



MINOR IN ELECTRICAL ENGINEERING (MEE) - MINOR CURRICULUM-1

[for branches: CE, ME, CSE, IT, CSN]

EQUIVALENT MOOCs - ODD SEMESTER, JULY-DEC 2022, AY 2022-23

| 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 | U18MEE1001 | Electric Circuits | Basic Electrical Circuits | 3 | CCD: 25.07.2022 | -- | - | CCD: | -- | - | CCD: |
| | | | | | LDR: 01.08.2022 | | | LDR: | | | LDR: |
| 2 | U18MEE1002 | Electrical Machines-I | Electrical Machines - I | 3 | CCD: 25.07.2022 | -- | - | CCD: | -- | - | CCD: |
| | | | | | LDR: 01.08.2022 | | | LDR: | | | LDR: |
| 3 | U18MEE1003 | Electrical Measurements | -- | - | CCD: | -- | - | CCD: | -- | - | CCD: |
| | | | | | LDR: | | | LDR: | | | LDR: |
| MINOR ELECTIVE COURSES | | | | | | | | | | | |
| 4 | U18MEE1004 | Electrical Power Systems | -- | - | CCD: | -- | - | CCD: | -- | - | CCD: |
| | | | | | LDR: | | | LDR: | | | LDR: |
| 5 | U18MEE1005 | Renewable Energy Systems | -- | - | CCD: | -- | - | CCD: | -- | - | CCD: |
| | | | | | LDR: | | | LDR: | | | LDR: |
| 6 | U18MEE1006 | Power System Analysis | Power System Analysis | 3 | CCD: 25.07.2022 | -- | - | CCD: | -- | - | CCD: |
| | | | | | LDR: 01.08.2022 | | | LDR: | | | LDR: |
| 7 | U18MEE1007 | Power Systems Protection | Power System Protection | 3 | CCD: 25.07.2022 | -- | - | CCD: | -- | - | CCD: |
| | | | | | LDR: 01.08.2022 | | | LDR: | | | LDR: |
| 8 | U18MEE1008 | Power Electronics | -- | - | CCD: | -- | - | CCD: | -- | - | CCD: |
| | | | | | LDR: | | | LDR: | | | LDR: |
| 9 | U18MEE1009 | Electric Vehicles | -- | - | CCD: | -- | - | CCD: | -- | - | CCD: |
| | | | | | LDR: | | | LDR: | | | LDR: |
| 10 | U18MEE1010 | Control Systems | Control Engineering | 3 | CCD: 25.07.2022 | -- | - | CCD: | -- | - | CCD: |

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| | | | | | LDR: 01.08.2022 | | | LDR: | | | LDR: |
| 11 | U18MEE1011 | Electronic Devices and Circuits | Semiconductor Devices and Circuits | 3 | CCD: 25.07.2022 | -- | - | CCD: | -- | - | CCD: |
| | | | | | LDR: 01.08.2022 | | | LDR: | | | LDR: |
| 12 | U18MEE1012 | Electromagnetic Fields | Applied Electromagnetics for Engineers | 3 | CCD: 25.07.2022 | -- | - | CCD: | -- | - | CCD: |
| | | | | | LDR: 01.08.2022 | | | LDR: | | | LDR: |
| 13 | U18MEE1013 | Utilization of Electrical Engineering | -- | - | CCD: | -- | - | CCD: | -- | - | CCD: |
| | | | | | LDR: | | | LDR: | | | LDR: |
| 14 | U18MEE1014 | Electrical Machines-II | -- | | CCD: | -- | | CCD: | -- | | CCD: |
| | | | | | LDR: | | | LDR: | | | LDR: |
| 15 | U18MEE1015 | Digital Electronics | Digital Circuits | 3 | CCD: 25.07.2022 | -- | | CCD: | -- | | CCD: |
| | | | | | LDR: 01.08.2022 | | | LDR: | | | LDR: |
| 16 | U18MEE1016 | Signals & Systems | -- | | CCD: | -- | | CCD: | -- | | CCD: |
| | | | | | LDR: | | | LDR: | | | LDR: |
| 17 | U18MEE1017 | Microprocessors | -- | | CCD: | -- | | CCD: | -- | | CCD: |
| | | | | | LDR: | | | LDR: | | | LDR: |
| 18 | U18MEE1018 | Digital Signal Processors | -- | | CCD: | -- | | CCD: | -- | | CCD: |
| | | | | | LDR: | | | 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

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| - | Minor Laboratory Courses | Laboratory Courses (any 2 courses) - TO BE TAKEN IN THE MINOR DEPARTMENT | | 2 credits |
| 19 | | U18MEE1014 | Electrical Circuits & Measurements Simulation Lab | |
| 20 | | U18MEE1015 | Electrical Machines Simulation Lab | |
| 21 | | U18MEE1016 | Power Systems Simulation Lab | |
| 22 | | U18MEE1017 | Power Electronics Simulation Lab | |
| | | | <i>Total Credits to be earned</i> | 18+2 |

Sd/-
Dr. A. Rajasekhar
MOOCs Coordinator
Date: 27.06.2022

Sd/-
Prof. C. Venkatesh
Head of the Department
Dean, Academic Affairs