

Registration Form for Enrollment in Even Semester for Session 2021-22 (Summer 2022)

(To be filled in **Blue Ink in Capital letters only**) Instruction: Please Tick appropriately and properly

Name : _____ Enrolment No. : _____

ID No. : _____ Name of Faculty Advisor : _____ Contact No. : _____

Current Address : _____

E-mail : _____ Parents No. : _____

B. Tech. in Electrical & Electronics Engineering

IV Semester

| Sr. No. | Code | Course Title / Name | Type | Credit | Slot | Offered (YES / NO) | Selection |
|---------|--------|--|------|-----------|------|--------------------|-----------|
| 1 | EEL203 | ELECTRICAL MACHINE-I | DC | 4 | H | Offered | YES/NO |
| 2 | ECL207 | DIGITAL CIRCUITS | DC | 3 | C | Offered | YES/NO |
| 3 | EEL225 | ELECTRICAL POWER SYSTEM I | DC | 4 | D | Offered | YES/NO |
| 4 | ECL320 | LINEAR ELECTRONIC CIRCUIT | DC | 3 | F | Offered | YES/NO |
| 5 | EEP203 | ELECTRICAL MACHINE-I | DC | 1 | H | Offered | YES/NO |
| 6 | ECP320 | LINEAR ELECTRONIC CIRCUIT | DC | 1 | F | Offered | YES/NO |
| 7 | ECP207 | DIGITAL CIRCUITS | DC | 1 | C | Offered | YES/NO |
| | | Elective Courses (Any two) | | | | | |
| 8 | EEL215 | ELECTRICAL POWER UTILIZATION | DE | 3 | B | Offered | YES/NO |
| 9 | EEL227 | POWER STATION PRACTICE | DE | 3 | G | Offered | YES/NO |
| 10 | MAL205 | NUMERICAL METHODS AND PROBABILITY THEORY | DE | 3 | E | Offered | YES/NO |
| 11 | EEP223 | PROGRAMMING TECHNIQUE AND SIMULATION | DC | 1 | E | Offered | YES/NO |
| 12 | EEP230 | ELECTRICAL WORKSHOP | DC | 1 | D | Offered | YES/NO |
| 13 | | OC / HM | | | | | |
| | | Total Credits (DC + DE) | | 24 | | | |

Signature of Student

Signature of Faculty Advisor

Date:

Date:

A student must register the backlog courses first and then register for the current semester courses. A student can register for maximum SIX THEORY and FOUR PRACTICAL (including project) as credit courses, and maximum one audit course including all backlog course/(s), if any.

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VI Semester

| Sr. No. | Code | Course Title / Name | Type | Credit | Slot | Offered (YES / NO) | Selection |
|-----------------------------------|-------------------|-------------------------------------|---------------|--------------|------|------------------------|-----------|
| 1 | EEL329 | SWITCHGEAR AND PROTECTION | DC | 3 | D | Offered | YES/NO |
| 2 | EEL330 | MICROCONTROLLERS | DC | 3 | H | Offered | YES/NO |
| 3 | EEL326 | INDUSTRIAL AUTOMATION | DC | 3 | | Not offered | YES/NO |
| 4 | EEP329 | SWITCHGEAR AND PROTECTION | DC | 1 | D | Offered | YES/NO |
| 5 | EEP330 | MICROCONTROLLERS | DC | 1 | H | Offered | YES/NO |
| 6 | EEP326 | INDUSTRIAL AUTOMATION | DC | 4 | | Not offered | YES/NO |
| 7 | ECL320 | LINEAR ELECTRONIC CIRCUIT | DC | 3 | G | Offered | YES/NO |
| 8 | ECP320 | LINEAR ELECTRONIC CIRCUIT | DC | 1 | G | Offered | YES/NO |
| 9 | EEL304 | ELECTRIC DRIVES & THEIR CONTROL | DC | 4 | E | Offered | YES/NO |
| ELECTIVE COURSES (ANY ONE) | | | | | | | |
| 10 | EEL433 | FLEXIBLE AC TRANSMISSION SYSTEM | DE | 3 | F | Offered | YES/NO |
| 11 | EEP433 | FLEXIBLE AC TRANSMISSION SYSTEM | DE | 1 | F | Offered | YES/NO |
| 12 | EEL434 | COMPUTER METHODS IN POWER SYSTEMS | DE | 3 | F | Offered | YES/NO |
| 13 | EEP434 | COMPUTER METHODS IN POWER SYSTEMS | DE | 1 | F | Offered | YES/NO |
| 14 | MEL424 | INDUSTRIAL ENGINEERING & MANAGEMENT | DE | 3 | C | Offered | YES/NO |
| 15 | EEL418 | CONTROL SYSTEM-H | DE | 3 | | Not offered | |
| 16 | | OC / HM | | 3 | | | |
| | | Total Credits (DC + DE) | | 23 | | | |

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Date:

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Visvesvaraya National Institute of Technology, Nagpur

02-12-2021

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VIII Semester

| Sr. No. | Code | Course Title / Name | Type | Credit | Slot | Offered (YES / NO) | Selection |
|---------|-------------------|--|---------------|-----------|------|------------------------|-----------|
| 1 | EED402 | PROJECT PHASE-II | DC | 4 | - | Offered | YES/NO |
| | | Elective Courses (Any four) | | | | | YES/NO |
| 2 | EEL416 | RENEWABLE ENERGY SYSTEMS | DE | 3 | G | Offered | YES/NO |
| 3 | EEL426 | CONDITION MONITORING OF ELECTRIC COMPONENTS | DE | 3 | D | Offered | YES/NO |
| 4 | EEL412 | DSP APPLICATION TO POWER SYSTEM | DE | 3 | | Not offered | YES/NO |
| 5 | EEL427 | RESTRUCTURED POWER SYSTEMS | DE | 3 | H | Offered | YES/NO |
| 6 | EEL431 | SMART GRID | DE | 3 | C | Offered | YES/NO |
| 7 | EEP415 | COMPUTER APPLICATIONS IN ELECTRICAL ENGINEERING | DE | 1 | E | Offered | YES/NO |
| 8 | EEP416 | RENEWABLE ENERGY SOURCES LAB | DE | 1 | G | Offered | |
| 9 | EEP420 | CONDITION MONITORING OF ELECTRICAL COMPONENTS | DE | 1 | | Not offered | YES/NO |
| 10 | EEL418 | CONTROL SYSTEM-II | DE | 3 | E | Offered | |
| 11 | | OC / HM | | | | | |
| | | Total Credits (DC + DE) | | 17 | | | |

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M. Tech in (INTEGRATED POWER SYSTEM)

II Semester

| Sr. No. | Code | Course Title / Name | Type | Credit | Slot | Offered (YES / NO) | Selection |
|--|--------|--|------|-----------|------|--------------------|-----------|
| 1 | EEL507 | POWER SYSTEM DYNAMICS-II | DC | 3 | D | Offered | YES/NO |
| 2 | EEP507 | POWER SYSTEM DYNAMICS-II | DC | 1 | D | Offered | YES/NO |
| 3 | EEL526 | ANALYSIS OF FACTS DEVICES | DC | 3 | H | Offered | YES/NO |
| 4 | EEP526 | ANALYSIS OF FACTS DEVICES | DC | 1 | H | Offered | YES/NO |
| 5 | EEL512 | DISTRIBUTED GENERATION | DC | 3 | E | Offered | |
| 6 | EEP512 | DISTRIBUTED GENERATION | DC | 1 | E | Offered | YES/NO |
| 7 | EEL503 | POWER SYSTEM MANAGEMENT | DC | 3 | G | Offered | YES/NO |
| Elective Courses (Any One Theory) | | | | | | | YES/NO |
| 8 | EEL531 | MICROCONTROLLER AND DIGITAL SIGNAL PROCESSOR | DE | 3 | C | Offered | YES/NO |
| 9 | EEL506 | SPECIAL TOPICS IN POWER SYSTEMS | DE | 3 | | Not offered | |
| 10 | EEL431 | SMART GRID | DE | 3 | C | Offered | YES/NO |
| 11 | EEL513 | RELIABILITY OF ELECTRIC SYSTEMS | DE | 3 | | Not offered | |
| 12 | EEL515 | DIGITAL CONTROL SYSTEMS | DE | 3 | F | Offered | YES/NO |
| 13 | EEP515 | DIGITAL CONTROL SYSTEMS | DE | 1 | F | Offered | YES/NO |
| 14 | EEL505 | ARTIFICIAL INTELLIGENCE BASED SYSTEM | DE | 3 | B | Offered | YES/NO |
| 15 | EEP505 | ARTIFICIAL INTELLIGENCE BASED SYSTEM | DE | 1 | B | Offered | YES/NO |
| 16 | EEL521 | ADVANCE POWER QUALITY | DE | 3 | B | Offered | YES/NO |
| 17 | EEP521 | ADVANCE POWER QUALITY | DE | 1 | B | Offered | YES/NO |
| 18 | EEL527 | SOLAR PHOTOVOLTAIC AND WIND ENERGY SYSTEMS | DE | 3 | F | Offered | YES/NO |
| 19 | EEP527 | SOLAR PHOTOVOLTAIC AND WIND ENERGY SYSTEMS | DE | 1 | F | Offered | YES/NO |
| Total Credits (DC + DE) | | | | 22 | | | |

IV Semester

| Sr. No. | Code | Course Title / Name | Type | Credit | Slot | Offered (YES / NO) | Selection |
|---------------|--------|---------------------|------|--------|------|--------------------|-----------|
| 1 | EED502 | PROJECT PHASE-II | DC | 9 | - | Offered | YES/NO |
| Course | | | | 9 | | | |

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M. Tech in (POWER ELECTRONICS AND DRIVES)

II Semester

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|--|-------------------|--|---------------|--------------|------|------------------------|-----------|
| 1 | EEL510 | ELECTRICAL DRIVES-II | DC | 3 | G | Offered | YES/NO |
| 2 | EEL515 | DIGITAL CONTROL SYSTEMS | DC | 3 | F | Offered | YES/NO |
| 3 | EEP515 | DIGITAL CONTROL SYSTEMS | DC | 1 | F | Offered | YES/NO |
| 4 | EEL523 | ANALYSIS AND DESIGN OF PE CONVERTERS | DC | 3 | D | Offered | YES/NO |
| 5 | EEL526 | ANALYSIS OF FACTS DEVICES | DC | 3 | H | Offered | YES/NO |
| 6 | EEP524 | SIMULATION / IMPLEMENTATION OF PE CIRCUITS | DC | 1 | D | Offered | YES/NO |
| 7 | EEP526 | ANALYSIS OF FACTS DEVICES | DC | 1 | H | Offered | YES/NO |
| Elective Courses (Any One Theory) | | | | | | | |
| 8 | EEL431 | SMART GRID | DE | 3 | C | Offered | YES/NO |
| 9 | EEL511 | SPECIAL TOPICS IN POWER ELECTRONICS | DE | 3 | | Not offered | |
| 10 | EEL512 | DISTRIBUTED GENERATION | DE | 3 | E | Offered | YES/NO |
| 11 | MAL504 | APPLIED LINEAR ALGEBRA | DE | 3 | C | Offered | YES/NO |
| 12 | EEL505 | ARTIFICIAL INTELLIGENCE BASED SYSTEM | DE | 1 | B | Offered | YES/NO |
| 13 | EEP505 | ARTIFICIAL INTELLIGENCE BASED SYSTEM | DE | 1 | B | Offered | YES/NO |
| 14 | EEL521 | ADVANCE POWER QUALITY | DE | 3 | B | Offered | YES/NO |
| 15 | EEP521 | ADVANCE POWER QUALITY | DE | 3 | B | Offered | YES/NO |
| Total Credits (DC + DE) | | | | 22 | | | |

IV Semester

| Sr. No. | Code | Course Title / Name | Type | Credit | Slot | Offered (YES / NO) | Selection |
|--------------------------------|--------|---------------------|------|----------|----------|--------------------|-----------|
| 1 | EED502 | PROJECT PHASE-II | DC | 9 | H | Offered | YES/NO |
| Total Credits (DC + DE) | | | | 9 | - | | |

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