



LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

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Ref.No: LIET/MATHEMATICS/BoS-2/MoM/2022/2

Date: 6th July, 2022

DEPARTMENT OF MATHEMATICS

MINUTES OF THE BOARD OF STUDIES MEETING - 2

Venue: TBI Room, at 11am in online mode, Lords Institute of Engineering and Technology (A)
The meeting was conducted as per the schedule to discuss the agenda given below.

Members Present:

Subject: MATHEMATICS				
S. No.	Name	Designation	Category	Signature
1.	Dr. V. Naganjaneyulu	Professor, Dept. of Mathematics, LIET	Chairperson	
Nominees of Osmania University, Hyderabad				
2.	Dr. B. Surender Reddy	Professor & Chairperson-Board of Studies, Department of Mathematics, University College of Science, Osmania University, Hyderabad	University Nominee	
Experts / Academicians from Outside the Parent University nominated by Academic Council				
3.	Dr. M.V. Ramana Murthy	Professor and HoD, Dept. of Mathematics & Humanities, Mahatma Gandhi Institute of Technology, Hyderabad	External Member	
4.	Dr. Enagandula Prasad	Associate Professor, Dept. of Mathematics, VNR VignanaJyothi Institute of Engineering and Technology (Autonomous), Hyderabad.	External Member	
Representatives from R&D / Industry / Corporate Sector / Allied areas relating to placements				
5.	Mr. Hasan Zubair	Director, Cognizant Technologies, Hyderabad	Corporate Sector	
6.	Mr. Shaik Liyaqath	Project Manager - Planning & Execution Dept, Success HVAC Solutions, Hyderabad	Alumni	
Faculty members from each specialization				
7.	Mr. Mohammed Irshad Ali	Associate Professor in Mathematics, HoD Mathematics, LIET	Internal Member	
8.	Dr. D Raju	Associate Professor in Mathematics, LIET	Internal Member	
9.	Mr. Sk. Mohd Ali	Associate Professor in Mathematics, LIET	Internal Member	
10.	Mrs. Jabeen Masarath	Assistant Professor in Mathematics, LIET	Internal Member	
11.	Mr. Syed Naseeruddin	Assistant Professor in Mathematics, LIET	Internal Member	



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12.	Mr.Mohd Nisaar	Assistant Professor in Mathematics, LIET	Internal Member	
13	Mrs.Shazia Tahseen	Assistant Professor in Mathematics, LIET	Internal Member	
14	Mrs. Bapu Rani	Assistant Professor in Mathematics, LIET	Internal Member	

AGENDA:

1. Introduction of BoS Members to the faculty and vice versa
2. Confirmation of last BOS minutes of meeting held on 10-08-2021 at 2:00 pm
3. Action taken report on last BOS minutes held on 10-08-2021.
4. Review and Finalization of Course Titles and Syllabus of the B.E II-Year III and IV Semester for the Academic year 2022-23 under the department of Mathematics.
5. Suggestions on Innovative Teaching Learning Process, Evaluation, Research & Development and Extension Activities of Mathematics,

Permanent Invitees: Dr. C.V. Narasimhulu, Principal, LIET
Dr. J. Sasi Kiran, Dean Ist Year, LIET

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

Deliberation: BoS Chairman 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 Chairman 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 Chairman shown the salient features, curriculum analysis, and 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 10-08- 2021 at 2:00 pm

Deliberation: BoS Chairman Presented the all Minutes of the last meeting in the presence of all members of 2nd BoS and they verified the minutes and approved.

Resolution: Noted and Approved



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Item No. 3: Action taken on the report of last BOS minutes of meeting held on 10-08-2021.

Deliberation: BOS Chairman presented the Action Plan taken on Minutes of last BOS meeting held on 10-08-2021 as mentioned in below tabular column.

S.No	Points Discussed	Action Plan Taken
1.	<p>University Nominee suggested the following points:</p> <ul style="list-style-type: none"> Scheme of evaluation should be 40 marks for internal and 60 marks for external Examination. Some of the application related topics may add to new courses like CSD, CSM. All Text books and reference books may be renamed as suggested reading books. The book titled R.K. Jain & S.R.K. Iyengar, Advanced Engineering Mathematics, Narosa Publications, 4th Edition, 2014 may add in the suggested books of Mathematics-I syllabus. 	All the Suggestions given by university Nominee have been taken to include in the syllabus and bounded.
2.	<p>External Member -1 suggested the following points:</p> <ul style="list-style-type: none"> He suggested using the right of changing 20% of the syllabus instead of following 100% OU syllabus. More application oriented topics may be added in the syllabus. LIET autonomous syllabus may be unique and standard one. Singular value decomposition, variations of order of ranks, pulse noise matrix, rank nullity topics may be included in the Mathematics-II syllabus for next regulation i.e. LR-22 or LR-23. 	All the Suggestions given by External Member -1 have been taken and small changes were made accordingly in the syllabus in required places.
3.	<p>External Member-2 suggested the following points:</p> <ul style="list-style-type: none"> Keep the syllabi of Mathematics-I and Mathematics-II same as per OU for "LR-21" Regulations for the Academic Year 2021-22. Some of the application related topics may add for the new courses like CSD, CSM. LIET autonomous syllabus may be unique and standard one. <p>Chairperson, BoS in Mathematics, Department of Mathematics, Osmania University, Hyderabad-500091</p> <p>Alumnus Member suggested the following points:</p> <ul style="list-style-type: none"> Suggested that the syllabus should be appropriate for the current scenario. Accepted the syllabus as suggested by BOS members. <p>Corporate Sector nominee has suggested the following:</p> <ul style="list-style-type: none"> He suggested to Keep the syllabi of Mathematics (Theory) same as per OU for "LR-21" Regulations for the Academic Year 2021-22. 	The suggestions of the external member-2 have been taken and modifications were made accordingly in the syllabus and bounded.
		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

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Item No. 4: Review and Finalization of course titles and syllabus of the B.E II-year, III and IV Semester for the Academic year 2022-23 under the department of Mathematics.

Deliberation: The Chairman BOS presented the II-Year III & IV Semester Course Structure and Syllabus for Academic Year 2022-2023 for the approval of BOS Members via Mathematics-III (Probability and Statistics) for CSE(AIML), IT, AIML, ECE in III-Semester and CSE in IV-Semester, Mathematics-III (PDE, Probability and Statistics) for CIVIL & MECHANICAL in III-Semester, Mathematics-III (Mathematics for Data Science) for CSE(DS) in IV-Semester, Mathematics-III (Probability Theory & Complex Variables) for EEE in IV-Semester of LR- 21 Regulation Courses were discussed.

After a thorough deliberation, the following changes were discussed by the BOS Committee members.

1. University Nominee suggested the following points:

- 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.

2. External Member -1 suggested the following points:

- 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.

3. External Member -2 suggested the following points:

- 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

4. Alumni suggested the following points:

- Syllabus should be precise and effective in engineering perspective.

Resolution: The Members after thorough discussion **approved** the Course Tittles of Mathematics Department via Mathematics-III (Probability and Statistics) for CSE(AIML), IT, AIML, ECE in III-Semester and CSE in IV-Semester, Mathematics-III (PDE, Probability and Statistics) for CIVIL & MECHANICAL in III-Semester, Mathematics-III (Mathematics for Data Science) for CSE(DS) in IV-Semester, Mathematics-III (Probability Theory & Complex Variables) for EEE in IV-Semester of LR- 21 Regulation Courses is given in **Annexure-I**.



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Item No. 5: 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, Awareness programs to publish research articles in Web of Science and Scopus Indexed Journals to be conducted.

Resolution: Noted and Approved

HOD, Mathematics held in high esteem the suggestions given by the members.

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 Chairman thanked all the members for the suggestions towards improvement.

BOS Chairman 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 Members

Dr. V. Naganjaneyulu
Chairperson – Board of Studies
Department of Mathematics

Lords Institute of Engineering and Technology[A]

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ANNEXURE - I

APPROVED COURSE TITLES

S.No	Approved Course Title	Course Code	Programme / Branch
1	MATHEMATICS-III (PROBABILITY AND STATISTICS)	U21MA301	II-Year B.E, III-SEM, CSE(AIML),IT, AIML & ECE
		U21MA401	II- Year B.E, IV-SEM, CSE
2	MATHEMATICS – III (PDE, P&S)	U21MA302	II-Year B.E, III-SEM, CIVIL & MECH
3	MATHEMATICS – III (MATHEMATICS FOR DATA SCIENCE)	U21MA402	II Year B.E, IV-SEM, CSE(DS)
4	MATHEMATICS – III (PROBABILITY THEORY & COMPLEX VARIABLES)	U21MA403	II Year B.E, IV-SEM, EEE

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