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(Deemed to be University under section 3 of UGC Act, 1956)

Department of Civil Engineering

Date: 18-06-2026

Time: 10.00 AM to 11.00 AM

Minutes of 2nd BOS Meeting

The Second Meeting of the Board of Studies (BoS) of the Department of Civil Engineering was held on 18th June 2026 through online mode. The meeting was attended by the external expert members of the BoS, alumni and student representatives, the Dean (Academics), Dean (School of Engineering), Chief Technology Officer, and faculty representatives of the Department of Civil Engineering, MITS – Deemed to be University. The primary objective of the meeting was to review the curriculum and syllabi under the R25 Regulations and to obtain valuable suggestions from the Board members for further enhancement.

Agenda of the Meeting:

1. Vision and Mission of the Department
2. Program Educational Objectives (PEOs) and Program Specific Outcomes (PSOs) for UG program.
3. Course structure for B.Tech Civil Engineering
4. II Year B.Tech Civil Engineering syllabus
5. Any other matter with the permission of the Chair.

Meeting Link:

https://teams.microsoft.com/meet/47022661070271?p=av5Y4URVptsfwt5E1E

Members Present:

S.no	Members	Composition as per University Guidelines	Designation and Address
1	Dr. Vijayakumar Natesan	Chairman of BOS	Asst. Professor and HoD, CED, MITS
2	Mr. K Venkataraman	Industry Expert	Head - Technical Services, UltraTech Cement Limited Chennai, Tamil Nadu
3	Dr. Palanisamy T	Academic Expert	Associate Professor, NITK Surathkal
4	Mr. K Sai Krishna	Alumni Member	Deputy Manager Cholamandalam MS Risk Services Ltd., Chennai
5	Mr. P Tharun	Student Representative	CED, MITS
6	Dr. Rama S Komaragiri	Invitee - Professor & Dean-Academics	ECED, MITS
7	Dr. Dipankar Roy	Invitee member - Professor and Dean (SOE)	CED, MITS
8	Mr. Sanath Hegde	Invitee - Chief Technology Officer	MITS
9	Dr. Sudheer Kumar Y	Invitee member - Associate Professor	CED, MITS
10	Dr. T. Venkatesh Varma	Invitee member - Assistant Professor	CED, MITS
11	Dr. Nunna Tagore Sai Priya	Invitee member - Assistant Professor	CED, MITS
12	Dr. Imran Kuttagola	Invitee member - Assistant Professor	CED, MITS
13	Mrs. Kandukuri Anitha	Invitee member - Assistant Professor	CED, MITS
14	Mr. B. Veeresh	Invitee member - Assistant Professor	CED, MITS
15	Mr. P. Sabarishkumar	Invitee member - Assistant Professor	CED, MITS

After detailed deliberations, the following observations and recommendations were made by the members:

A. Curriculum Structure

1. Nomenclature in the curriculum

- The Board suggested adopting a universal nomenclature in the UG 8-semesters programme like Semester I (1st year), Semester II (1st year), Semester III (2nd year), Semester IV (2nd year), Semester V (3rd year), Semester VI (3rd year), Semester VII(4th year), Semester VIII (4th year) as given in AICTE model syllabus and referring to other national and international universities.
- The Board also suggested reviewing the nomenclature of certain courses. It was suggested that "Highway Engineering Lab" may be renamed as "Highway Materials Laboratory" and "Surveying Lab" as "Surveying Practice" to better reflect the intended learning outcomes and course activities.
- Further, the Board observed that the term "Capstone Project" differs from a conventional major project and may not be suitable for all students. Hence, the Board suggested reviewing and revising the nomenclature of the course appropriately.

2. Curriculum breakup and credit distribution

- The Board reviewed the curriculum structure and credit distribution with reference to AICTE guidelines. Members observed strong deviations in the distribution of credits among Humanities and Social Sciences courses and Professional Elective courses.
- The Board suggested increasing the credits allocated to Professional Elective courses while rationalizing the credits assigned to Humanities and Social Sciences courses, ensuring alignment with AICTE norms while allowing reasonable flexibility and institutional innovation.

3. Integration of Theory and Laboratory Components with in the same semester

- The Board discussed the sequencing of theory and laboratory courses and suggested that theoretical concepts related to Non-Destructive Testing (NDT), Structural Health Monitoring, and similar specialized areas be taught before conducting the corresponding laboratory sessions.

- Inclusion of selected lecture hours within IoT-related laboratory courses was suggested without altering the overall credit structure to strengthen conceptual understanding.

4. Professional Electives (PEs)

- Students should be given adequate flexibility in choosing Professional Elective courses based on their interests and career aspirations.
- The department was advised to periodically review elective offerings to ensure industry relevance and student choices.

5. Bridging the gap between the courses for Lateral entry students and regular entry students

- The Board discussed the academic preparedness of lateral entry students and sought clarification regarding bridging the gap between diploma-entry students and regular-entry students, particularly in subjects such as Differential Equations and other foundational courses that may not be part of diploma curricula.
- Members suggested identifying such gaps and designing suitable bridge courses or equivalent mechanisms (such as taking special classes) aligned with the R25 curriculum framework.

6. Inclusion of Life Skills and Student Development Activities in credit-based curriculum

- The Board emphasized the importance of holistic student development and suggested encouraging participation in technical clubs, cultural clubs, co-curricular activities, and extracurricular activities.
- Members suggested exploring the possibility of introducing Life Skills as a credit-bearing course (at least one credit) and incorporating structured mechanisms for recognizing student participation in developmental activities through credits or suitable assessment frameworks.
- The Board noted that such initiatives would align the curriculum with international practices and contribute significantly to the overall development of students.

B. Syllabus Design and Content

- The Board reviewed the syllabus structure and advised maintaining a strong focus on fundamental concepts while incorporating contemporary developments and emerging

technologies. Members emphasized that course content should not deviate significantly from core disciplinary foundations.

- The Board noted that the CO–PO mapping matrix is not included within the syllabus document and however, it may be maintained separately as per university requirements.
- It was suggested that greater emphasis should be given to prescribed textbooks rather than an extensive list of reference books incorporating recent editions and contemporary learning resources.
- The format of textbooks and references should be standardized, with book titles appearing before author names and complete bibliographic details being provided.

Overall Recommendation

The Board of Studies appreciated the efforts of the department in designing a curriculum that incorporates contemporary developments while maintaining the core fundamentals of Civil Engineering. It is observed that the curriculum is comprehensive and industry-relevant; however, certain refinements are required in the areas of programme and course nomenclature, credit distribution, integration of theory and laboratory components, and flexibility in professional electives.

The Board emphasized the need to align the curriculum more closely with AICTE/UGC guidelines and best practices adopted by leading national and international institutions. Members also highlighted the importance of bridging academic gaps for lateral entry students and promoting holistic student development through life skills, co-curricular, and extracurricular activities.

Overall, the Board expressed its satisfaction with the curriculum framework and supported its implementation for the R25 regulations.

Signature of Attended Member

S.no	Members	Composition as per University Guidelines, Designation and Address	Signature
1	Dr. Vijayakumar Natesan	Chairman of BOS, Asst. Professor and HoD, CED, MITS	
2	Mr. K Venkataraman	Industry Expert, Head - Technical Services, UltraTech Cement Limited Chennai, Tamil Nadu	Online
3	Dr. Palanisamy T	Academic Expert, Associate Professor, NITK Surathkal	Online
4	Mr. K Sai Krishna	Alumni Member, Deputy Manager Cholamandalam MS Risk Services Ltd., Chennai	Online
5	Mr. P Tharun	Student Representative, CED MITS	
6	Dr. Rama S Komaragiri	Invitee - Professor & Dean-Academics, MITS	
7	Dr. Dipankar Roy	Invitee member – Professor and Dean (SOE), CED MITS	
8	Mr. Sanath Hegde	Invitee - Chief Technology Officer, MITS	
9	Dr. Sudheer Kumar Y	Invitee member – Asso. Prof., CED MITS	
10	Dr. T. Venkatesh Varma	Invitee member – Asst. Prof., CED MITS	
11	Dr. Nunna Tagore Sai Priya	Invitee member – Asst. Prof., CED MITS	
12	Dr. Imran Kuttagola	Invitee member – Asst. Prof., CED MITS	
13	Mrs. Kandukuri Anitha	Invitee member – Asst. Prof., CED MITS	
14	Mr. B. Veeresh	Invitee member – Asst. Prof., CED MITS	
15	Mr. P. Sabarishkumar	Invitee member – Asst. Prof., CED MITS	

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Department of Civil Engineering

Date: 18-06-2026

Time: 11.00 AM to 11.50 AM

Minutes of 2nd BOS Meeting

The Board of Studies (BoS) of the Department of Civil Engineering convened its second meeting on 18 June 2026 through an online platform. The session focused on the academic framework of the newly proposed M.Tech program in Construction Engineering and Management (CEM). Members of the Board, including external subject experts and faculty representatives, critically examined the program structure, course content, and curriculum design. The deliberations were aimed at ensuring compliance with academic standards, incorporation of industry-oriented competencies, and enhancement of the overall quality of the program through expert recommendations.

Agenda of the Meeting:

1. Review of the Vision and Mission of the Department.
2. Review of Program Educational Objectives (PEOs) and Program Specific Outcomes (PSOs) for the PG programme.
3. Review of the course structure for M.Tech (Construction Engineering and Management).
4. Review of the I Year syllabus of M.Tech (Construction Engineering and Management).
5. Any other matter with the permission of the Chair.

Meeting Link:
https://teams.microsoft.com/meet/47022661070271?p=av5Y4URVptsfwt5E1E

Members Present

S.no	Members	Composition as per University Guidelines	Designation and Address
1	Dr. Vijayakumar Natesan	Chairman of BOS	Asst. Professor and HoD, CED, MITS
2	Mr. K Venkataraman	Industry Expert	Head - Technical Services, UltraTech Cement Limited
3	Dr. Palanisamy T	Academic Expert	Associate Professor, NITK Surathkal
4	Mr. K Sai Krishna	Alumni Member	Deputy Manager Cholamandalam MS Risk Services Ltd.,
5	Mr. P Tharun	Student Representative	CED, MITS
6	Dr. Rama S Komaragiri	Invitee - Professor & Dean-Academics	ECED, MITS
7	Dr. Dipankar Roy	Invitee member - Professor and Dean (SOE)	CED, MITS
8	Mr. Sanath Hegde	Invitee - Chief Technology Officer	MITS
9	Dr. Sudheer Kumar Y	Invitee member - Associate Professor	CED, MITS
10	Dr. T. Venkatesh Varma	Invitee member - Assistant Professor	CED, MITS
11	Dr. Nunna Tagore Sai Priya	Invitee member - Assistant Professor	CED, MITS
12	Dr. Imran Kuttagola	Invitee member - Assistant Professor	CED, MITS
13	Mrs. Kandukuri Anitha	Invitee member - Assistant Professor	CED, MITS
14	Mr. B. Veeresh	Invitee member - Assistant Professor	CED, MITS
15	Mr. P. Sabarishkumar	Invitee member - Assistant Professor	CED, MITS

After detailed discussions and deliberations, the Board members offered the following recommendations:

1. It was suggested to adopt a standard and universally accepted semester nomenclature, such as *First Semester, Second Semester, Third Semester,* etc., instead of using formats such as *I-I, I-II,* and so on.
2. The members observed that Discipline Electives were categorised as Discipline Elective-I, Discipline Elective-II, etc. It was recommended to consolidate all elective courses into a common elective basket rather than restricting students to a limited set of courses within individual elective groups. This approach would provide students with greater flexibility and a wider choice of electives.
3. The Board recommended introducing a course related to Architecture to broaden interdisciplinary exposure. Such a course may be offered as an elective in the third semester.
4. Since the M.Tech programme in Construction Engineering and Management is being introduced for the first time, it was suggested to refer to AICTE guidelines and model curricula while finalising the program structure. The total credit requirements and curriculum framework should be aligned with the applicable AICTE norms.
5. The members recommended incorporating advanced elective courses in the higher semesters, such as Operations Research, Risk Engineering, Urban Planning, and Real Estate Valuation, to enhance the uniqueness and industry relevance of the programme.
6. It was suggested to introduce a dedicated course on Green Buildings and Sustainable Construction Practices to address emerging industry requirements and sustainability concerns in the construction sector.
7. The Board recommended increasing the number of prescribed textbooks and limiting the number of reference books in the course syllabi to facilitate effective teaching and learning.

The members appreciated the efforts of the Department in designing the curriculum and emphasised the need to continuously update the program to meet evolving academic and industry requirements. The meeting concluded with a vote of thanks to the Chair and all members for their valuable contributions.

Signature of Attended Member

S.no	Members	Composition as per University Guidelines, Designation and Address	Signature
1	Dr. Vijayakumar Natesan	Chairman of BOS, Asst. Professor and HoD, CED, MITS	
2	Mr. K Venkataraman	Industry Expert, Head - Technical Services, UltraTech Cement Limited Chennai, Tamil Nadu	Online
3	Dr. Palanisamy T	Academic Expert, Associate Professor, NITK Surathkal	Online
4	Mr. K Sai Krishna	Alumni Member, Deputy Manager Cholamandalam MS Risk Services Ltd., Chennai	Online
5	Mr. P Tharun	Student Representative, CED MITS	
6	Dr. Rama S Komaragiri	Invitee - Professor & Dean-Academics, MITS	
7	Dr. Dipankar Roy	Invitee member – Professor and Dean (SOE), CED MITS	
8	Mr. Sanath Hegde	Invitee - Chief Technology Officer, MITS	
9	Dr. Sudheer Kumar Y	Invitee member – Asso. Prof., CED MITS	
10	Dr. T. Venkatesh Varma	Invitee member – Asst. Prof., CED MITS	
11	Dr. Nunna Tagore Sai Priya	Invitee member – Asst. Prof., CED MITS	
12	Dr. Imran Kuttagola	Invitee member – Asst. Prof., CED MITS	
13	Mrs. Kandukuri Anitha	Invitee member – Asst. Prof., CED MITS	
14	Mr. B. Veeresh	Invitee member – Asst. Prof., CED MITS	
15	Mr. P. Sabarishkumar	Invitee member – Asst. Prof., CED MITS	

Outlook

Re: Updated Syllabus and Minutes of 2nd BOS Meeting on 18-06-2026

From K Venkataraman <kamakshi.v@adityabirla.com>
Date Mon 6/22/2026 9:42 AM
To HoD-Civil Engineering <civilhod@mits.ac.in>
Cc Imran Kuttagola <imrankuttagola@mits.ac.in>; Dr saipriya n <drsaipriyan@mits.ac.in>

Dear Sir,
I have reviewed the Minutes of the Meeting (MoM) of the BOS meeting and carefully gone through the updated syllabus. I am pleased to approve both the BoS Minutes and the revised syllabus for the B.Tech and M.Tech programmes.

I wish you and your team all the best in educating and inspiring future engineers.

Regards
Venkataraman

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From: HoD-Civil Engineering <civilhod@mits.ac.in>
Sent: Saturday, 20 June 2026 18:42:18
To: K Venkataraman <kamakshi.v@adityabirla.com>
Cc: Imran Kuttagola <imrankuttagola@mits.ac.in>; Dr saipriya n <drsaipriyan@mits.ac.in>
Subject: Updated Syllabus and Minutes of 2nd BOS Meeting on 18-06-2026

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Respected Sir,

Greetings from MITS Deemed to be University.

Please find attached the Minutes of the Meeting (MoM) of the BOS and the updated syllabus for both B.Tech Civil Engineering and M.Tech Construction Engineering and Management programmes. The syllabus has been revised by

incorporating the valuable suggestions and recommendations provided by the expert members during the BOS meeting held on 18-06-2026.

You are kindly requested to review and verify the enclosed Minutes of the Meeting (MoM) and the revised syllabus for both the B.Tech Civil Engineering (II Year) and M.Tech Construction Engineering and Management (I year) programmes, and convey your approval via email at your earliest convenience.

Your valuable support and guidance are highly appreciated and will help us proceed with the subsequent academic approval process.

Thank you for your continued cooperation.

Thanks and Regards
Dr Vijayakumar Natesan,
Assistant Professor and Head of Civil Engineering,
MITS Deemed to be University, Madanapalle, Annamayya District, Andhra Pradesh,
Mobile No: 91- 6381130988 (Personal)
Mobile No: 91-9100973371 (Office)
Email: civilhod@mits.ac.in

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Outlook

Re: Updated Syllabus and Minutes of 2nd BOS Meeting on 18-06-2026

From Sai Krishna Kandala <krish143dark@gmail.com>
Date Mon 6/22/2026 9:54 AM
To HoD-Civil Engineering <civilhod@mits.ac.in>
Cc Imran Kuttagola <imrankuttagola@mits.ac.in>; Dr saipriya n <drsaipriyan@mits.ac.in>

Dear Team,

I have gone through the BOS Minutes and the revised syllabus and hereby approve both UG and PG programmes. I wish you and your team all the very best in your efforts to educate and inspire the future engineers.

Regards
K Sai Krishna

On Sat, Jun 20, 2026, 6:46 PM HoD-Civil Engineering <civilhod@mits.ac.in> wrote:

> Dear Alumni,
>
> Greetings from MITS Deemed to be University.
>
> Please find attached the Minutes of the Meeting (MoM) of the BOS and the updated syllabus for both B.Tech Civil Engineering and M.Tech Construction Engineering and Management programmes. The syllabus has been revised by incorporating the valuable suggestions and recommendations provided by the expert members during the BOS meeting held on 18-06-2026.
>
> You are kindly requested to review and verify the enclosed Minutes of the Meeting (MoM) and the revised syllabus for both the B.Tech Civil Engineering (II Year) and M.Tech Construction Engineering and Management (I year) programmes, and convey your approval via email at your earliest convenience.

Your valuable support and guidance are highly appreciated and will help us proceed with the subsequent academic approval process.

Thank you for your continued cooperation.

Thanks and Regards
Dr Vijayakumar Natesan,
Assistant Professor and Head of Civil Engineering,
MITS Deemed to be University, Madanapalle, Annamayya District, Andhra Pradesh,
Mobile No: 91- 6381130988 (Personal)
Mobile No: 91-9100973371 (Office)
Email: civilhod@mits.ac.in

Outlook

Re: Updated Syllabus and Minutes of 2nd BOS Meeting on 18-06-2026

From Dr. T Palani samy <tpalanisamycivil@nitk.edu.in>
Date Mon 6/22/2026 9:47 AM
To HoD-Civil Engineering <civilhod@mits.ac.in>
Cc Imran Kuttagola <imrankuttagola@mits.ac.in>; Dr saipriya n <drsaipriyan@mits.ac.in>

Dear Sir/Madam,

****

Thank you for sharing the Minutes of the Meeting (MoM) of the Board of Studies and the revised syllabus for the B.Tech Civil Engineering and M.Tech Construction Engineering and Management programmes. I have reviewed the Minutes of the Meeting and the revised syllabus incorporating the recommendations made during the BOS meeting held on 18.06.2026. I am pleased to convey my approval of the Minutes of the Meeting and the revised curriculum.

I appreciate the efforts taken by the department in updating the syllabus and aligning it with current academic and industry requirements.

Thank you for providing me the opportunity to contribute to the curriculum development process. I wish the department continued success in its academic endeavors.

With best regards,

On Sat, Jun 20, 2026 at 6:40 PM HoD-Civil Engineering <civilhod@mits.ac.in> wrote:

> Respected Professor,
>
> Greetings from MITS Deemed to be University.

Please find attached the Minutes of the Meeting (MoM) of the BOS and the updated syllabus for both B.Tech Civil Engineering and M.Tech Construction Engineering and Management programmes. The syllabus has been revised by incorporating the valuable suggestions and recommendations provided by the expert members during the BOS meeting held on 18-06-2026.

You are kindly requested to review and verify the enclosed Minutes of the Meeting (MoM) and the revised syllabus for both the B.Tech Civil Engineering (II Year) and M.Tech Construction Engineering and Management (I year) programmes, and convey your approval via email at your earliest convenience.

Your valuable support and guidance are highly appreciated and will help us proceed with the subsequent academic approval process.

Thank you for your continued cooperation.

Thanks and Regards
Dr Vijayakumar Natesan,
Assistant Professor and Head of Civil Engineering,
MITS Deemed to be University, Madanapalle, Annamayya District, Andhra Pradesh,
Mobile No: 91- 6381130988 (Personal)
Mobile No: 91-9100973371 (Office)
Email: civilhod@mits.ac.in

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With Regards,
Dr. T. PALANISAMY, BE (Civil)., ME(Struct.)., Ph.D. (Struct.)., MISTE., MICI.,
Associate Professor,
Department of Civil Engineering,
National Institute of Technology Karnataka (NITK), Surathkal