



# LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY (Autonomous)

Approved by AICTE | Affiliated to Osmania University | Accredited 'A' grade by NAAC | Accredited by NBA

Campus Address: Survey No.32, HimayatSagar, Near TSPA, Hyderabad – 500091

www.lords.ac.in

Ref.No:LIET/MATHEMATICS/BoS/MoM/2021/1

Date: 10<sup>th</sup> August, 2021

## DEPARTMENT OF MATHEMATICS

### MINUTES OF THE BOARD OF STUDIES MEETING

VENUE: Conference Hall, Lords Institute of Engineering and Technology (LIET)

The meeting was conducted as per the schedule to discuss the below agenda points at 2:30 pm on 10<sup>th</sup> August 2021.

#### AGENDA:

1. Introduction of BoS Members to the faculty
2. Introduction of the faculty members to the BoS members
3. Brief introduction of the Institution and Dept of Mathematics.
4. Proposal and Approval of Course Titles.
5. Proposal and Approval of the B.E. I Year Syllabus of Theory subjects.
6. Proposal and Approval of the M.E. I Year Syllabus of Mathematical Methods in Engineering subject.

#### MEMBERS ATTENDED:

S.No.	Names	Designation	Position
1	Dr. V. Naganjaneyulu	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	University Nominee
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
5	Mr. Hasan Zubair	Director, Cognizant Technologies, Hyderabad	Corporate Sector
6	Mr. Shaik Liyaqath	Project Manager - Planning & Execution Dept, Success HVAC, Solutions. Hyderabad	Alumni

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7	Dr. D. Raju	Associate Professor in Mathematics, LIET	Internal Member
8	Mr. Mohammed Irshad Ali	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

**Permanent Invitee:** Dr. C. V. Narasimhulu, Principal, LIET

Dr. J. Sasi Kiran, Dean I Year, LIET

**Special Invitee:** Dr. Syed Azam Pasha Qadri Vice-Principal, LIET

Dr. V. Naganjaneyulu, BoS Chairperson and HOD-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:

1. BoS Chairperson introduced the BoS External members to the respected Principal, LIET, and other faculty members of the department.
2. BoS Chairperson introduced the BoS internal members to Honorable BoS members and further presented the department profile.
3. BoS Chairperson presented the salient features, curriculum analysis, and I year Mathematics courses syllabi to the members of the BoS. After presenting the UG course structure and syllabi, the Chairman welcomed suggestions and comments from all BoS members.
4. The BoS members appreciated the BOS Chairperson and faculty members for their efforts in designing the course structure and suggested the following points in the UG course structure and syllabus.
5. Dr. B. Surender Reddy (University Nominee) suggested the following points:
  - Scheme of evaluation should be 30 marks for internal and 70 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-1 syllabus.
6. Dr. M.V. Ramana Murthy (Subject Expert-I) suggested the following points:
  - He suggested to use 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.

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  - LIET autonomous syllabus may be unique and standard one.

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② B. Surender Reddy

③ M.V. Ramana Murthy 10/10/8

④ M.V. Ramana Murthy

⑤ M.V. Ramana Murthy

⑥ M.V. Ramana Murthy 10/8/21

⑦ M.V. Ramana Murthy 10/8/21

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⑫ M.V. Ramana Murthy 10/8/21

- 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.

7. Dr. Enagandula Prasad (Subject Expert-II) suggested the following points:

- 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.

8. Mr. Shaik Liyaqath ( Alumni) suggested the following points:

- Suggested that the syllabus should be appropriate for the current scenario.
- Accepted the syllabus as suggested by BOS members.

9. Hasan Zubair, Director – Cognizant Technologies, Hyderabad has suggested the following:

- He suggested to Keep the syllabi of Mathematics (Theory) same as per OU for "LR-21" Regulations for the Academic Year 2021-22.

10. Dr. D. Raju, Associate Professor, Dept. of Mathematics, LIET suggested the following points:

- Suggested that the syllabus should be appropriate for the current scenario.
- Accepted the syllabus as suggested by BOS members.

11. Mr. Mohammed Irshad Ali, Associate Professor, Dept. of Mathematics, LIET suggested the following points:

- Discrete Mathematics and Boolean algebra topics may be incorporated in Second Year course.

12. Mr. Sk. Mohd Ali, Associate Professor, Dept. of Mathematics, LIET suggested the following points:

- He suggested to update remove some topics in case of introduction of new topics.

13. Mrs. Jabeen Masarath, Associate Professor, Dept. of Mathematics, LIET suggested the following points:

- Suggested that the syllabus should be appropriate for the current scenario.
- Accepted the syllabus as suggested by BOS members.

14. Mr. Syed Naseeruddin, Associate Professor, Dept. of Mathematics, LIET suggested the following points:

- Suggested that the syllabus should be appropriate for the current scenario.
- Accepted the syllabus as suggested by BOS members.

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15. Dr. J. Sasi Kiran, Dean I Year suggested the following points:

Dean first year Accepted the move of changing Mathematics-I & Mathematics-II syllabus.

- He told this year, we will follow OU syllabus as suggested by Internal members as per the recommendations of University Nominee.
- He assures the panel that we will follow the recommendations and suggestions given by the panel from the next regulations LR-22 or LR-23.

16. BoS Chairperson thanked all the members for the suggestions towards improvement.

17. Dr. V. Naganjaneyulu, BoS Chairperson presented the course syllabus of the MME (Mathematical Methods in Engineering) subject of I year M.E. (Thermal Engineering) course syllabus to the members of the BoS. After presenting the PG syllabus, the BoS Chairman welcomed suggestions and comments from all BoS members.

18. Dr. B. Surender Reddy (University Nominee) suggested the following points:

- Unit 4 & 5 of MME of M.E. syllabus may change and suggested books are also recommended according to verified syllabus.

19. Dr. M.V. Ramana Murthy (Subject Expert-I) also suggested the following points:

- Recommended and suggested the modifications done by him in Mathematical Methods in Engineering syllabus of ME in presence of Mechanical Hod Dr Azam Pasha Quadri and is accepted by Hod Mechanical.
- He Also suggested Unit 4 & 5 of MME of M.E. syllabus may change and suggested books are also recommended according to verified syllabus.

20. Dr. Enagandula Prasad (Subject expert-II) suggested the following points:

- He suggested Unit 4 & 5 of MME of M.E. syllabus may change and suggested books are also recommended according to revised syllabus.

21. Dr. Syed Azam Pasha Qadri BoS Chairman, Dept. of Mechanical, LIET suggested the following points:

- All suggested comments and modified syllabus has been taken into consideration for the subject to approval of BoS.

22. BoS Chairperson conveyed a 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 structure and syllabus of UG and PG, The Principal for continuous guidance and the Management for constant encouragement and support.

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**Conclusion:** Finally, the BoS committee has approved the course structure of B.E. Mathematics-I and Mathematics-II for I-Year and M.E. Mathematical Methods in Engineering and detailed syllabi of B. E. and M.E. I year courses related to Mathematics Department.

**NOTE:-** members of BoS recommended the approved resolutions to be presented in the Academic council for further discussion and approval. **Dr. V. Naganjaneyulu**

BoS Chairperson & Head Mathematics

Lords Institute of Institute of Engineering and Technology (Autonomous)

Hyderabad

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② *Dr. B. Surender Reddy*

③ *JP*  
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④ *JP* ⑤ *JP*

Dr. B. Surender Reddy  
Professor of Mathematics  
Department of Mathematics  
Osmania University  
Hyderabad-500 007

⑥ *Dr. B. Surender Reddy*  
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⑦ *JP*  
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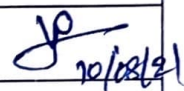



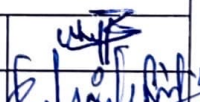
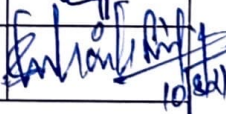


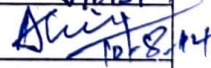
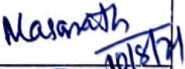

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## DEPARTMENT OF MATHEMATICS

### PROPOSED MEMBERS OF BOARD OF STUDIES

Meeting held on 10<sup>th</sup> August 2021 at 2:00 pm in Offline mode, Conference Hall, LIET Campus.  
The following members were present in the meeting.

Subject: MATHEMATICS				
S. No.	Name	Designation	Category	Signature
1.	Dr. V. Naganjaneyulu	Professor & HOD, 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 Vignana Jyothi Institute of Engineering And Technology (Autonomous), Hyderabad.	External Member	
Representative 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.	Dr. D. Raju	Associate Professor in Mathematics, LIET	Internal Member	
8.	Mr. Mohammed Irshad Ali	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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## DEPARTMENT OF MATHEMATICS MINUTES OF THE BOARD OF STUDIES

S.No	Name of the Member	Suggestions given
1	Dr. B. Surender Reddy	the titles and syllabus of M-I, M-II, ME (MME) is approved. Breddy 10/08/2021
2	Dr. M.V. Ramana Murthy	Titles of M <sub>1</sub> , M <sub>2</sub> and MME are approved with slight modification Murthy 10/08
3	Dr. Enagandula Prasad	Approved as mentioned as above. for the M <sub>1</sub> , M <sub>2</sub> & (UG) of MME for PG. Prasad 10/08/2021
4	Mr. Hasan Zubair	Approved on the basis of the board discussion Zubair 10/8
5	Mr. Shaik Liyaqath	Online journal links/website to be provided for students & syllabus convenience. Shaik Liyaqath approved. 10/8/2021





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## DEPARTMENT OF MATHEMATICS MINUTES OF THE BOARD OF STUDIES

### RESOLUTIONS

**Item No. 1** : Approval of Course Titles which is being offered by the Department of Mathematics under Lords Regulations [LR-21] for I,II Year B.E Programme.

The Chairperson of BOS Presented the Titles of Courses being offered by the Department of Mathematics under Lords Regulations [LR-21] for I, II Year B.E Programme

**Resolution** : The Members after thorough discussion have approved the Course Titles of I, II Year B.E Programme. The Details of Course Titles are given in Annexure-I.

Noted and Approved

**Item No. 2** : Approval of Mathematics-I Syllabus of LR-21 Regulations.

The Chairperson of BOS presented the detailed Syllabi of Mathematics-I of B.E I-Year (UG).

**Resolution** : The Members after thorough discussion approved the Syllabi of Mathematics-I of B.E I-Year (UG). The Details of Syllabi of Mathematics I is given in Annexure-II.

Noted and Approved

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## DEPARTMENT OF MATHEMATICS MINUTES OF THE BOARD OF STUDIES

### RESOLUTIONS

**Item No. 3** : Approval of Mathematics-II Syllabus of LR-21 Regulations.

The Chairperson of BOS presented the detailed Syllabi of Mathematics I of B.E I-Year (UG).

**Resolution** : The Members after thorough discussion approved the Syllabi of Mathematics-II of B.E I-Year. The Details of Syllabi of Mathematics II is given in Annexure-III (UG).

### Noted and Approved

**Item No. 4** : Approval of Mathematical Methods for Engineering Syllabus of LR-21 regulations of ME I-Year (PG)

The Chairperson of BOS presented the detailed Syllabi of Mathematical Methods for Engineering of M.E I-Year (PG).

**Resolution** : The Members after thorough discussion approved the Syllabi of Mathematical Methods for Engineering of M.E I-Year (PG).

The Details of Syllabi of Mathematical Methods for Engineering is given in Annexure-IV.

### Noted and Approved

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**DEPARTMENT OF MATHEMATICS**  
**MINUTES OF THE BOARD OF STUDIES**

**ANNEXURE I****APPROVED COURSE TITLES**

S.No	Approved Course Title	Programme
1	Mathematics-I	I-Year B.E (UG)
2	Mathematics-II	I-Year B.E (UG)
3	Mathematics-III	II-Year B.E (UG)
4	Mathematical Methods in Engineering	I Year M.E (PG)

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