

# Rama University Uttar Pradesh, Kanpur



Faculty of Engineering & Technology

Department of Civil Engineering

Ref: RU/FET/CED/BOS/2025

Dated: 12/06/2025

## Minutes of Meeting

### Boards of Studies

A meeting of Boards of Studies of Civil Engineering, FET was held on 11/06/2025 (Wednesday) at 2:30 P.M. in conference room of FET. The following members were present:

- |                         |   |                 |
|-------------------------|---|-----------------|
| 1. Mr. Satish Parihar   | - | Chairperson     |
| 2. Dr. Deeksha Ranjan   | - | Member          |
| 3. Dr. Raghvendra Singh | - | Member          |
| 4. Prof. Pradeep Kumar  | - | External Member |

#### Agenda:

**1. Action Taken Report (ATR) on Minutes of Previous Meeting.**

The BOS committee reviewed and confirmed the minutes of the BOS meeting held on 10/06/2024.

**2. To consider and approve new Evaluation Scheme and Syllabus.**

| S. No. | Item No.                                                                                                                                                                                                        | Existing                                                                      | Recommendation /Action Taken                                                                                                                                                                                                                                                                     |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | To consider and approve the proposed changes in CBCS based curriculum along with its Evaluation Scheme and Syllabus for M.Tech. (Full Time & Part Time) students to be admitted in the Academic Session 2025-26 | The existing Evaluation Scheme and Syllabus for M.Tech. students was reviewed | The BOS considered and suggested "NO Change" in the Evaluation Scheme and Syllabus and thereafter discussion, recommended the same for final approval. The Evaluation Scheme and Syllabus approved for the academic session 2020-21 will remain effective till further changes are incorporated. |

**3. To review the existing syllabus M.Tech. (Full Time & Part Time) along with their Evaluation Scheme and Syllabus for next academic session 2026-27**

The board approved the review committee for considering the proposed change, if any, in CBCS based M.Tech. (Full Time & Part Time) along with its Evaluation Scheme and Syllabus

A committee under the chairmanship of Mr. Satish Parihar, who has been authorized to select two more Internal members, was constituted in this connection and asked to submit its report by 1<sup>st</sup> week of February'2026

The meeting concluded with a vote of thanks to the chair. Date of the Next Meeting: to be decided and intimated thereafter

(Chairman)

CC: 1. Dean, FET

2. Registrar Office



# COURSE STRUCTURE

M. TECH.(PART TIME)

CIVIL ENGINEERING

(CONSTRUCTION TECHNOLOGY & MANAGEMENT)

Under

Choice Based Credit System (CBCS)

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### SEMESTER-I (FIRST YEAR)

| S. NO.                | Course Type  | Course Code | Course Name                                         | Teaching Scheme |   |   | Evaluation Scheme |     |     | Total Marks | Credits |
|-----------------------|--------------|-------------|-----------------------------------------------------|-----------------|---|---|-------------------|-----|-----|-------------|---------|
|                       |              |             |                                                     | L               | T | P | CA                | MTE | ETE |             |         |
| 1                     | Program Core | CMCE-101    | Design of Earthquake Resistant Structures           | 3               | 1 | 0 | 30                | 20  | 100 | 150         | 4       |
| 2                     | Program Core | CMCE-105    | Advanced Construction Materials and Green Buildings | 3               | 1 | 0 | 30                | 20  | 100 | 150         | 4       |
| LABORATORIES/ PROJECT |              |             |                                                     |                 |   |   |                   |     |     |             |         |
| 3                     | Program Core | CMCE-151    | Advanced Concrete Lab                               | 0               | 0 | 4 | 20                | 0   | 30  | 50          | 2       |
| TOTAL                 |              |             |                                                     | 6               | 2 | 4 | 80                | 40  | 230 | 350         | 10      |

### SEMESTER-II (FIRST YEAR)

| S. NO.                | Course Type  | Course Code | Course Name                                           | Teaching Scheme |   |   | Evaluation Scheme |     |     | Total Marks | Credits |
|-----------------------|--------------|-------------|-------------------------------------------------------|-----------------|---|---|-------------------|-----|-----|-------------|---------|
|                       |              |             |                                                       | L               | T | P | CA                | MTE | ETE |             |         |
| 1                     | Program Core | CMCE-104    | Design of Precast & Composite Structures              | 3               | 1 | 0 | 30                | 20  | 100 | 150         | 4       |
| 2                     | Program Core | CMCE-106    | Construction Contracts, Specifications and Estimation | 3               | 1 | 0 | 30                | 20  | 100 | 150         | 4       |
| LABORATORIES/ PROJECT |              |             |                                                       |                 |   |   |                   |     |     |             |         |
| 3                     | Program Core | CMCE-152    | Advanced Materials Lab                                | 0               | 0 | 4 | 20                | 0   | 30  | 50          | 2       |
| TOTAL                 |              |             |                                                       | 6               | 2 | 4 | 80                | 40  | 230 | 350         | 10      |

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### SEMESTER-III (SECOND YEAR)

| S. NO.                | Course Type  | Course Code | Course Name                                   | Teaching Scheme |   |   | Evaluation Scheme |     |     | Total Marks | Credits |
|-----------------------|--------------|-------------|-----------------------------------------------|-----------------|---|---|-------------------|-----|-----|-------------|---------|
|                       |              |             |                                               | L               | T | P | CA                | MTE | ETE |             |         |
| 1                     | Program Core | CMCE-111    | Retrofitting And Rehabilitation Of Structures | 3               | 1 | 0 | 30                | 20  | 100 | 150         | 4       |
| 2                     | Program Core | CMCE-112    | Advance Concrete Technologies                 | 3               | 1 | 0 | 30                | 20  | 100 | 150         | 4       |
| LABORATORIES/ PROJECT |              |             |                                               |                 |   |   |                   |     |     |             |         |
| 3                     | Program Core | CMCE-153    | Computational lab                             | 0               | 0 | 4 | 20                | 0   | 30  | 50          | 2       |
| TOTAL                 |              |             |                                               | 6               | 2 | 4 | 80                | 40  | 230 | 350         | 10      |

### SEMESTER-IV (SECOND YEAR)

| S. NO.                | Course Type  | Course Code | Course Name                      | Teaching Scheme |   |   | Evaluation Scheme |     |     | Total Marks | Credits |
|-----------------------|--------------|-------------|----------------------------------|-----------------|---|---|-------------------|-----|-----|-------------|---------|
|                       |              |             |                                  | L               | T | P | CA                | MTE | ETE |             |         |
| 1                     | Program Core | CMCE-114    | Mechanization in Construction    | 3               | 1 | 0 | 30                | 20  | 100 | 150         | 4       |
| 4                     | Program Core | CMCE-115    | Advanced Construction Techniques | 3               | 1 | 0 | 30                | 20  | 100 | 150         | 4       |
| LABORATORIES/ PROJECT |              |             |                                  |                 |   |   |                   |     |     |             |         |
| 9                     | Program Core | CMCE-154    | Structural Engineering Lab       | 0               | 0 | 4 | 10                | 10  | 30  | 50          | 2       |
| TOTAL                 |              |             |                                  | 6               | 2 | 4 | 80                | 40  | 230 | 350         | 10      |

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*(Signatures)*



### SEMESTER-V (THIRD YEAR)

| S. NO.                | Course Type      | Course Code           | Course Name         | Teaching Scheme |          |           | Evaluation Scheme |           |            | Total Marks | Credits   |
|-----------------------|------------------|-----------------------|---------------------|-----------------|----------|-----------|-------------------|-----------|------------|-------------|-----------|
|                       |                  |                       |                     | L               | T        | P         | CA                | MTE       | ETE        |             |           |
| 1                     | Program Elective | CMCE-205-<br>CMCE-208 | Program Elective-II | 3               | 1        | 0         | 30                | 20        | 100        | 150         | 4         |
| 2                     | Program Elective | CMCE-213-<br>CMCE-216 | Program Elective-IV | 3               | 1        | 0         | 30                | 20        | 100        | 150         | 4         |
| LABORATORIES/ PROJECT |                  |                       |                     |                 |          |           |                   |           |            |             |           |
| 3                     | Project          | CMCE-351              | Dissertation-I      | 0               | 0        | 16        | 200               | 0         | 300        | 500         | 12        |
|                       |                  |                       | <b>TOTAL</b>        | <b>6</b>        | <b>2</b> | <b>16</b> | <b>260</b>        | <b>40</b> | <b>500</b> | <b>800</b>  | <b>20</b> |

### SEMESTER-VI (THIRD YEAR)

| S. NO.                | Course Type | Course Code | Course Name     | Teaching Scheme |   |    | Evaluation Scheme |     |     | Total Marks | Credits |
|-----------------------|-------------|-------------|-----------------|-----------------|---|----|-------------------|-----|-----|-------------|---------|
|                       |             |             |                 | L               | T | P  | CA                | MTE | ETE |             |         |
| LABORATORIES/ PROJECT |             |             |                 |                 |   |    |                   |     |     |             |         |
| 1                     | Project     | CMCE-352    | Dissertation-II | 0               | 0 | 24 | 200               | 0   | 600 | 800         | 20      |
| TOTAL                 |             |             |                 | 0               | 0 | 24 | 200               | 0   | 600 | 800         | 20      |

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## PROGRAM ELECTIVE-II

| S. NO. | CODE     | SUBJECT                                     | TEACHING SCHEME |   |   |   | EVALUATION SCHEME |     |     |     | TOTAL MARKS | CREDITS | CONTACT HRS/WK | PRE- REQUISITES |
|--------|----------|---------------------------------------------|-----------------|---|---|---|-------------------|-----|-----|-----|-------------|---------|----------------|-----------------|
|        |          |                                             | L               | T | P | J | CA                | MTE | ETE |     |             |         |                |                 |
|        |          |                                             |                 |   |   |   |                   |     |     |     |             |         |                |                 |
| THEORY |          |                                             |                 |   |   |   |                   |     |     |     |             |         |                |                 |
| 1      | CMCE-205 | Design Of Pre-Stressed Concrete Structures  | 3               | 1 | 0 | 0 | 0                 | 30  | 20  | 100 | 150         | 4       | 3              |                 |
| 2      | CMCE-206 | Advanced Foundation Engineering             | 3               | 1 | 0 | 0 | 0                 | 30  | 20  | 100 | 150         | 4       | 3              |                 |
| 3      | CMCE-207 | Advanced Design of Steel Structures         | 3               | 1 | 0 | 0 | 0                 | 30  | 20  | 100 | 150         | 4       | 3              |                 |
| 4      | CMCE-208 | Advanced Mathematics and Numerical Analysis | 3               | 1 | 0 | 0 | 0                 | 30  | 20  | 100 | 150         | 4       | 3              |                 |

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## PROGRAM ELECTIVE-IV

| S. NO. | CODE     | SUBJECT                             | TEACHING SCHEME |   |   |   | EVALUATION SCHEME |     |     |     | TOTAL MARKS | CREDITS | CONTACT HRS/WK | PRE-REQUISITES |
|--------|----------|-------------------------------------|-----------------|---|---|---|-------------------|-----|-----|-----|-------------|---------|----------------|----------------|
|        |          |                                     | THEORY          |   |   |   |                   |     |     |     |             |         |                |                |
|        |          |                                     | L               | T | P | J | CA                | MTE | ETE |     |             |         |                |                |
| 1      | CMCE-213 | Construction Economics and Finance  | 3               | 1 | 0 | 0 | 30                | 20  | 100 | 150 | 4           | 3       |                |                |
| 2      | CMCE-214 | Construction Project and Management | 3               | 1 | 0 | 0 | 30                | 20  | 100 | 150 | 4           | 3       |                |                |
| 3      | CMCE-215 | Construction Quality and Safety     | 3               | 1 | 0 | 0 | 30                | 20  | 100 | 150 | 4           | 3       |                |                |
| 4      | CMCE-216 | Rural Construction Technology       | 3               | 1 | 0 | 0 | 30                | 20  | 100 | 150 | 4           | 3       |                |                |



