Dept., LIET	Internal Member	
13.	Mr. Samatham Madhukar Assistant Professor, Mech Dept., LIET	Internal Member	

Permanent Invitee : Dr.C.V.Narsimhulu, Principal.LIET.

Special Invitee : Dr.Mohammed Jabirullah, HOD-ECE Department, Autonomous Coordinator, LIET.

Dr.Sasikiran, Dean I year, LIET.

Mrs. Simhana Devi, Assistant Professor, Mech Dept., LIET.

Mr.Sai Suman, Assistant Professor, Mech Dept., LIET.

Agenda

1. Discussion and Finalization of 4 years B.E. Mechanical Engineering Programme Course Structure .
2. Discussion and Finalization of Professional Electives & Open Electives.
3. Discussion and Finalization of Skill Development courses and Internship Programmes.
4. Discussion and Finalization First year B.E Syllabus.
5. Discussion and Finalization of 2 year M.E. Thermal Engineering Programme Course Structure .
6. Discussion and Finalization First year M.E Syllabus.

Venue: Board Room - Technology Business Incubator, LIET.

Date: 05/08/2021

Time: 2.00PM

Dr.Syed Azam Pasha Quadri, HOD-ME & Chairman-BOS, LIET welcomed all the members of the Board of Studies. On the request of Board of Studies Chairperson, the members introduced themselves. This was followed by the discussion on agenda points mentioned above.

The following deliberations were made as per the items of agenda and resolutions were listed as below,

Item No. 1: Discussion and Finalization of 4 years B.E Mechanical Engineering Programme Course Structure

The B.E. – Mechanical Engineering Course Structure for I to VIII semesters under the Regulations 2021-22 was presented by the chairperson, BoS. The BoS members have noted, discussed and approved the course structure with minor suggestions as mentioned below.

Semester-I:

- ❖ Mandatory course should be completed in I Semester (Indian Constitution) for regular students and same mandatory courses should be completed by lateral entry students in III Semester (Indian Constitution).

Semester-II:

- ❖ Two mandatory courses should be completed in II semester (1.Environmental Science & 2.Essence of Indian Traditional Knowledge) for regular students and same mandatory courses should be completed by Lateral Entry students in IV semester (1.Environmental Science & 2. Essence of Indian Traditional Knowledge).

Semester-III:


- ❖ Members noted and approved.

Semester-IV:

- ❖ The members suggested to split Theory of Machines(TOM) into two subjects and include Kinematics of Machines (KOM) in IV semester and move Metrology and Instrumentation (M&I) Theory and Lab to VII semester from IV semester.
- ❖ On further discussion, committee members have proposed to move Metal Cutting and Machine Tools Theory & lab to VI semester from V semester to include Dynamics of Machines (DOM) Theory as well as Lab in V semester.
- ❖ Students should undergo two week summer industrial internship at the end of IV semester for which 1 Credit shall be awarded at the end of V semester.

Semester-V:

- ❖ Metal Cutting and Machine Tools Theory & lab was moved to VI semester and Dynamics of Machines (DOM) subject and lab are included in semester-V .


Head of the Department
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Lords Institute of Engg. & Tech
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Semester-VI:

- ❖ Students should undergo four week summer industrial internship at the end of VI semester for which 1 Credit shall be awarded at the end of VII semester.
- ❖ It was decided to split Theory of Machines (TOM) in VI semester into two different subjects, Kinematics of Machinery (KOM) and Dynamics of Machinery (DOM) by allotting 3 credits to each subject.

Semester-VII:

- ❖ Professional Elective IV was shifted to VIII semester and Operations Research was included.

Semester-VIII:

- ❖ Operations Research existing in VIII semester is swapped with Professional Elective IV in VII semester.

The modified four year B.E. Mechanical Engineering Course Structure is attached as annexure – I.

Item No.2: Discussion and Finalization of Professional Electives & Open Electives.

- ❖ The members have suggested to add Hybrid Vehicle Technology in place of Automobile engineering in Open elective-IV.
- ❖ The members have suggested to add Mechatronics, Industrial Automation, Fuel cell technology, Heat Ventilation and Air conditioning as professional elective courses.

The members have noted and approved the Professional and Open Elective courses.

Item No. 3: Discussion and Finalization of Skill Development Courses and Internship Programmes.

- ❖ Skill Development Courses were introduced in III, IV, V, VII Semesters. All the Members appreciated for including it on par with the industry needs such as Programming Language – I(Sem III) and Programming Language – II(Sem IV), Machine learning (V Sem) & Aptitude and Reasoning (VII sem) to improve the placements.
- ❖ Two Internship programmes have been suggested at the end of IV semester and VI Semester.
- ❖ Members have agreed, appreciated and approved the internship programmes.

Item No. 4: Discussion and Finalization First year B.E Syllabus.

- ❖ Members suggested few modifications in the first year syllabus of Engineering Workshop (Sem I) and Engineering Graphics and Design Practice (Sem II) and approved the syllabus.
- First year Engineering & IT Workshop syllabus is attached as annexure II-A.
- First year Engineering Graphics and Design Course Syllabus is attached as annexure II-B.

Head of the Department
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Lords Institute of Engg. & Tech.
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Item No. 5: Discussion and Finalization of two years Master of Engineering (Thermal Engineering) Programme Course Structure.

Chairperson-BOS has presented scheme of instructions for I to IV semesters of Thermal Engineering PG, under the Regulations 2021-22.

- ❖ Members suggested Engineering Research Methodology subject must be considered as Mandatory Course with three credits in semester I.
- ❖ Members suggested to reduce four labs to three labs and also there shall be an addition of one technical seminar semester I.
- ❖ Members suggested for one lab and one technical seminar in I semester also two labs in II semester and two professional electives in III semester.
- ❖ On further discussion, it was suggested to merge the technical seminar in III semester with mini project in II semester in turn add the two credits of technical seminar to Dissertation Phase I (8 credits had changed to 10 credits) in III semester and change the title to Mini Project with Seminar.

The two year modified Master of Engineering (Thermal Engineering) Programme Course Structure is attached as annexure – III.

Item No.6: Discussion and Finalization First year Master of Engineering (Thermal Engineering) Programme Course Syllabus.

- ❖ Members noted and approved.


First year Master of Engineering (Thermal Engineering) Programme Course Syllabus is attached as annexure – IV.

BoS Chairperson is suggested to modify the course structure as per the above suggestions given by the members and take their approval.

It is further resolved that the proposed course structure may be modified in subsequent BoS meetings.

Members of Board of Studies recommended the above resolutions and approved course structure and syllabi is to be presented in the Academic Council for approval.

BoS Chairperson, thanked all the BOS members for spending quality time in reviewing the Course Structure, Curriculum and Syllabi and for providing valuable inputs in designing the syllabus.


05/08/2021
Dr. Syed Azam Pasha Quadri,
BoS Chairperson & Head,
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