



**KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL**  
**MINOR IN CIVIL ENGINEERING (MCE) - MINOR CURRICULUM**  
**EQUIVALENT MOOCs - ODD SEMESTER, JULY-DEC 2020, AY 2020-21**

| S. No                    | Course Code | Course Name                                     | EQUIVALENT COURSES OFFERED BY                   |   |                    |                 |   |               |                        |    |               |
|--------------------------|-------------|---|---|---|--------------------|-----------------|---|---------------|------------------------|----|---------------|
|                          |             |   | SWAYAM-NPTEL                                    |   |                    | COURSERA/ UDEMY |   |               | SPOKEN TUTORIAL - IITB |    |               |
| MINOR COMPULSORY COURSES |             |   | Course Name                                     | C | Course Dates*      | Course Name     | C | Course Dates* | Course Name            | C  | Course Dates* |
| 1                        | U18MCE1001  | <b>Strength of Materials</b>                    | <b>Strength of Materials</b>                    | 3 | CCD:<br>14.09.2020 | --              | - | CCD:          | --                     | -- | CCD:          |
|                          |             |   |   |   | LDR:<br>21.09.2020 |                 |   | LDR:          |                        |    | LDR:          |
| 2                        | U18MCE1002  | <b>Soil Mechanics</b>                           | <b>Soil Mechanics</b>                           | 3 | CCD:<br>14.09.2020 | --              | - | CCD:          | --                     | -  | CCD:          |
|                          |             |   |   |   | LDR:<br>21.09.2020 |                 |   | LDR:          |                        |    | LDR:          |
| 3                        | U18MCE1003  | <b>Environmental Engineering</b>                | --  | - | --                 | --              | - | CCD:          | --                     | -  | CCD:          |
|                          |             |   |   |   |                    |                 |   | LDR:          |                        |    | LDR:          |
| MINOR ELECTIVE COURSES   |             |   |   |   |                    |                 |   |               |                        |    |               |
| 4                        | U18MCE1004  | <b>Structural Analysis-1</b>                    | <b>Structural Analysis-1</b>                    | 3 | CCD:<br>14.09.2020 | --              | - | CCD:          | --                     | -  | CCD:          |
|                          |             |   |   |   | LDR:<br>21.09.2020 |                 |   | LDR:          |                        |    | LDR:          |
| 5                        | U18MCE1005  | <b>Design of Reinforced Concrete Structures</b> | <b>Design of Reinforced Concrete Structures</b> | 3 | CCD:<br>14.09.2020 | --              | - | CCD:          | --                     | -  | CCD:          |
|                          |             |   |   |   | LDR:<br>21.09.2020 |                 |   | LDR:          |                        |    | LDR:          |
| 6                        | U18MCE1006  | <b>Advanced Concrete Technology</b>             | <b>Advanced Concrete Technolog</b>              | 3 | CCD:<br>14.09.2020 | --              | - | CCD:          | --                     | -  | CCD:          |
|                          |             |   |   |   | LDR:               |                 |   | LDR:          |                        |    | LDR:          |

|    |            |   |                              |   |                    |    |   |      |    |   |      |
|----|------------|---|------------------------------|---|--------------------|----|---|------|----|---|------|
|    |            |   | y                            |   | 21.09.2020         |    |   |      |    |   |      |
| 7  | U18MCE1007 | Foundation Engineering                    | Foundation Engineering       | 3 | CCD:<br>14.09.2020 | -- | - | CCD: | -- | - | CCD: |
|    |            |   |                              |   | LDR:<br>21.09.2020 |    |   | LDR: |    |   | LDR: |
| 8  | U18MCE1008 | Design of Steel Structures                | Design of Steel Structures   | 3 | CCD:<br>14.09.2020 | -- | - | CCD: | -- | - | CCD: |
|    |            |   |                              |   | LDR:<br>21.09.2020 |    |   | LDR: |    |   | LDR: |
| 9  | U18MCE1009 | Fluid Mechanics                           | Fluid Mechanics              | 2 | CCD:<br>14.09.2020 | -  | - | CCD: | -- | - | CCD: |
|    |            |   |                              |   | LDR:<br>21.09.2020 |    |   | LDR: |    |   | LDR: |
| 10 | U18MCE1010 | Construction Planning and Management      | Project Planning and Control | 2 | CCD:<br>14.09.2020 | -- | - | CCD: | -- | - | CCD: |
|    |            |   |                              |   | LDR:<br>21.09.2020 |    |   | LDR: |    |   | LDR: |
| 11 | U18MCE1011 | Advanced Surveying                        | Remote Sensing and GIS       | 2 | CCD:<br>14.09.2020 | -- | - | CCD: | -- | - | CCD: |
|    |            |   |                              |   | LDR:<br>21.09.2020 |    |   | LDR: |    |   | LDR: |
| 12 | U18MCE1012 | Engineering Geology                       | --                           | - | --                 | -- | - | CCD: | -- | - | CCD: |
|    |            |   |                              |   | --                 |    |   | LDR: |    |   | LDR: |
| 13 | U18MCE1013 | Sustainable Materials and Green Buildings | --                           | - | --                 | -- | - | CCD: | -- | - | CCD: |
|    |            |   |                              |   | --                 |    |   | LDR: |    |   | LDR: |
| 14 | U18MCE1014 | Construction Materials                    | --                           | - | --                 | -- | - | CCD: | -- | - | CCD: |
|    |            |   |                              |   | --                 |    |   | LDR: |    |   | LDR: |
| 15 | U18MCE1015 | Surveying                                 | --                           | - | --                 | -- | - | CCD: | -- | - | CCD: |
|    |            |   |                              |   | --                 |    |   | LDR: |    |   | LDR: |

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|----|------------|--|----|---|----|----|---|------|----|---|------|
| 16 | U18MCE1016 | <b>Fluid Mechanics and Hydraulic Machines</b>  | -- | - | -- | -- | - | CCD: | -- | - | CCD: |
|    |            |  |    |   |    |    |   | LDR: |    |   | LDR: |
| 17 | U18MCE1017 | <b>Earthquake Engineering</b>                  | -- | - | -- | -- | - | CCD: | -- | - | CCD: |
|    |            |  |    |   |    |    |   | LDR: |    |   | LDR: |
| 18 | U18MCE1018 | <b>Repair and Rehabilitation of Structures</b> | -- | - | -- | -- | - | CCD: | -- | - | CCD: |
|    |            |  |    |   |    |    |   | LDR: |    |   | LDR: |

- I. In exigency situations such as the student already completed the listed compulsory courses(s) on his/her own interest during previous semesters through valid MOOCs etc, the HoD in consultation with Dean-AA shall propose an alternative course(s) for the specific scenario, after verification of relevant documents.
- II. By the end of April of every academic year, the department in consultation with Dean-AA, shall
- A. notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the list of courses notified under Honours curriculum
- B. propose a new course(s) in the place of any listed course(s) in the Honours curriculum, in case no equivalent course is found in MOOCs

\*C: Credits ; CCD: Course Commencement Date; LDR: Last Date of Registration

|    |                                 | <b>Laboratory Courses ( any 2 courses ) - TO BE TAKEN IN THE MINOR DEPARTMENT</b> |   |                                   |
|----|---------------------------------|---|---|-----------------------------------|
| -  | <b>Minor Laboratory Courses</b> | U18MCE1019  | Civil Engineering Material Testing Laboratory |                                   |
| 19 |                                 | U18MCE1020  | Surveying Field Work Laboratory               |                                   |
| 20 |                                 | U18MCE1021  | Building Planning and Drawing Laboratory      |                                   |
| 21 |                                 | U18MCE1022  | Hydraulic & Hydraulic Machinery Laboratory    |                                   |
| 22 |                                 |   |   | <b>Total Credits to be earned</b> |

Sd/-

Date: 18.07.2020

MOOCs Coordinator

Head of the Department

Dean, Academic Affairs