

# LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

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Date: 05-07-2022

## MINUTES OF THE MEETING OF THE SECOND BOARD OF STUDIES

The Second Board of Studies Meeting of the Department of Civil Engineering was held on 05-07-2022 at 11:00 AM in Principal office Board Room, Lords Institute of Engineering and Technology, Hyderabad.

Members:

NO.	Name	Designation	Category	Signature
1	Dr. E.V. Raghava Rao	Professor & HoD, CE, LIET, Hyderabad.	Chairperson	
<b>Nominee of Osmania University</b>				
2	Dr. K. L. Radhika	Professor & Chairperson BoS, CE, Osmania University, Hyderabad.	Member-University Nominee	
<b>Experts/Academicians from outside the Parent University Nominated by Academic Council</b>				
3	Dr. G.V.V. Satyanarayana	Professor, CE, GRIET, Hyderabad.	Member- Academics	
4	Dr. Pallavi Badri	Professor, CE, VJIT, Hyderabad.	Member- Academics	
<b>Representative from Industry/Corporate/Allied areas relating to placements</b>				
5	Dr. B. Raghavendra	HoD, BDM, Aarvee Associates, Hyderabad	Member-Industry	
<b>Meritorious Alumnus nominated by Principal</b>				
	Er. T. Srinivas Karthik	Structural Designer, BK Thati & Associates, Hyderabad	Member-Alumni	
<b>Faculty members from Department</b>				
7	Dr. V.L.S. Banu	Professor, CE, LIET	Member	
8	Dr.T. Siva Sankar Reddy	Professor, CE, LIET	Member	
9	Dr. Asra Fatima	Associate Professor, CE, LIET	Member	
10	Mr. Mohammed Moiz	Assistant Professor, CE, LIET	Member	
11	Mr. B. Vijaykumarreddy	Assistant Professor, CE, LIET	Member	
<b>Special Invitees from the Institution</b>				
13	Dr. C.V. Narasimhulu	Principal, LIET	Permanent Invitee	

## **AGENDA:**

1. Discussion and Finalization of III-Semester and IV-Semester Course Structure of B.E Civil Engineering Programme.
  2. Discussion and Finalization of III & IV-Semesters Course Structure of M.E Structural Engineering (Civil Engineering) Programme and M.E Construction Management (Civil Engineering) Programme.
- Dr.E.V.Raghava Rao Chairperson and HOD (Civil Engineering) welcomed all the members of the Board of Studies, Principal and other faculty members to the meeting. BOS Chairperson introduced the new member of the board, Dr.T.Siva Sankar Reddy Professor, Dr.Asra Fatima Associate Professor, Mr.Mohammed Moiz Assistant Professor & Mr.B.Vijaykumarreddy Assistant Professor Department of Civil Engineering.

This was followed by the discussion on the agenda points mentioned above:

The following deliberations were made as per the agenda and resolutions were listed below:

### **1. Discussion on B.E III and IV semester courses syllabi:**

#### **Semester-III :**

BOS Chairperson presented the B.E III Semester Course Syllabi and after subject-wise elaborated discussion, BOS Members suggested the following points:

#### **Strength of Materials :**

1. Suggested to rename "Strength of Materials" subject to "Strength of Materials – I"

#### **Resolutions:**

1. Noted and to be implemented as suggested.

#### **Engineering Geology**

1. Suggested that no changes are required in Engineering Geology subject.

#### **Resolutions:**

1. Noted and approved.

#### **Surveying and Geomatics :**

Suggested the following changes:

1. UNIT-I : Syllabus has to be arranged in sub-headings.
2. UNIT-II : Remove Theodolite Surveying and focus only on Leveling ,  
Contouring and computation of areas and volumes.





3. UNIT-III : Include Theodolite Surveying and Introduction to Total Station.
4. UNIT-IV : Include Trigonometric Leveling and Curves.
5. UNIT V : Include Modern Field Survey and EDM instruments.

**Resolutions:**

1. Noted and to be implemented
2. Changes are done and will be considered accordingly.
3. Noted about Theodolite Surveying and will introduce Total Station.
4. Noted to introduce Trigonometric Leveling and Curves.
5. Noted to include Modern Field Survey and EDM instruments.

**Strength of Materials Lab :**

Suggested the following changes:

1. Izod and Charpy tests can be clubbed. Similarly Bending test on Simply Supported Beam and Cantilever Beam can be clubbed.
2. Total experiments must be 10 and all are compulsory.
3. Mention 2 to 3 text books and 3 to 5 reference books.
4. From Course objectives mentioned, replace the key word "understand" with higher level Blooms taxonomy key word.

**Resolutions:**

1. Noted and to be implemented.
2. It is resolved that total 10 experiments are compulsory and approved.
3. It is resolved that 2 to 3 text books and 3 to 5 reference books are compulsory for all subjects and to be implemented.
4. It is resolved that higher level Blooms taxonomy key words are to be used for all the course objectives for all subjects and to be implemented.

**Engineering Geology Lab:**

1. Suggested that no changes are required in Engineering Geology Lab.

**Resolutions:**

1. Noted and approved.

**Surveying and Geomatics Lab :**

1. Suggested that no changes are required in Surveying and Geomatics Lab.

**Resolutions:**

1. Noted and approved.

**Semester-IV:**

BOS Chairperson presented the B.E IV Semester Course Syllabi and after subject-wise elaborated discussion, BOS Members suggested the following points:

**Structural Analysis – I :**

Suggested the following changes:

1. Rename Structural Analysis – I subject to Strength of Materials – II
2. UNIT-I : Replace UNIT – I with Deflections and different methods for deflections : Double integration method, moment area method, conjugate beam method, strain energy method, Mcclausnus method.
3. UNIT- II : No changes.
4. UNIT-III : Replace with Columns and Struts . Column analogy method is compulsory.
5. UNIT - IV : Replace moment distribution method with Energy methods. Include Castigliane's theorem – I and II. Up to the degree of redundancy to 1 for Beams, Frames and Trusses.
6. UNIT - V : Replace Kani's method with Unsymmetrical bending and shear centre.

**Resolutions:**

1. It is resolved to rename Structural Analysis – I subject as Strength of Materials – II and to be implemented.
2. It is resolved that the content of UNIT – I is replaced with Deflections and different methods for deflections and to be implemented.
3. Noted and approved.
4. Changes are done and will be considered accordingly.
5. It is resolved that the in UNIT – V Moment Distribution Method is replaced with Energy Methods and will be considered accordingly.
6. It is resolved that the topic of Kani's method is replaced with Unsymmetrical bending and shear centre. and will be considered accordingly.

**Hydraulics and Hydraulic Machinery :**

1. Suggested to rename to Hydraulic Engineering. In response to that BOS Chairperson mentioned to continue with the same name

**Resolutions:**

1. Noted and approved.

**Building Materials Testing and Evaluation :**

Suggested the following changes:

1. The word Evaluation has to be removed, as there is no Evaluation of the results are done.
2. Rename Building Materials Testing and Evaluation subject to Building Materials and Construction Practices.
3. UNIT – I: Include Introduction to stones and manufacturing of blocks.
4. UNIT-II : No changes
5. UNIT-III : Replace with Mortar, Concrete and Steel.
6. UNIT – IV : Replace with Timber, Paints, Varnish, distemper and also sustainability or eco friendly materials.
7. UNIT-V : Include Form work and scaffolding. Remove NDT.



8. In references include NPTEL link.
9. Reframe the syllabus.

**Resolutions:**

1. It is resolved that Evaluation has to be removed and to be implemented.
2. Noted and to be implemented.
3. It is resolved to include introduction to stones and manufacturing of blocks in UNIT – I , which has to be implemented.
4. Noted and approved.
5. Changes are done and will be considered accordingly.
6. Changes are done and will be considered accordingly.
7. Noted and to be implemented as suggested.
8. Noted and will include NPTEL link in references.
9. Noted and to be implemented as suggested.

**Transportation Engineering :**

Suggested the following changes:

1. Shift UNIT – IV to UNIT – III
2. Shift UNIT – V to UNIT- IV
3. Shift UNIT – III to UNIT – V
4. Frame the syllabus based on the competitive exams.

**Resolutions:**

1. It is resolved that UNIT – IV shifted to UNIT – III and will be implemented.
2. It is resolved that UNIT – V shifted to UNIT – I V and to be implemented.
3. It is resolved that UNIT – III shifted to UNIT – IV and to be implemented.
4. It is resolved to frame syllabus depending up on competitive exams and to be implemented.

**Hydraulics and Hydraulic Machinery Lab:**

1. Suggested to rename Hydraulics and Hydraulic Machinery Lab to Hydraulic Engineering Lab.

**Resolutions:**

1. Noted and to be implemented as suggested.

**Building Material Testing and Evaluation Lab:**

Suggested the following changes:

1. The tests were already included in Strength of Materials Lab and Concrete Technology Lab. The test on Bricks can be included in Strength of Materials Lab.
2. Replace BMTE Lab with Transportation Lab.

**Resolutions:**

1. Noted and to be implemented.

2. It is resolved that BMTE Lab replaced with Transportation Lab.

#### Other Points :

1. Suggested to include NPTEL link in all the subject references. .
2. Suggested to change the titles, if required.

#### Resolutions:

1. It is resolved that NPTEL link should be included in all the subject references and will be implemented.
2. Noted and will be implemented as suggested.

The B.E. CIVIL ENGINEERING Course Structure of III Semester and IV Semester is attached as Annexure – I.

The B.E. CIVIL ENGINEERING Course Syllabus of III Semester and IV Semester is attached as Annexure – II

#### 2. Discussion and Finalization of of M.E Structural Engineering (Civil Engineering) Programme and M.E Construction Management (Civil Engineering) Programme:

BOS Chairperson presented the M.E III Semester Course Syllabi and after subject-wise elaborated discussion, BOS Members suggested the following points:

1. Suggested that ME- SE – for Structural Dynamics Lab has to be Established / Experiments are to be planned to conduct virtually.
2. Suggested for collaboration with IIIT, Hyd for conducting experiments virtually.
3. ME-SE – Advanced Structural Analysis can be included in Sem- I and Structural Dynamics in Sem – II

#### Resolutions:

1. It is resolved that ME- SE – for Structural Dynamics Lab experiments are to be planned to conduct virtually and to be implemented.
2. It is resolved that LIET is to be collaborated with IIIT, Hyd and to be implemented.
4. It is resolved that ME-SE – Advanced Structural Analysis can be included in Sem- I and Structural Dynamics in Sem – II and to be implemented.

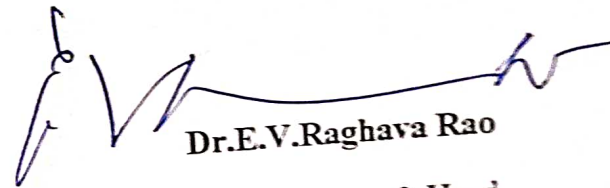
The M.E. STRUCTURAL ENGINEERING Course Structure of III Semester and IV Semester is attached as Annexure – III.

M.E. STRUCTURAL ENGINEERING Course Syllabus of III Semester and IV Semester is attached as Annexure – IV.

**The M.E. CONSTRUCTION MANAGEMENT Course Structure of III Semester and IV Semester is attached as Annexure – V.**

**M.E. CONSTRUCTION MANAGEMENT Course Syllabus of III Semester and IV Semester is attached as Annexure – VI.**

BOS Chairperson conveyed a vote of thanks to all the BOS members for spending their valuable time in reviewing the syllabi, department faculty members for the support in designing the syllabus for III and IV Semester Courses & Service Courses, and the Principal for continuous guidance and the Management for constant encouragement and support.



**Dr.E.V.Raghava Rao**

**BoS Chairperson & Head  
Department of Civil Engineering  
Lords Institute of Engineering and Technology (Autonomous)**