



LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

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Ref.No:LIET/MATHEMATICS/BoS-3/MoM/2023/3

Date: 11th April, 2023

DEPARTMENT OF MATHEMATICS

MINUTES OF THE MEETING OF THE THIRD BOARD OF STUDIES

The Third Board of Studies Meeting of the Department of Mathematics was held on 11-04-2023 at 10:30 AM in Mathematics Club, 1st Year Block, Lords Institute of Engineering and Technology, Hyderabad (A).

Members Present:

Subject: MATHEMATICS			
S. No.	Name & Designation of the of the BOS Member	Category	Signature
1.	Mr. Mohammed Irshad Ali, Associate Professor & HOD, Dept. of Mathematics, LIET	Chairperson	
2.	Dr. B. Surender Reddy, Professor & Chairperson-Board of Studies, Department of Mathematics, University College of Science, Osmania University, Hyderabad	External Member (University Nominee)	
3.	Dr. M.V. Ramana Murthy Professor and HoD, Dept. of Mathematics & Humanities, Mahatma Gandhi Institute of Technology, Hyderabad	External Member (Academic Expert)	
4.	Dr. Enagandula Prasad Associate Professor, Dept. of Mathematics, VNR VignanaJyothi Institute of Engineering and Technology (Autonomous), Hyderabad.	External Member (Academic Expert)	
5.	Mr. Hasan Zubair Director, Cognizant Technologies, Hyderabad	External Member (Industry Expert)	
6.	Mr. Shaik Liyaqath Project Manager - Planning & Execution Dept, Success HVAC Solutions. Hyderabad	External Member (Alumnus)	
7.	Dr. D Raju Associate Professor in Mathematics, LIET	Internal Member	
8.	Mr. Sk. Mohd Ali Associate Professor in Mathematics, LIET	Internal Member	
9.	Mrs. Jabeen Masarath Assistant Professor in Mathematics, LIET	Internal Member	

S. No.	Name& Designation of the of the BOS Member	Category	Signature
10.	Mr. Syed Naseeruddin Assistant Professor in Mathematics, LIET	Internal Member	
11.	Mr. Mohd Nisaar Assistant Professor in Mathematics, LIET	Internal Member	
12.	Mrs. Shazia Tahseen Assistant Professor in Mathematics, LIET	Internal Member	
13.	Mrs. Bapu Rani Assistant Professor in Mathematics, LIET	Internal Member	
14.	Mrs. Amtul Muneer Assistant Professor in Mathematics, LIET	Internal Member	
15.	Mrs. Bhanu Kumari Maddala Assistant Professor in Mathematics, LIET	Internal Member	
16.	Mr. Saleem Yousuf Lone Assistant Professor in Mathematics, LIET	Internal Member	
17.	Dr. C. V. Narasimhulu, Professor, ECE, Principal, LIET	Permanent Invitee	
18.	Dr. J. Sasi Kiran, Associate Professor, CSE & Dean - Planning and Evaluation	Special Invitee	

The Meeting was conducted as per the schedule to discuss the agenda given below.

AGENDA:

- Introduction of BoS Members to the faculty and vice versa
- Confirmation of last BoS Minutes held on 06-07-2022
- Action taken report on last BoS meeting
- Discussion & Approval of Detailed Course Syllabus of LR-21 B.E 3rd & 4th Year
Course Name: **Aptitude and Reasoning Skills Lab**
- Discussion & Approval of Detailed Courses Syllabus of LR-23 B.E 1st Year
Course Name: **Mathematics-I**
Course Name: **Mathematics-II**
- Ratification of Question Paper Setters, Examiners & Evaluators of B.E
- Suggestions on Innovative Teaching Methodologies.
- Suggestions on Research, Extension and other Academic Activities.

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

Deliberations: BoS Chairperson Mathematics welcomed all the members of the Board of Studies, Principal and other faculty members to the meeting. This was followed by the discussion on the agenda points mentioned above:

BoS Chairperson introduced the BoS members to the respected Principal, LIET, and other faculty members of the department and also introduced the department faculty members to Honorable BoS members and further presented the brief department profile.

BoS Chairperson shown the salient features, curriculum analysis, and I&II year Mathematics courses syllabi to the members of the BoS.

Resolution: Noted and Approved

Item No. 2: Confirmation of last BOS minutes of meeting held on 06-07- 2022 at 11:00 am

Deliberations: BoS Chairperson Presented all Minutes of the last meeting in the presence of all members of 3rdBoS and they verified the minutes and approved.

Resolution:Noted and Approved

Item No. 3: Action taken on the report of last BOS minutes of meeting held on 06-07-2022.

Deliberation: BOS Chairperson presented the Action Plan taken on Minutes of last BOS meeting held on 06-07-2022 as mentioned in below tabular column.

S.No	Points Discussed	Action Plan Taken
1.	University Nominee suggested the following points: <ul style="list-style-type: none">• Some of the applications topics related to course like EEE should be added.• He suggested using the right of changing 20% of the syllabus and following the suggestions of Prof. Ramana Murthy.	All the Suggestions given by university Nominee have been taken to include in the syllabus [Mathematics-III] and bounded.
2.	External Member -1 suggested the following points: <ul style="list-style-type: none">• Some of the applications topics like transform calculus are essential to courses like AIML, ECE, EEE, and CSE to be added.• Sci lab, R-soft, should be inculcated to increase the logical strength.• LIET autonomous syllabus should be unique and standard one.• Singular value decomposition, low rank matrices, connection between Singular value decomposition and least square approximation to be included in the syllabus.• Our vision should reflect in strategic planning, vision is being implemented while designing the syllabus as without mathematics no engineering is possible.	All the Suggestions given by External Member-1 have been taken and small changes were made accordingly in the syllabus in required places, SCI-LAB will be implemented after approval of management and Principal.
3.	External Member-2 suggested the following points: <ul style="list-style-type: none">• Correlation coefficient topic from unit V to be removed as it already in unit IV in CSE M-III syllabus.• Number of text books should be less than 3, so that it will be easy for paper setter to set the Question paper	The suggestions of the External Member-2 have been taken and modifications were made accordingly in the syllabus and bounded
4.	Alumni Member suggested the following points: <ul style="list-style-type: none">• Syllabus should be precise and effective in engineering perspective.	Following the developments required in the syllabus given by respected members, noted down in the required areas and modified accordingly and bounded.

Resolution: Noted and Approved

Item No. 4: Discussion & Approval of Detailed Course Syllabus of LR-21 B.E 3rd & 4th Year
Course Name: **Aptitude and Reasoning Skills Lab**

Deliberations:

The Chairperson of BoS presented the detailed Syllabi of Aptitude and Reasoning Skills lab of LR- 21 Regulations and after elaborated discussion, BoS Members suggested the following points:

- University Nominee Suggested that, to assign two hours per week for aptitude & reasoning lab as it is having single credit.

Resolution:

The Members after thorough discussion, approved the Syllabi of Aptitude and Reasoning Skills lab. The detailed approval syllabi of Aptitude and Reasoning Skills lab is given in Annexure-I.

Noted and Approved

Item No. 5: Discussion & Approval of Detailed Courses Syllabus of LR-23 B.E 1st Year

Course Name: **Mathematics-I**

Course Name: **Mathematics-II**

Deliberations:

The Chairperson of BoS presented the detailed Syllabi of M-I & M-II of LR- 23 Regulations and after elaborated discussion, BoS Members suggested the following points:

- University Nominee suggested to remove the topic error function from mathematics –II.
- Subject Expert-1 suggested to include Bessel's function as it has multiple application for various streams in Mathematics-II .
- Subject Expert-2 suggested to add euler's theorem and its problem in partial differentiation and also advised to include the change of coordinates in triple integration in Mathematics-I
- Subject Expert-2 suggested to check the sequence of Diagonalisation & Cayley Hamilton theorem and also suggested to include one more application of FODE i.e Newton's law of cooling in Mathematics-II

Resolution:

The Members after thorough discussion, approved the Syllabi of Mathematics-I & Mathematics-II.

The detailed approval syllabi of M-I & M-II are given in Annexure-II & III.

Noted & Approved

Item No. 6: Approval & Ratification of Question paper Setters, Examiners & Evaluators of B.E I, II & III Semesters of LR-21 & LR-23

Deliberation: The Chairperson of BoS Presented the List of Question paper Setters, Examiners & Evaluators of B.E I, II & III Semesters [Mathematics department related courses] of LR-21 & LR-23 and after elaborated discussion, BoS Members suggested the following points:

10. [Signature] 11. [Signature] 12. [Signature] 13. [Signature] 14. [Signature] 15. [Signature] 16. [Signature]
17. [Signature] 18. [Signature]

- Members suggested all tests for convergence should be without proof to mention in syllabus copy, for sake of clarity to paper setter in M-I.
- Members advised that, the paper setter and evaluators should have minimum 10 years of teaching experience in concerned subject
- Members recommended that no repetition of paper setters.

Resolution: All Members are Approved and Ratified the same, and it is given in Annexure –IV

Noted and Approved

Item No.7: Suggestions on Innovative teaching learning process, Evaluation, Research and development of Mathematics

Deliberation: BOS members suggested on Innovative teaching learning process, Evaluation, Research and Development of Mathematics Department and suggested to conduct FDPs, Awareness programs to publish research articles in Web of Science and Scopus Indexed Journals..etc.

Resolution: Noted and Approved

Dean-I Year honored the suggestions given by the BOS members and thanked all the members for accepting the invitation and attending the meeting online and concluded the meeting.

BOS Chairperson thanked all the members for the suggestions towards improvement.

BOS Chairperson conveyed vote of thanks to all the BOS members for spending their valuable time in reviewing the course structures & syllabi, all the Deans and HODs of other departments, department faculty members for the support in designing course structures of UG.

He also thanked the Principal for continuous guidance and the Management for constant encouragement and support.

The meeting was concluded with the approval of University Nominee and consensus of all BOS

Prof. Mohammed Irshad Ali
Chairperson – Board of Studies
Department of Mathematics

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