

Minutes of 14th Board of Studies Meeting

Venue: Daffodil (Hybrid Mode)

Date: 21.11.2025

Meeting ID: 959 8019 1658

Time: 02.15 PM

Agenda:

To discuss and pass

- Action Taken Report on the recommendations of the previous BoS meeting.
- Curriculum structure (Semesters III to VIII) under Regulations 2025.
- Curriculum and syllabi for UG Programme (R2025) – Semesters III and IV.
- Stakeholders Feedback
- Curriculum and syllabi for UG Programme (R2021) – Honours with Specialization (18 Credits) in Construction Management.
- MOOC / Online Courses.
- Proposal for Industry-Oriented Courses (One Credit Courses) under Regulation 2021
- Review and discussion of CO/PO targets.
- Any other Matter.

Members Present:

S.No	Name of the member with Designation	Category	Signature
1.	Dr. K S. Elango Associate Professor and Hod i/c Department of Civil Engineering, KPRIET	Chairman	
2.	Dr. S. Arulselvan Associate Professor, Department of Civil Engineering Coimbatore Institute of Technology, Coimbatore..	University Nominee	online
3.	Dr. Shihabudheen M. Maliyekkal Professor Department of Civil Engineering, IIT Tirupati	Academic Expert	Online
4.	Dr. Koshy Varghese Professor Department of Civil Engineering, Indian Institute of Technology Madras, Chennai	Academic Expert	Online
5.	Mr Mathew Vice President. Pentium	Industry Expert	online

Department of Civil Engineering

KPR Institute of Engineering and Technology




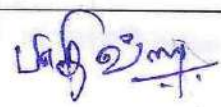


6.	Gokula Krishnan R VR Designs & Construction, Coimbatore	Alumni	online
7.	Mrs. S. Bharani Assistant Professor (Sr. G.), Department of Civil Engineering, KPRIET	BoS Coordinator	S. Bharani 21/11/25
8.	Dr. S. Kanmani Associate Professor, Department of Civil Engineering, KPRIET	Faculty Member	Dr. S. Kanmani 21/11/25
9.	Dr. R. Dharmaraj Associate Professor, Department of Civil Engineering, KPRIET	Faculty Member	Dr. R. Dharmaraj 21/11/25
10.	Dr. R. Saravanakumar Associate Professor, Department of Civil Engineering, KPRIET	Faculty Member	Dr. R. Saravanakumar 21/11/25
11.	Dr. V. Rajeshkumar Associate Professor, Department of Civil Engineering, KPRIET	Faculty Member	Dr. V. Rajeshkumar 21/11/25
12.	Dr. S. Anandaraj Assistant Professor (Sr. G.), Department of Civil Engineering, KPRIET	Faculty Member	Dr. S. Anandaraj 21/11/25
13.	Mrs. R. Kavitha Assistant Professor (Sr. G.), Department of Civil Engineering, KPRIET	Faculty Member	Mrs. R. Kavitha 21/11/25
14.	Mr. V. Kavinkumar Assistant Professor (Sr. G.), Department of Civil Engineering, KPRIET	Faculty Member	Mr. V. Kavinkumar 21/11/25
15.	Mr. S. Elavarasan Assistant Professor (Sr. G.), Department of Civil Engineering, KPRIET	Faculty Member	Mr. S. Elavarasan 21/11/25
16.	Dr. S. Yuvaraj Assistant Professor (Sr. G.), Department of Civil Engineering, KPRIET	Faculty Member	Dr. S. Yuvaraj 21/11/25
17.	Mr. S. Logeswaran Assistant Professor, Department of Civil Engineering, KPRIET	Faculty Member	Mr. S. Logeswaran 21/11/2025

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18.	Mr. S. Venkat Raman Assistant Professor, Department of Civil Engineering, KPRIET	Faculty Member	 21/11/25
19.	Mr. S. Vinoth Assistant Professor, Department of Civil Engineering, KPRIET	Faculty Member	 21/11/25
20.	Ms. S Saranya IV civil KPRIET	UG Student	 S. Saranya,
21.	Ms. P Divyasree III Civil KPRIET	UG Student	 P. Divyasree

Minutes of the 14th Meeting of the Board of Studies:

The meeting commenced with the Chairman, Department of Civil Engineering welcoming all members of the Board of Studies. The Session begins with the presentation of Vision, Mission, PEOs, PSOs and the Curriculum framework under Regulations 2025 for the Undergraduate programme (Semester III to VIII), along with the detailed syllabus for Semester III and Semester IV. The following points were discussed at the Board of Studies.

RESOLUTIONS:

1. Action taken on the minutes of the 13th BOS meeting:

The minutes of the 13th BoS meeting and the action taken thereon are approved

S No	Suggestion Received	Action Taken
1	Dr J S Sudarsan suggested to include a site visit to renowned structures as part of the course	The suggestion has been considered and implemented in U25CE101 – Civil Engineering Perspectives Subject (Semester I).
2	Dr J. S. Sudarsan suggested to incorporate concept - based demonstrations in U25CE201 – Engineering Mechanics for Civil Engineering subject.	Concept-based demonstration activities have been planned to be integrated into the course delivery
3	Er. Arunkumar suggested to shift Structural Analysis I from Semester V to Semester IV.	Due to the course sequencing and prerequisite structure the suggestion is not able to be carried out.
4	Dr J S Sudarsan and Er Arunkumar suggested to change the subject Climate change and Mitigation from Semester VII	Since the Climate Change and Mitigation subject is essential in present scenario the subject

	as a Professional Elective and to include Rehabilitation and Retrofitting of structure as a core course.	remains same. Rehabilitation and Retrofitting of Structures continues in the Professional Elective course.
5	Dr J S Sudarsan suggested to include AR/VR in Civil Engineering in the upcoming curriculum	AR/VR is planned to be included as a Value-Added Course in the upcoming semester
6	Dr J S Sudarsan suggested to include the PowerBI tool as value added course to students and Gateway based teaching to students for possible subjects.	Power BI is planned to include as value added course in the upcoming semester Innovative teaching-based activities have been integrated into each course, with their implementation to be planned and documented during the course plan preparation
7	Er R Gokula Krishnan suggested to include design project during Semester VII.	Suggestion have been considered and incorporated.

2. Curriculum and syllabi under Regulation R2025 UG Programme – Sem III and Sem IV

Dr. K S Elango presented the Curriculum and syllabi for R 2025 UG Programme – Semester III and Semester IV and the Board approved and recommended the same to the Standing committee of the Academic council for discussions:

Course Code	Course Name	Suggestion
Semester III		
U25CE301	Strength of Materials	Nil
U25CE302	Construction Engineering – Materials and Methods	<ul style="list-style-type: none"> Dr S Arulselvan suggested to change the Course Name as Construction Materials and Techniques. Academic expert suggested to give more weightage for materials topics in syllabus.
U25CE303	Engineering Survey	<ul style="list-style-type: none"> Dr Koshy Varghese suggested to add Modern Surveying topics such as GIS and Photogrammetric survey to the Syllabus. Dr S Arulselvan Suggested to include the topic "hypotenuse allowance" and also suggest to add "Simpson and Trapezoidal

		rule" for area and volume calculation
U25CE305	Materials Laboratory Testing	Dr S Arulselvan Suggested to include the Macadam test, Centrifugal Extract and Marshall Stability Test in Laboratory Experiments.
U25CE306	Surveying Laboratory	Dr S Arulselvan suggested to use the instrument "Auto level" instead of "Dumpy level" for surveying Laboratory Experiments
U25MCC033	Lean Construction	Dr Koshy Varghese stated that the content of the syllabus will be advanced for students at III Semester and he suggested to offer this course in VI Semester,
Semester IV		
U25CE401	Fluid Mechanics and Hydraulic Engineering	Dr. Koshy Varghese suggested to incorporate advanced tools into this course. Dr. K. S. Elango clarified that these tools have already been included under content beyond the syllabus.
U25CE402	Highway Engineering	Dr Koshy Varghese suggested to add traffic system, Traffic flow and transportation related topics to the syllabus
U25MCC34	Machine Learning Techniques for Civil Engineers	Dr Koshy Varghese suggested to include data set preparation methods to the syllabus. Dr Koshy Varghese enquired about the details of dataset in Machine learning techniques for Civil Engineering. Dr K S Elango explained about the details of dataset to be used in the course.

3. Gathering inputs from members for Curriculum of Regulation R 2025 UG programme - V to VIII Sem

- Dr. Shihabudheen M. Maliyekkal suggested to include the courses such as Air quality, Solid Waste Management. Dr K S Elango explained that this Courses will be planned to offered under Environmental Engineering Vertical as Professional Electives.
- Dr K S Elango explained that SA I and SA II, SOM I and SOM II courses have been merged as single course in the curriculum (R2025). The same has been reviewed by the board members

- Dr Koshy Varghese suggested to add Transportation Engineering related course in Semester VI in the curriculum. Dr S Arulselvan also suggested to add Railway, Airport and Harbour Engineering in Semester VI.
- Dr. Shihabudheen M. Maliyekkal addressed that the credits in the semester VI is higher, when compared to other semester and suggested to shift certain credits to V semester.
- Dr Koshy Varghese asked about the MOOC/ Professional certification in Semester VI. Dr K S Elango explained that this course is mandatory for all students and they will study NPTEL course(12 Weeks) to obtain this credit.

4. Curriculum and Syllabi for Open Elective Course for Regulation R 2025

Dr. K S Elango presented the Curriculum and syllabi of Open Electives for Regulation R2025 UG Programme, and the Board approved and recommended the same to the Standing committee of the Academic council for discussions:

- U25CEX01 – Smart City Systems and Infrastructure Planning

Dr S Arulselvan suggested to add this course as professional elective for Civil Engineering discipline students in the V semester.

5. Mandatory Credit Course (MCC) for Regulation R2025 UG Programme – For Civil Engineering Disciplines

Dr. K S Elango presented the Curriculum and syllabi of MCC Course for Regulation R2025 UG Programme, and the Board approved and recommended the same to the Standing committee of the Academic council for discussions:

- Essentials of 3D Concrete printing in Construction
- Machine Learning Techniques for Civil Engineers

6. Mandatory Credit Course (MCC) for Regulation R2025 UG Programme (Common to all Branches)

Dr. K S Elango presented the Curriculum and syllabi of MCC Course for Regulation R2025 UG Programme, and the Board approved and recommended the same to the Standing committee of the Academic council for discussions:

- Sustainable Engineering
- ESG and Business Sustainability

Dr Koshy Varghese suggested to add the topic Sustainable construction in the course – “Sustainable Engineering”, and also suggested to add this course as a prerequisite for the course “ESG and Business Sustainability”.

7. Curriculum and syllabi for UG Programme (R2021) – Honours with Specialization (18 Credits) in Construction Management.

Dr. K S Elango presented the Curriculum and syllabi of Honours with Specialization in Construction Management under Regulation R2021 UG Programme, and the Board approved and recommended the same to the Standing committee of the Academic council for discussions:

Course Code	Course Name	Suggestion
Semester III		
U21CEP48	Materials and Supply Chain Management	Dr Koshy Varghese Suggested to frame the syllabus focussing on Construction supply chain rather than Manufacturing supply chain. He also suggested to offer the course "Construction Contracts and Specification" instead of "Materials and Supply Chain Management"
U21CEP49	Construction Safety and Health Management	Dr Koshy Varghese suggested to add two unit related to Quality control Management instead of Health Management. He also suggested to change the course name as "Construction Safety and Quality Management"
U21CEP50	Construction Personnel Management	Dr Koshy Varghese suggested to offer the course "Quantitative Methods in Construction Management" instead of "Construction Personnel Management".
U21CEP51	Construction Economics and Finance Management	Nil
U21CEP52	MS PROJECT and PRIMAVERA for Construction Project	Dr Koshy Varghese suggested to change this course from Project component to Theory with Lab component.

8. MOOC online courses

The following MOOC online course for Regulation 2021 – UG programme was recommended to the Standing committee of the Academic council for discussions:

- Remote Sensing: Principles and Applications
- A Hybrid Course on Water Quality – An Approach to people's water data
- Admixtures and Special Concrete

9. Ratification and approval for New Additional credit courses

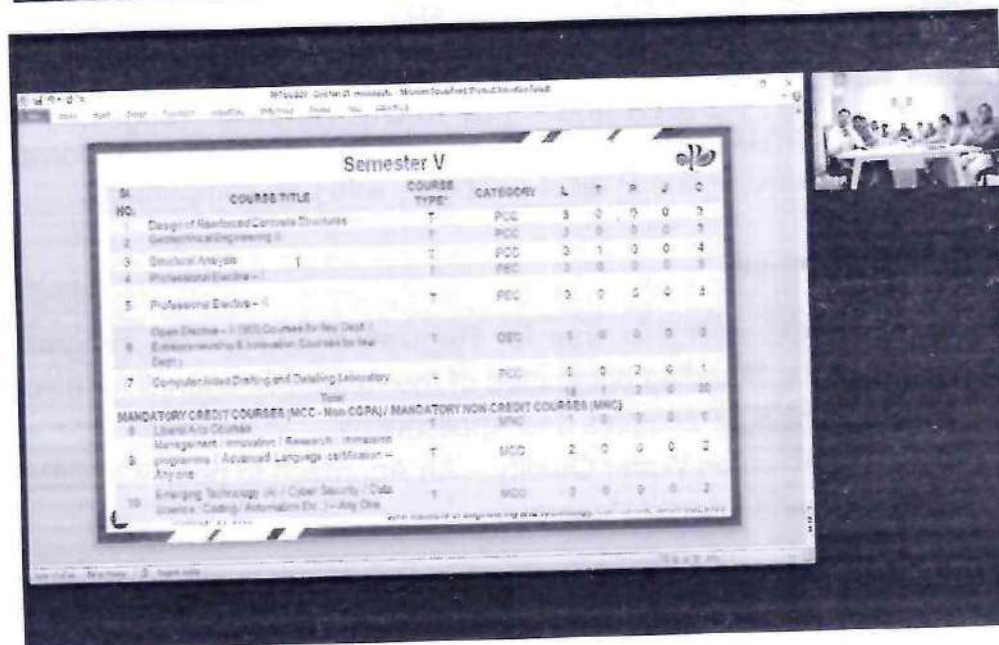
The following One credit course for Regulation 2021 – UG programme was ratified and recommended to the Standing committee of the Academic council for discussions:

- U21OCE15 - Innovation and Advances in Special Concrete and Mix Design

10. Any other subject

- Dr. K S Elango presented the achievements of Civil Engineering department such as events organised, student internship and other achievements by students and faculty
- Dr. S Arulselvan, Dr. Shihabudheen M. Maliyekkal, Dr. Koshy Varghese, and Mr. R Gokulakrishnan congratulated the students and the faculty members for the achievements.

Photographs of 14th BoS Meeting:

Sl. No.	COURSE TITLE	COURSE TYPE	CATEGORY	L	T	P	C
1	Design of Reinforced Concrete Structures	T	POC	3	0	0	3
2	Geotechnical Engineering II	T	POC	3	0	0	3
3	Structural Analysis	T	POC	3	1	0	4
4	Professional Practice - I	T	POC	3	0	0	3
5	Professional Practice - II	T	POC	3	0	0	3
6	Open Elective - I (POC Courses for Reg. Dept. / Extensionship & Innovation Courses for Reg. Dept.)	T	POC	3	0	0	3
7	Computer Aided Drafting and Detailing Laboratory	L	POC	1	0	2	1
MANDATORY CREDIT COURSES (MCC - Min. GPA) / MANDATORY NON CREDIT COURSES (MNC)							
8	Liberal Arts Courses	T	MNC	1	0	0	1
9	Management / Innovation / Research / Innovation programmes / Advanced Language / Innovation - Any one	T	MNC	2	0	0	2
10	Emerging Technology (AI / Cyber Security / Data Science / Coding/ Automation Etc. - Any One)	T	MNC	3	0	0	3

Signature
Chairman - BoS/Civil