**KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, WARANGAL**

# MINOR IN INFORMATION TECHNOLOGY (MIT) - MINOR CURRICULUM

***[for branches: CE, ME, EEE] [URR18-R22]***

**EQUIVALENT MOOCs – ODD SEMESTER, JULY- OCT 2026, AY 2026-27**

| S. No | Course Code | Course Name | EQUIVALENT COURSES OFFERED BY | | |
|---|---|---|---|---|---|
| **MINOR COMPULSORY COURSES** | | | **SWAYAM-NPTEL** | | |
| | | | *Course Name* | C | Course Dates* |
| 1 | U18MIT1001 | Computer architecture and organization | Computer architecture and organization<br>https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs166 | 3 | CCD: 20.07.2026<br>LDR: 27.07.2026 |
| 2 | U18MIT1002 | Operating Systems | Introduction to Operating Systems<br>https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs123 | 2 | CCD: 20.07.2026<br>LDR: 27.07.2026 |
| 3 | U18MIT1003 | Data Base Management System | Data Base Management System<br>https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs117 | 2 | CCD: 20.07.2026<br>LDR: 27.07.2026 |
| **MINOR ELECTIVE COURSES** | | | | | |
| 4 | U18MIT1004 | Software Engineering | Software Engineering<br>https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs151 | 3 | CCD: 20.07.2026<br>LDR: 27.07.2026 |
| 5 | U18MIT1005 | Internet of things | Introduction to Internet of things<br>https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs161 | 3 | CCD: 20.07.2026<br>LDR: 27.07.2026 |
| 6 | U18MIT1006 | Algorithms and Analysis | Design and Analysis of Algorithms<br>https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs110 | 2 | CCD: 20.07.2026<br>LDR: 27.07.2026 |
| 7 | U18MIT1007 | Object Oriented Analysis and Design | Not Available | -- | CCD:<br>LDR: |

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| 8 | U18MIT1008 | Cloud Computing | Cloud Computing<br>https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs150 | 3 | CCD: 20.07.2026<br>LDR: 27.07.2026 |
| 9 | U18MIT1009 | Data Science | Data Science For Engineers<br>https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs112 | 2 | CCD: 20.07.2026<br>LDR: 27.07.2026 |
| 10 | U18MIT1010 | Natural Language Processing | Natural Language Processing<br>https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs180 | 3 | CCD: 20.07.2026<br>LDR: 27.07.2026 |
| 11 | U18MIT1011 | Machine Learning | Introduction to Machine Learning<br>https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs133 | 3 | CCD: 20.07.2026<br>LDR: 27.07.2026 |
| 12 | U18MIT1012 | Data Mining | Not Available | -- | CCD:<br>LDR: |
| 13 | U18MIT1013 | Cryptography and Network Security | Not Available | -- | CCD:<br>LDR: |
| 14 | U18MIT1014 | Computer Networks and Internet Protocol | Not Available | -- | CCD:<br>LDR: |
| 15 | U18MIT1015 | Soft Computing | Not Available | -- | CCD:<br>LDR: |
| 16 | U18MIT1016 | Parallel Programming in OPenMP | Not Available | -- | CCD:<br>LDR: |
| 17 | U18MIT1017 | Python | The Joy of Computing Using Python<br>https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs136 | 3 | CCD: 20.07.2026<br>LDR: 27.07.2026 |
| 18 | U18MIT1018 | Privacy and Security in Online Social Media | Privacy and Security in Online Social Media<br>https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_cs141 | 3 | CCD: 20.07.2026<br>LDR: 27.07.2026 |

***C**: **C**redits ; **CCD**: **C**ourse **C**ommencement **D**ate; **LDR**: **L**ast **D**ate of **R**egistration

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| - | **Minor Laboratory** | **Laboratory Courses ( any 2 courses ) – TO BE TAKEN IN THE MINOR DEPARTMENT** | | |
| 19 | | U18MIT1019 | Operating Systems Lab | |

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| 20 | **Courses** | U18MIT1020 | Database Management Systems Lab | **2 credits** |
| 21 | | U18MIT1021 | Robotic Process Automation Lab | |
| 22 | | U18MIT1022 | Python Programming Lab | |
| 23 | **Minor Mini-project (Optional)** | U18MIT1023 | Mini-project (Optional) | **2 credits** |
| | | | ***Total Credits to be earned*** | **18+2** |

**Date: 29.07.2026**

**MOOCs Coordinator**
**S.B.Swathi**

**Dr.T.Senthil Murugan**
**Head of the Department**