



LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

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Date: 12-04-2023

MINUTES OF THE MEETING OF THE THIRD BOARD OF STUDIES

The Third Board of Studies Meeting of the Department of Civil Engineering was held on 12-04-2023 at 10.00 AM in Principal office Board Room, Lords Institute of Engineering and Technology, Hyderabad.

Members:

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

AGENDA:

1. Discussion and Finalization of V-Semester and VI-Semester Course Structure of B.E Civil Engineering Programme.
 2. Review 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. K. Mohammed Imthathullah khan**, Associate Professor and **Mrs. A. Swetha**, 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 V and VI semester courses syllabi, ME Structural Engineering and ME Construction Management:**
 - a) **Suggested to maintain the uniformity in framing the number of course objectives, course out comes, suggested readings and references.**
 - **For each course, 5 course objectives are maintained**
 - **For each course, 5 course outcomes are to be framed.**
 - **For each course two text books are to be mentioned.**
 - **References can of anu number but Uniformity has to be maintained while mentioning the text books and references i.e the order for mentioning book is as :
Name of the text book, Author name, Publisher, year.**
 - **Latest publications should be included in the references**
 - b) **Faculty with water resources, specialization must be present in BoS meeting.**

Semester- V :

BOS Chairperson presented the B.E V Semester Course Syllabi and after that subject-wise elaborated discussion was done and BOS Members suggested the following points:

Concrete Technology :

Suggested the following changes:

1. UNIT-I: Instead of "chemical composition" change to "constituents of cement". Rearrange the order of topics as follows: constituents of cement - types of cement, different grades of cement, manufacturing of OPC- hydration of cement – hydrated products – heat and rate of hydration.
2. UNIT-II: Shift "Fresh concrete" to UNIT-I. include properties of Hardened concrete in UNIT –II.
3. UNIT-III: Include admixtures.
4. UNIT – IV: Mix design: Start with basic considerations.
5. UNIT-V : Suggested to include Special concretes – high strength concretes - properties – application.

Resolutions:

1. Noted and to be implemented as suggested.

Structural Analysis - I :

Suggested the following changes:

1. Rename Structural Analysis – II to Structural Analysis- I.
2. Include Structural Analysis – II in VI semester.
3. UNIT-I : Frame the syllabus with Slope deflection method.
4. UNIT-II : Frame the syllabus with Moment distribution method.
5. UNIT- III : Frame the syllabus with Kanis method
6. UNIT- IV : Frame the syllabus with Elastic theory of arches,
7. UNIT- V : Cables and suspension bridges.

Resolutions:

1. Noted and to be implement

Hydrology and Water Resources Engineering :

Suggested the following changes:

- 1 Rename to "Hydrology and Water Management".
- 2 UNIT-I: Rename application of Hydrology to application in Engineering.

Resolutions:

2. Noted and to be implement

Professional Electives:

1. Suggested to swap the courses of Professional Elective 1 and Professional Elective 2

Resolutions:

1. Noted and to be implemented as suggested.

PROFESSIONAL ELECTIVE 1

Ground Improvement Techniques :

Suggested the following changes:

1. UNIT-I : Include "soil map in India" as sub topic.
2. UNIT- V : Remove bold for " significance of Shear Strength in Soils". Remove stability of slopes and include in Foundation. Include soil reinforcement.

Resolutions:

3. Noted and to be implement

Advanced Surveying :

1. UNIT- V : Suggested to frame the syllabus in more detail. Include modern methods of surveying.

Resolutions:

1. Noted and to be implement

Air and Noise Pollution :

Suggested the following changes:

1. Include noise pollution in the syllabus.
2. UNIT – IV : Frame the syllabus for noise pollution.
3. UNIT – V : Frame the syllabus with control methods of air and noise pollution.

Resolutions:

1. Noted and to be implement

Resolutions:

- 1 Noted and to be implement.

Semester- VI :

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

Geotechnical Engineering:

Suggested the following changes:

- 1 UNIT- II : Swap consolidation and capillary.
- 2 UNIT-IV: Rename compaction process to compaction
- 3 UNIT- V : Remove bold for "Significance of shear strength in soils". Remove sub topic " Stability of Slopes".

Resolutions:

- 1 Noted and to be implement.

Business Economics and Financial Analysis :

Suggested the following changes:

1. Replace BEFA with Structural Analysis-II. Shift BEFA to 4th year by taking care of credits.
The following units are to be considered for framing of Structural Analysis – II syllabus:
2. UNIT- I : Replace " Elastic theory of Arches, Two hinged arches , cables and suspension bridges with influence lines. Include Castiglione's theorems.
3. UNIT- II : frame the syllabus with "Flexibility Matrix Method".
4. UNIT-III : frame the syllabus with "Stiffness Matrix Method".
5. UNIT-IV : frame the syllabus with " Direct Element Method".
6. UNIT – V : Remove "substitute frame method". Suggested to include "analysis of Frames subjected to Lateral loads".

Resolutions:

- 1 Noted and to be implement

Design of Reinforced Concrete Structures:

Suggested the following changes:

- 1 UNIT – I : Start with materials – introduction , structural design and working stress method.
- 2 UNIT- II : Add Singly reinforced beam along with doubly reinforced beams followed by check for deflection and cracking.
- 3 UNIT- III : Remove “ – “ and replace with “ in”.

Resolutions:

- 1 Noted and to be implement.

Construction Project and Planning:

Suggested the following changes:

- 1 UNIT- III : Include, introduction to Primavera.
- 2 UNIT- V : Split UNIT - IV in to UNIT- IV and UNIT-V.
- 3 UNIT V : Exclusively topics of safety aspects.

Resolutions:

- 1 Noted and to be implement.

Sustainable Construction Methods:

- 1 UNIT- III : Suggested to move TERI's topic to UNIT- V.

Resolutions:

- 1 Noted and to be implement.

Traffic Engineering and Management:

- 1 Suggested to rename to “ Traffic engineering”

Resolutions:

- 1 Noted and to be implement.

Computer Aided Civil Engineering Drafting, Analysis and Design Lab:

Suggested the following changes:

- 1 Rename to "computer application Lab" and reframe the syllabus.
- 2 Give emphasis on two software's.
- 3 Consider applications in the areas : Structures, Water Resources, Geotechnical.

Resolutions:

- 1 Noted and to be implement.

Geotechnical Engineering Lab:

- 1 Suggested to renumber the list of experiments as follows:
Renumber "Field density by core cutter method" to (4a) . Renumber "Field density by sand replacement method " to (4b). Total number of experiments will be 13.

Resolutions:

- 1 Noted and to be implement.

Seminar :

Suggested the following changes:

- 1 Reframe the course outcomes. CO1 and CO2 are to be framed appropriately.
- 2 Reframe the course content and make it to two paras.

Resolutions:

- 1 Noted and to be implement.

Engineering Mechanics: Course offered in II Sem.

Suggested the following changes:

- 1 UNIT – I: Rename " Introduction to Engineering Mechanics" to "Engineering Mechanics".
- 2 UNIT – IV: Analysis of perfect frames: Include "tension coefficient method"

Resolutions:

- 1 Noted and to be implement.

OEC1 : Construction Materials

- 1 UNIT-III : suggested to remove "Concrete" and include more materials like ferrous and non ferrous materials, electronic material etc.

Resolutions:

- 1 Noted and to be implement.

ME Structural Engineering

Suggested the following changes:

- 1 Grouping of professional electives are to be done in such way that the students have to select the following core subject from the grouping, which has the market demand.

- PE1 – Theory of Plates
- PE2 – Advanced Concrete Technology .
- PE3 – Earthquake resistant design of buildings.
- PE4 – Design of pre-stressed concrete structures.
- PE5 – Advanced steel design.

- 2 Advanced Reinforced Concrete Design

Suggested the following changes:

- UNIT-I: merge Unit-I and Unit-II
- UNIT-II : frame syllabus with flat slabs and circular slabs.

- 3 Earth quake resistant Design of Buildings:

Suggested the following changes:

- UNIT-I: Remove sub topic - structural dynamics.

- 4 Structural Dynamics Lab :

Suggested the following changes:

- Remove the key word virtual.

- 5 Advanced Concrete Technology:

Suggested the following changes:

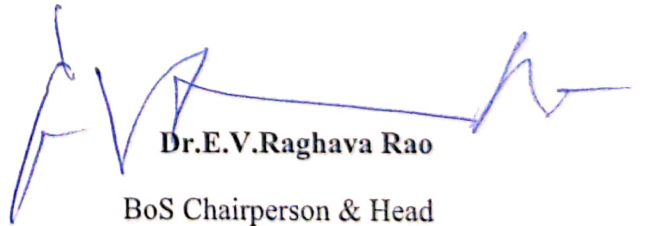
- UNIT-I: merge Unit-I and Unit-II
- UNIT-II : reframe the syllabus with flat slabs and circular slabs.

ME Construction Management

Computing Application Lab:

Suggested the following changes:

- 1 Rename "Computing Application Lab" to "Computing Application Lab in Construction Management".
- 2 In the list of experiments , mention the name of the software.
- 3 Added one more experiment " Importing and Exporting file in Primavera".



Dr.E.V.Raghava Rao

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