

| SCHEME : ELECTRICAL ENGINEERING (I to VIII SEM) APPLICABLE FOR STUDENTS ADMITTED IN 2020-21 AND ONWARDS | | | | | | | | | | | | | | | | |
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| Year/Sem | Course Code | Subject Name | Type | CORE/ELECTIVE | Group | IC | DC | DE | Non-Graded | OC | Dep.Spec. | Minor.Spec. | Max Marks Internal | Max Marks External | Credit /Unit | Programme-Option |
| 1 Sem. | MTL100 | Engineering Mathematics-I | TH | CORE | 1 | Yes | No | No | No | No | | | 50 | 100 | 4 | A |
| 1 Sem. | CSL100 | Programming for Problem Solving | TH | CORE | 2 | Yes | No | No | No | No | | | 50 | 100 | 2 | A |
| 1 Sem. | CML101 | Engineering Chemistry | TH | CORE | 3 | Yes | No | No | No | No | | | 50 | 100 | 4 | A |
| 1 Sem. | MEL100 | Basic Mechanical Engineering | TH | CORE | 4 | Yes | No | No | No | No | | | 50 | 100 | 2 | A |
| 1 Sem. | HUN101 | Human Values & Professional Ethics | TH | CORE | 5 | No | No | No | Yes | No | | | 0 | 0 | 2 | A |
| 1 Sem. | CMP100 | Engineering Chemistry Lab | PR | CORE | 6 | Yes | No | No | No | No | | | 50 | 25 | 1 | A |
| 1 Sem. | MEP100 | Basic Mechanical Engineering Lab | PR | CORE | 7 | Yes | No | No | No | No | | | 50 | 25 | 1 | A |
| 1 Sem. | CEP102 | Computer Aided Engineering Graphics | PR | CORE | 8 | Yes | No | No | No | No | | | 50 | 25 | 1 | A |
| 1 Sem. | MEP101 | Product Realization through Manufacturing | PR | CORE | 9 | Yes | No | No | No | No | | | 50 | 25 | 1 | A |

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| 1 Sem. | HUN111 | Human Values Lab | PR | CORE | 10 | No | No | No | Yes | No | | | 0 | 0 | 1 | A |
| 1 Sem. | SAN101 | Induction Program | PR | CORE | 11 | No | No | No | Yes | No | | | 0 | 0 | 0.5 | A |
| 1 Sem. | CSP100 | Programing Lab | PR | CORE | 12 | Yes | No | No | No | No | | | 50 | 25 | 1 | A |
| 1 Sem. | SAA100 | SODECA (Anandam) | PR | CORE | 13 | No | No | No | No | No | | | 100 | 0 | 0.5 | A |
| | | | | | | | | | | | | | | | | |
| 2 Sem. | MTL101 | Engineering Mathematics-II | TH | CORE | 1 | Yes | No | No | No | No | | | 50 | 100 | 4 | A |
| 2 Sem. | CSL101 | Data Analysis & AI Using Python | TH | CORE | 2 | Yes | No | No | No | No | | | 50 | 100 | 2 | A |
| 2 Sem. | PYL100 | Engineering Physics | TH | CORE | 3 | Yes | No | No | No | No | | | 50 | 100 | 4 | A |
| 2 Sem. | CEL100 | Basic Civil Engineering | TH | CORE | 4 | Yes | No | No | No | No | | | 50 | 100 | 2 | A |
| 2 Sem. | HUN102 | Communication Skills | TH | CORE | 5 | No | No | No | Yes | No | | | 0 | 0 | 2 | A |

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| 2 Sem. | PYP100 | Engineering Physics Lab | PR | CORE | 6 | Yes | No | No | No | No | | | 50 | 25 | 1 | A |
| 2 Sem. | CEP100 | Basic Civil Engineering Lab | PR | CORE | 7 | Yes | No | No | No | No | | | 50 | 25 | 1 | A |
| 2 Sem. | MEP102 | Computer Aided Machine Drawing | PR | CORE | 8 | Yes | No | No | No | No | | | 50 | 25 | 1 | A |
| 2 Sem. | EEP200 | Skill Development Laboratory | PR | CORE | 9 | Yes | No | No | No | No | | | 50 | 25 | 1 | A |
| 2 Sem. | HUN112 | Language Lab | PR | CORE | 10 | No | No | No | Yes | No | | | 0 | 0 | 1 | A |
| 2 Sem. | TPN101 | Club activity | PR | CORE | 11 | No | No | No | Yes | No | | | 0 | 0 | 0.5 | A |
| 2 Sem. | CSP101 | Python Lab | PR | CORE | 12 | Yes | No | No | No | No | | | 50 | 25 | 1 | A |
| 2 Sem. | SAA100 | SODECA (Anandam) | PR | CORE | 13 | No | No | No | No | No | | | 100 | 0 | 0.5 | A |
| | | | | | | | | | | | | | | | | |
| 3 Sem. | CEL101 | Environmental Science | TH | CORE | 1 | Yes | No | No | No | No | | | 50 | 100 | 2 | A |

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| Year/Sem | Course Code | Subject Name | Type | CORE/ELECTIVE | Group | IC | DC | DE | Non-Graded | OC | Dep.Spec. | Minor.Spec. | Max Marks Internal | Max Marks External | Credit /Unit | Programme-Option |
| 3 Sem. | HUL201 | General Studies | TH | CORE | 2 | Yes | No | No | No | No | | | 50 | 100 | 2 | A |
| 3 Sem. | TPN102 | Soft Skill Development -1 | PR | CORE | 3 | No | No | No | Yes | No | | | 0 | 0 | 1 | A |
| 3 Sem. | SAA100 | SODECA (Anandam) | PR | CORE | 4 | No | No | No | No | No | | | 100 | 0 | 0.5 | A |
| 3 Sem. | EEL131 | Analog Electronics | TH | CORE | 5 | No | Yes | No | No | No | | | 50 | 100 | 3 | A |
| 3 Sem. | EEL132 | Circuit Analysis and Synthesis | TH | CORE | 6 | No | Yes | No | No | No | | | 50 | 100 | 3 | A |
| 3 Sem. | EEL133 | Electrical Measurements and Instrumentation | TH | CORE | 7 | No | Yes | No | No | No | | | 50 | 100 | 3 | A |
| 3 Sem. | EEL134 | Transformer and Asynchronous Machines | TH | CORE | 8 | No | Yes | No | No | No | | | 50 | 100 | 3 | A |
| 3 Sem. | EEL135 | Generation of Electrical Power | TH | CORE | 9 | No | Yes | No | No | No | | | 50 | 100 | 3 | A |
| 3 Sem. | EEL131 | Analog Electronics Lab | PR | CORE | 10 | No | Yes | No | No | No | | | 50 | 25 | 1 | A |

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| 3 Sem. | EET132 | Electrical Circuits & Programming Lab | PR | CORE | 11 | No | Yes | No | No | No | | | 50 | 25 | 1 | A |
| 3 Sem. | EET133 | Electrical Measurement and Instrumentation Lab | PR | CORE | 12 | No | Yes | No | No | No | | | 50 | 25 | 1 | A |
| 3 Sem. | EET134 | Transformer and Asynchronous Machines Lab | PR | CORE | 13 | No | Yes | No | No | No | | | 50 | 25 | 1 | A |
| | | | | | | | | | | | | | | | | |
| 4 Sem. | MTL209 | Advanced Mathematics (EE) | TH | CORE | 1 | Yes | No | No | No | No | | | 50 | 100 | 4 | A |
| 4 Sem. | HUL202 | Economics and Financial Management | TH | CORE | 2 | Yes | No | No | No | No | | | 50 | 100 | 3 | A |
| 4 Sem. | TPN103 | Soft Skill Development -2 | PR | CORE | 3 | No | No | No | Yes | No | | | 0 | 0 | 1 | A |
| 4 Sem. | SAA100 | SODECA (Anandam) | PR | CORE | 4 | No | No | No | No | No | | | 100 | 0 | 0.5 | A |
| 4 Sem. | EEL141 | Electrical Machines | TH | CORE | 5 | No | Yes | No | No | No | | | 50 | 100 | 4 | A |
| 4 Sem. | EEL142 | Digital Electronics | TH | CORE | 6 | No | Yes | No | No | No | | | 50 | 100 | 2 | A |

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| 4 Sem. | EEL143 | Transmission and Distribution of Electrical Power | TH | CORE | 7 | No | Yes | No | No | No | | | 50 | 100 | 3 | A |
| 4 Sem. | EEL141 | Electrical Machines Lab | PR | CORE | 8 | No | Yes | No | No | No | | | 50 | 25 | 1.5 | A |
| 4 Sem. | EEL142 | Digital Electronics Lab | PR | CORE | 9 | No | Yes | No | No | No | | | 50 | 25 | 1.5 | A |
| 4 Sem. | EEL143 | Power System Design Lab | PR | CORE | 10 | No | Yes | No | No | No | | | 50 | 25 | 1 | A |
| 4 Sem. | EEL104 | Electrical Machines and Drives | TH | ELECTIVE | 11 | No | No | No | No | Yes | | | 50 | 100 | 3 | A |
| 4 Sem. | EEL1M1 | Basic Electrical Circuits or its equivalent MOOC | TH | ELECTIVE | 12 | No | No | No | No | No | | Electrical Engineering | 50 | 100 | 4 | A |
| 4 Sem. | EEL1DS11 | Fundamentals of Electric Drives or its equivalent MOOC | TH | ELECTIVE | 13 | No | No | No | No | No | Electric Drives & Control | | 50 | 100 | 3 | A |
| 4 Sem. | EEL1M2 | Electrical Machines or its equivalent MOOC | TH | ELECTIVE | 13 | No | No | No | No | No | | Electrical Engineering | 50 | 100 | 4 | A |
| 4 Sem. | EEL1DS12 | Industrial Drives - Power Electronics or its equivalent MOOC | TH | ELECTIVE | 14 | No | No | No | No | No | Electric Drives & Control | | 50 | 100 | 3 | A |

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| 4 Sem. | EEL1SS11 | Linear Systems Theory or its equivalent MOOC | TH | ELECTIVE | 15 | No | No | No | No | No | Systems & Control | | 50 | 100 | 4 | A |
| 4 Sem. | EEL1SS12 | Control & Tuning Methods in Switched Mode Power Converters or its equivalent MOOC | TH | ELECTIVE | 16 | No | No | No | No | No | Systems & Control | | 50 | 100 | 4 | A |
| 4 Sem. | EEL1RS11 | Technologies for Clean Renewable Energy Production or its equivalent MOOC | TH | ELECTIVE | 17 | No | No | No | No | No | Renewable Energy Technologies | | 50 | 100 | 3 | A |
| 4 Sem. | EEL1RS12 | Natural Resources for Sustainable Development or its equivalent MOOC | TH | ELECTIVE | 18 | No | No | No | No | No | Renewable Energy Technologies | | 50 | 100 | 4 | A |
| 4 Sem. | EEL1RAS11 | Industrial Automation and Control or its equivalent MOOC | TH | ELECTIVE | 19 | No | No | No | No | No | Robotics & Automation | | 50 | 100 | 4 | A |
| 4 Sem. | EEL1RAS12 | Mechatronics or its equivalent MOOC | TH | ELECTIVE | 20 | No | No | No | No | No | Robotics & Automation | | 50 | 100 | 3 | A |
| | | | | | | | | | | | | | | | | |
| 5 Sem. | HUL203 | Indian Constitution | TH | CORE | 1 | Yes | No | No | No | No | | | 50 | 100 | 2 | A |

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| 5 Sem. | EEN201 | Seminar-1 | PR | CORE | 2 | No | No | No | Yes | No | | | 0 | 0 | 1 | A |
| 5 Sem. | EET301 | Industrial Training (45 days) | PR | CORE | 3 | No | No | No | No | No | | | 50 | 25 | 2 | A |
| 5 Sem. | SAA100 | SODECA (Anandam) | PR | CORE | 4 | No | No | No | No | No | | | 100 | 0 | 0.5 | A |
| 5 Sem. | EEL351 | Power Electronics | TH | CORE | 5 | No | Yes | No | No | No | | | 50 | 100 | 4 | A |
| 5 Sem. | EEL352 | Control System | TH | CORE | 6 | No | Yes | No | No | No | | | 50 | 100 | 3 | A |
| 5 Sem. | EEL153 | Microprocessors | TH | CORE | 7 | No | Yes | No | No | No | | | 50 | 100 | 3 | A |
| 5 Sem. | EEL154 | EMFT | TH | ELECTIVE | 8 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |
| 5 Sem. | EEL255 | Restructured Power Systems | TH | ELECTIVE | 8 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |
| 5 Sem. | EEL156 | High Voltage Engineering | TH | ELECTIVE | 9 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |

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| 5 Sem. | EEL257 | Signals and Systems | TH | ELECTIVE | 9 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |
| 5 Sem. | EEL151 | Power Electronics Lab | PR | CORE | 10 | No | Yes | No | No | No | | | 50 | 25 | 1.5 | A |
| 5 Sem. | EEL152 | System Simulation Lab | PR | CORE | 11 | No | Yes | No | No | No | | | 50 | 25 | 1.5 | A |
| 5 Sem. | EEL153 | Micro-processor Lab | PR | CORE | 12 | No | Yes | No | No | No | | | 50 | 25 | 1 | A |
| 5 Sem. | EEL105 | Power Generation Sources | TH | ELECTIVE | 13 | No | No | No | No | Yes | | | 50 | 100 | 3 | A |
| 5 Sem. | EEL1M3 | Basic Electronics or its equivalent MOOC | TH | ELECTIVE | 14 | No | No | No | No | No | | Electrical Engineering | 50 | 100 | 4 | A |
| 5 Sem. | EEL1M4 | Fundamental of Power Electronics or its equivalent MOOC | TH | ELECTIVE | 14 | No | No | No | No | No | | Electrical Engineering | 50 | 100 | 4 | A |
| 5 Sem. | EEL1DS13 | Advance Electric Drives or its equivalent MOOC | TH | ELECTIVE | 15 | No | No | No | No | No | Electric Drives & Control | | 50 | 100 | 3 | A |
| 5 Sem. | EEL1DS14 | Motors and Motor Circuits or its equivalent MOOC | TH | ELECTIVE | 16 | No | No | No | No | No | Electric Drives & Control | | 50 | 100 | 3 | A |

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| 5 Sem. | EEL1SS13 | System Design Through VERILOG or its equivalent MOOC | TH | ELECTIVE | 17 | No | No | No | No | No | Systems & Control | | 50 | 100 | 3 | A |
| 5 Sem. | EEL1SS14 | Linear Dynamical Systems or its equivalent MOOC | TH | ELECTIVE | 18 | No | No | No | No | No | Systems & Control | | 50 | 100 | 3 | A |
| 5 Sem. | EEL1RS13 | Renewable Energy Engineering: Solar, Wind, and Biomass Energy Systems or its equivalent MOOC | TH | ELECTIVE | 19 | No | No | No | No | No | Renewable Energy Technologies | | 50 | 100 | 3 | A |
| 5 Sem. | EEL1RS14 | Photovoltaic System or its equivalent MOOC | TH | ELECTIVE | 20 | No | No | No | No | No | Renewable Energy Technologies | | 50 | 100 | 3 | A |
| 5 Sem. | EEL1RAS13 | Industrial Automation with PLC & SCADA or its equivalent MOOC | TH | ELECTIVE | 21 | No | No | No | No | No | Robotics & Automation | | 50 | 100 | 3 | A |
| 5 Sem. | EEL1RAS14 | Sensors and Actuators or its equivalent MOOC | TH | ELECTIVE | 22 | No | No | No | No | No | Robotics & Automation | | 50 | 100 | 4 | A |
| | | | | | | | | | | | | | | | | |
| 6 Sem. | EEN202 | Seminar-2 | PR | CORE | 1 | No | No | No | Yes | No | | | 0 | 0 | 1 | A |

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| 6 Sem. | SAA100 | SODECA (Anandam) | PR | CORE | 2 | No | No | No | No | No | | | 100 | 0 | 0.5 | A |
| 6 Sem. | EEL261 | Modern Control theory | TH | CORE | 3 | No | Yes | No | No | No | | | 50 | 100 | 4 | A |
| 6 Sem. | EEL262 | Advanced Power Electronics | TH | CORE | 4 | No | Yes | No | No | No | | | 50 | 100 | 3 | A |
| 6 Sem. | EEL163 | Switchgear & Protection | TH | CORE | 5 | No | Yes | No | No | No | | | 50 | 100 | 3 | A |
| 6 Sem. | EEL364 | Computer Aided Design of Electrical Machines | TH | CORE | 6 | No | Yes | No | No | No | | | 50 | 100 | 3 | A |
| 6 Sem. | EEL266 | Power Quality | TH | ELECTIVE | 7 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |
| 6 Sem. | EEL365 | Smart Grid Technology | TH | ELECTIVE | 7 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |
| 6 Sem. | EEL367 | Power System Planning | TH | ELECTIVE | 7 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |
| 6 Sem. | EEL161 | Control Systems Lab | PR | CORE | 8 | No | Yes | No | No | No | | | 50 | 25 | 1 | A |

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| 6 Sem. | EEP162 | Advance Power Electronics Lab | PR | CORE | 9 | No | Yes | No | No | No | | | 50 | 25 | 1.5 | A |
| 6 Sem. | EEP163 | Power System Protection Lab | PR | CORE | 10 | No | Yes | No | No | No | | | 50 | 25 | 1.5 | A |
| 6 Sem. | EEL106 | Energy Audit and Demand side Management | TH | ELECTIVE | 11 | No | No | No | No | Yes | | | 50 | 100 | 4 | A |
| 6 Sem. | EEL1M5 | Physics of Renewable Energy Systems or its equivalent MOOC | TH | ELECTIVE | 12 | No | No | No | No | No | | Electrical Engineering | 50 | 100 | 4 | A |
| 6 Sem. | EEL1M6 | Introduction to Smart Grid or its equivalent MOOC | TH | ELECTIVE | 12 | No | No | No | No | No | | Electrical Engineering | 50 | 100 | 4 | A |
| 6 Sem. | EEL1DS15 | Electric Motor Control or its equivalent MOOC | TH | ELECTIVE | 13 | No | No | No | No | No | Electric Drives & Control | | 50 | 100 | 3 | A |
| 6 Sem. | EEL1DS16 | Drives & Control or its equivalent MOOC | TH | ELECTIVE | 14 | No | No | No | No | No | Electric Drives & Control | | 50 | 100 | 3 | A |
| 6 Sem. | EEL1SS15 | Sensors and Actuators or its equivalent MOOC | TH | ELECTIVE | 15 | No | No | No | No | No | Systems & Control | | 50 | 100 | 4 | A |
| 6 Sem. | EEL1SS16 | Industrial Automation and Control or its equivalent MOOC | TH | ELECTIVE | 16 | No | No | No | No | No | Systems & Control | | 50 | 100 | 4 | A |

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| 6 Sem. | EEL1RS15 | Wind Energy or its equivalent MOOC | TH | ELECTIVE | 17 | No | No | No | No | No | Renewable Energy Technologies | | 50 | 100 | 3 | A |
| 6 Sem. | EEL1RS16 | Renewable Energy: Fundamentals and Job Opportunities or its equivalent MOOC | TH | ELECTIVE | 18 | No | No | No | No | No | Renewable Energy Technologies | | 50 | 100 | 3 | A |
| 6 Sem. | EEL1RAS15 | Design of Mechatronic Systems or its equivalent MOOC | TH | ELECTIVE | 19 | No | No | No | No | No | Robotics & Automation | | 50 | 100 | 4 | A |
| 6 Sem. | EEL1RAS16 | Introduction to Robotics or its equivalent MOOC | TH | ELECTIVE | 20 | No | No | No | No | No | Robotics & Automation | | 50 | 100 | 4 | A |
| | | | | | | | | | | | | | | | | |
| 7 Sem. | EED411 | Project Part-1 | PR | CORE | 1 | No | Yes | No | No | No | | | 50 | 25 | 4 | A |
| 7 Sem. | EET302 | Industrial training (60 days) | PR | CORE | 2 | No | No | No | No | No | | | 50 | 25 | 3 | A |
| 7 Sem. | SAA100 | SODECA (Anandam) | PR | CORE | 3 | No | No | No | No | No | | | 100 | 0 | 0.5 | A |

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| 7 Sem. | EEL371 | Power System Analysis | TH | CORE | 4 | No | Yes | No | No | No | | | 50 | 100 | 4 | A |
| 7 Sem. | EEL372 | Electric Drives & Control | TH | CORE | 5 | No | Yes | No | No | No | | | 50 | 100 | 3 | A |
| 7 Sem. | EEL173 | Power System Engineering | TH | CORE | 6 | No | Yes | No | No | No | | | 50 | 100 | 3 | A |
| 7 Sem. | EEL274 | HVDC Transmission Systems | TH | ELECTIVE | 7 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |
| 7 Sem. | EEL276 | Digital Control Systems | TH | ELECTIVE | 7 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |
| 7 Sem. | EEL375 | Electrical and Hybrid Vehicles | TH | ELECTIVE | 7 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |
| 7 Sem. | EEP171 | Power System Modelling and Simulation Lab | PR | CORE | 8 | No | Yes | No | No | No | | | 50 | 25 | 1.5 | A |
| 7 Sem. | EEP172 | Electric Drives & Control Lab | PR | CORE | 9 | No | Yes | No | No | No | | | 50 | 25 | 1.5 | A |
| 7 Sem. | EEL107 | Industrial Electrical Systems | TH | ELECTIVE | 10 | No | No | No | No | Yes | | | 50 | 100 | 4 | A |

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| Year/Sem | Course Code | Subject Name | Type | CORE/ELECTIVE | Group | IC | DC | DE | Non-Graded | OC | Dep.Spec. | Minor.Spec. | Max Marks Internal | Max Marks External | Credit /Unit | Programme-Option |
| 7 Sem. | EEL1M7 | Power System Protection or its equivalent MOOC | TH | ELECTIVE | 11 | No | No | No | No | No | | Electrical Engineering | 50 | 100 | 4 | A |
| 7 Sem. | EEL1M8 | Power System Analysis or its equivalent MOOC | TH | ELECTIVE | 11 | No | No | No | No | No | | Electrical Engineering | 50 | 100 | 4 | A |
| 7 Sem. | EEL1DS17 | Fundamentals of Power Electronics or its equivalent MOOC | TH | ELECTIVE | 12 | No | No | No | No | No | Electric Drives & Control | | 50 | 100 | 3 | A |
| 7 Sem. | EEL1DS18 | Advance Power Electronics & Control or its equivalent MOOC | TH | ELECTIVE | 13 | No | No | No | No | No | Electric Drives & Control | | 50 | 100 | 3 | A |
| 7 Sem. | EEL1SS17 | Intelligent Systems and Control or its equivalent MOOC | TH | ELECTIVE | 14 | No | No | No | No | No | Systems & Control | | 50 | 100 | 4 | A |
| 7 Sem. | EEL1RS17 | Global Energy and Climate Policy or its equivalent MOOC | TH | ELECTIVE | 15 | No | No | No | No | No | Renewable Energy Technologies | | 50 | 100 | 3 | A |
| 7 Sem. | EEL1RS18 | Renewable Power and Electricity System or its equivalent MOOC | TH | ELECTIVE | 16 | No | No | No | No | No | Renewable Energy Technologies | | 50 | 100 | 3 | A |

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| Year/Sem | Course Code | Subject Name | Type | CORE/ELECTIVE | Group | IC | DC | DE | Non-Graded | OC | Dep.Spec. | Minor.Spec. | Max Marks Internal | Max Marks External | Credit /Unit | Programme-Option |
| 7 Sem. | EEL1RAS17 | Fundamentals of Automotive Systems or its equivalent MOOC | TH | ELECTIVE | 17 | No | No | No | No | No | Robotics & Automation | | 50 | 100 | 4 | A |
| 7 Sem. | EEL1RAS18 | Robotics and Control: Theory and Practice or its equivalent MOOC | TH | ELECTIVE | 18 | No | No | No | No | No | Robotics & Automation | | 50 | 100 | 3 | A |
| 7 Sem. | EEL184 | Electrical Energy Conservation and Auditing | TH | ELECTIVE | 19 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |
| 7 Sem. | EEL186 | Wind and Solar Energy Systems | TH | ELECTIVE | 19 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |
| 7 Sem. | EEL385 | FACTS Devices and their Application | TH | ELECTIVE | 19 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |
| 7 Sem. | EED414 | Mini Project | PR | CORE | 20 | No | No | No | No | No | | Electrical Engineering | 50 | 25 | 5 | A |
| 7 Sem. | EED415 | Mini Project | PR | CORE | 21 | No | No | No | No | No | Electric Drives & Control | | 50 | 25 | 5 | A |
| 7 Sem. | EED416 | Mini Project | PR | CORE | 22 | No | No | No | No | No | Systems & Control | | 50 | 25 | 5 | A |

APPLICABLE FOR STUDENTS ADMITTED IN 2020-21 AND ONWARDS

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| Year/Sem | Course Code | Subject Name | Type | CORE/ELECTIVE | Group | IC | DC | DE | Non-Graded | OC | Dep.Spec. | Minor.Spec. | Max Marks Internal | Max Marks External | Credit /Unit | Programme-Option |
| 7 Sem. | EED417 | Mini Project | PR | CORE | 23 | No | No | No | No | No | Renewable Energy Technologies | | 50 | 25 | 5 | A |
| 7 Sem. | EED418 | Mini Project | PR | CORE | 24 | No | No | No | No | No | Robotics & Automation | | 50 | 25 | 5 | A |
| | | | | | | | | | | | | | | | | |
| 8 Sem. | HUL204 | Innovation & Entrepreneurship | TH | CORE | 1 | Yes | No | No | No | No | | | 50 | 100 | 3 | A |
| 8 Sem. | EED412 | Project Part-2 | PR | CORE | 2 | No | Yes | No | No | No | | | 50 | 25 | 6 | A |
| 8 Sem. | SAA100 | SODECA (Anandam) | PR | CORE | 3 | No | No | No | No | No | | | 100 | 0 | 0.5 | A |
| 8 Sem. | EEL181 | Artificial Intelligence | TH | ELECTIVE | 4 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |
| 8 Sem. | EEL183 | Optimization Techniques | TH | ELECTIVE | 4 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |
| 8 Sem. | EEL282 | Line-Commutated and Active PWM Rectifiers | TH | ELECTIVE | 4 | No | No | Yes | No | No | | | 50 | 100 | 3 | A |

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| Year/Sem | Course Code | Subject Name | Type | CORE/ELECTIVE | Group | IC | DC | DE | Non-Graded | OC | Dep.Spec. | Minor.Spec. | Max Marks Internal | Max Marks External | Credit /Unit | Programme-Option |
| 8 Sem. | HUL205 | EQUIVALENT MOOC OF Innovation & Entrepreneurship | TH | CORE | 5 | Yes | No | No | No | No | | | 50 | 100 | 3 | B |
| 8 Sem. | EEL1M10 | Power System Engineering | TH | ELECTIVE | 6 | No | No | No | No | No | | Electrical Engineering | 50 | 100 | 4 | A |
| 8 Sem. | EEL1M9 | Microprocessors and Interfacing | TH | ELECTIVE | 6 | No | No | No | No | No | | Electrical Engineering | 50 | 100 | 4 | A |
| 8 Sem. | SAA100 | SODECA (Anandam) | PR | CORE | 7 | No | No | No | No | No | | | 100 | 0 | 0.5 | B |
| 8 Sem. | EED413 | INTERNSHIP | PR | CORE | 8 | No | Yes | No | No | No | | | 50 | 25 | 10 | B |
| 8 Sem. | EEL1RS19 | Design of Photovoltaic Systems or its equivalent MOOC | TH | ELECTIVE | 9 | No | No | No | No | No | Renewable Energy Technologies | | 50 | 100 | 4 | A |