# SRK INSTITUTE OF TECHNOLOGY

**Enikepadu, Vijayawada 521108**
**Approved by AICTE, Affiliated to JNTUK, Kakinada**
**(ISO 9001:2015 Certified Institution)**
**DEPARTMENT OF CIVIL ENGINEERING**

**SRKIT / CE / 73**

**III/IV B. TECH – II SEMESTER**

## CIRCULAR FOR OPEN ELECTIVE AND PROFESSIONAL ELECTIVE II OFFERED

Date: 21/12/2023

According to R20 Regulation designed by JNTUK, the subjects comprising Open elective & Professional elective II of III/IV B. Tech Civil Engineering students for the academic year 2023-24, I semester are listed below. Therefore, students are instructed to choose open elective and professional elective II subjects on or before 28/12/2023. Details of syllabus are enclosed

OPEN ELECTIVE

1. Automobile Engineering (AE)
2. Smart Manufacturing (SE)
3. Advanced Mechanics of Solids (AMS)
4. Statistical Quality Control (SQC)

PROFESSIONAL ELECTIVE-II

1. Advanced Structural Analysis (ASA|)
2. Architecture and Town Planning (ATP)
3. Road Safety Engineering (RSE)
4. Traffic Engineering (TE)

T. Lakshmi
HOD CE
21/12/23

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## LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: III/II** **Section-A**

| S.NO | Roll No | OPEN ELECTIVE<br>1. Automobile Engineering (AE)<br>2. Smart Manufacturing (SE)<br>3. Advanced Mechanics of Solids (AMS)<br>4. Statistical Quality Control (SQC) | | | | |
|---|---|---|---|---|---|---|
| | | **AE** | **SM** | **AMS** | **SQC** | **STUDENT SIGNATURE** |
| 1 | 21X41A0101 | ✓ | | | | Premteja |
| 2 | 21X41A0102 | ✓ | | | | T. Jyothi |
| 3 | 21X41A0103 | | | | ✓ | Gopi |
| 4 | 22X45A0101 | ✓ | | | | Guru |
| 5 | 22X45A0102 | ✓ | | | | V. Nagesh |
| 6 | 22X45A0103 | ✓ | | | | B. Srinivas |
| 7 | 22X45A0104 | ✓ | | | | S. Jagadeesh |
| 8 | 22X45A0105 | ✓ | | | | Nandini |
| 9 | 22X45A0106 | | | | ✓ | B. Bhuvaneshwari |
| 10 | 22X45A0107 | ✓ | | | | Shaik. Fathima |
| 11 | 22X45A0108 | ✓ | | | | P. Anil Kumar |

T. Lohitha
**HOD-CE**
28/12/23

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
**KAKINADA – 533 003, Andhra Pradesh, India**
**DEPARTMENT OF CIVIL ENGINEERING**

**Professional Electives R20 (5 PE x 3 = 15 Credits)**
**(Department can offer Maximum 2 Subjects from Each PE, elected by the students)**
**Note: Student must choose subjects which were not opted earlier**
**PE starts from III-I**

| **rofessional Elective-I** | **Professional Elective-II** | **Professional Elective-III** | **Professional Elective-IV** | **Professional Elective-IV** |
|---|---|---|---|---|
| a) Construction Technology &Management | a) Advanced Structural Analysis | a) Advanced Structural Engineering | a) Ground Improvement Techniques | a) Design & Drawing of Irrigation Structures |
| b) Remote Sensing and GIS | b) Architecture and Town Planning | b) Bridge Engineering | b) Geo-Spatial Technologies | b) Earth & Rock fill Dams |
| c)Environmental Impact Assessment | c) Road Safety Engineering | c) Structural Dynamics | c) Disaster Management & Mitigation | c) Urban Hydrology |
| d) Low Cost Housing | d) Traffic Engineering | d)Urban Transportation Planning | d) Soil dynamics & Machine Foundations | SWAYAM / NPTEL /MOOCS COURSES (12 weeks duration) |

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA – 533 003, Andhra Pradesh, India
## DEPARTMENT OF MECHANICAL ENGINEERING

### III B.TECH II SEMESTER

| S.No | Code | Course Title | Hours | | | Credits |
|---|---|---|---|---|---|---|
| | | | L | T | P | |
| 1 | PCC-10 | Heat Transfer | 3 | 0 | 0 | 3 |
| 2 | PCC-11 | Design of Machine Members-II | 3 | 0 | 0 | 3 |
| 3 | PCC-12 | Introduction to Artificial Intelligence and Machine Learning | 3 | 0 | 0 | 3 |
| 4 | PE-2 | 1.Automobile Engineering<br>2.Smart Manufacturing<br>3.Advanced Mechanics of Solids<br>4.Statistical Quality Control<br>5.Industrial Hydraulics and Pneumatics<br>6.MOOCs (NPTEL/ Swayam) Course (12 Week duration) | 3 | 0 | 0 | 3 |
| 5 | OE-2 | 1.Industrial Robotics<br>2.Essentials of Mechanical Engineering<br>3.Advanced Materials<br>4.Introduction to Automobile Engineering | 3 | 0 | 0 | 3 |
| 6 | PCC-L8 | Heat Transfer Lab | 0 | 0 | 3 | 1.5 |
| 7 | PCC-L9 | CAE&CAM Lab | 0 | 0 | 3 | 1.5 |
| 8 | PCC-L10 | Measurements & Metrology Lab | 0 | 0 | 3 | 1.5 |
| 9 | SOC-4 | Artificial Intelligence and Machine Learning Lab | 0 | 0 | 4 | 2 |
| 10 | MC - 5 | Research Methodology and IPR | 2 | 0 | 0 | 0 |
| | | | **Total credits** | | | **21.5** |
| | | Honors/Minor courses | 4 | 0 | 0 | **4** |

* At the end of III Year II Semester, students shall complete summer internship spanning between 1 to 2 months at Industries/ Higher Learning Institutions/ APSSDC.

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India
## DEPARTMENT OF MECHANICAL ENGINEERING

### IV B.TECH I SEMESTER

| S.No | Code | Course Title | Hours | | | Credits |
|---|---|---|---|---|---|---|
| | | | L | T | P | |
| 1 | PE-3 | 1. Mechanical Vibrations<br>2. Operations Research<br>3. Unconventional Machining Processes<br>4. Computational Fluid Dynamics<br>5. Gas Dynamics and Jet Propulsion<br>6. MOOCs (NPTEL/Swayam) Course (12 Week duration) | 3 | 0 | 0 | 3 |
| 2 | PE-4 | 1. Automation in Manufacturing<br>2. Power Plant Engineering<br>3. Big Data Analytics<br>4. Production Planning and Control<br>5.Condition Monitoring<br>6.MOOCs (NPTEL/Swayam) Course (12 Week duration) | 3 | 0 | 0 | 3 |
| 3 | PE-5 | 1. Advanced Manufacturing Processes<br>2. Mechatronics<br>3. Refrigeration & Air-Conditioning<br>4. Additive Manufacturing<br>5. Non Destructive Evaluation<br>6. MOOCs (NPTEL/Swayam) Course (12 Week duration) | 3 | 0 | 0 | 3 |
| 4 | OE-3 | 1. Additive Manufacturing<br>2. Mechatronics<br>3. Finite Element Methods<br>4. Introduction to Artificial Intelligence &Machine Learning | 3 | 0 | 0 | 3 |
| 5 | OE-4 | 1. Optimization Techniques<br>2. Smart Manufacturing<br>3. Safety Engineering<br>4. Operations Management | 3 | 0 | 0 | 3 |
| 6 | HSC-3 | Universal Human Values: Understanding Harmony | 3 | 0 | 0 | 3 |
| 7 | SOC-5 | Mechatronics Lab | 0 | 0 | 4 | 2 |
| Evaluation of Summer Internship which is completed at the end of III B.Tech II Semester | | | | | | 3 |
| | | | **Total credits** | | | **23** |
| | | Honors/Minor courses | 4 | 0 | 0 | **4** |

### IV B.TECH II SEMESTER

| S No. | Category | Code | Course Title | Hours per week | | | Credits |
|---|---|---|---|---|---|---|---|
| | | | | L | T | P | |
| 1 | Major Project | PROJ | Project work* | 0 | 4 | 16 | 12 |
| | | | **Total credits** | | | | **12** |

*Students can complete Project work @ Industries/ Higher Learning Institutions/ APSSDC.

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**III/IV B. TECH II SEMESTER**

**CIRCULAR**

Date: 21/12/2023

This is to inform all the students of III/IV B.Tech, Civil Engineering, as per decision of the Departmental Academic Committee (DAC), the Auto mobile engineering (AE) and Traffic Engineering (TE) offered as an Open Elective, Professional Elective-II for the academic year 2023-24, II Semester.

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## LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: III/II** **Section-A**

| S.NO | Roll No | PROFESSIONAL ELECTIVE-II<br>1. Advanced Structural Analysis (ASA)<br>2. Architecture and Town Planning (ATP)<br>3. Road Safety Engineering (RSE)<br>4. Traffic Engineering (TE) | | | | |
|---|---|---|---|---|---|---|
| | | **ASA** | **ATP** | **RSE** | **TE** | **STUDENT SIGNATURE** |
| 1 | 21X41A0101 | | | | ✓ | Prem Teja |
| 2 | 21X41A0102 | | | | ✓ | T. Jy |
| 3 | 21X41A0103 | | | | ✓ | |
| 4 | 22X45A0101 | | | ✓ | | |
| 5 | 22X45A0102 | | | | ✓ | V. Naresh |
| 6 | 22X45A0103 | | | | ✓ | B. Srinivas |
| 7 | 22X45A0104 | | | | ✓ | S. Jagadeesh |
| 8 | 22X45A0105 | | | ✓ | | Nandini |
| 9 | 22X45A0106 | | | | ✓ | B. Bimna Prakash |
| 10 | 22X45A0107 | | | | ✓ | Shaik. Faizana |
| 11 | 22X45A0108 | | | | ✓ | P. Anil Kumar |

T. [illegible]
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28/12/23

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## III/IV B. TECH I SEMESTER

## CIRCULAR

Date: 05/06/2023

This is to inform all the students of III/IV B.Tech, Civil Engineering, as per decision of the Departmental Academic Committee (DAC), the Sustainable energy technologies (SET) and Construction Technology and Management (CTM) offered as an Open Elective, Professional Elective-I for the academic year 2023-24, I Semester.

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## III/IV B. TECH – I SEMESTER

## CIRCULAR FOR OPEN ELECTIVE AND PROFESSIONAL ELECTIVE I OFFERED

Date: 05/06/2023

According to R20 Regulation designed by JNTUK, the subjects comprising Open elective & Programme elective II of III/IV B. Tech Civil Engineering students for the academic year 2023-24, I semester are listed below. Therefore, students are instructed to choose open elective and professional elective I subjects on or before 30/06/2023. Details of syllabus are enclosed

OPEN ELECTIVE-I

1. Sustainable Energy Technologies (SET)
2. Operations Research (OR)
3. Nano Technology (NT)
4. Thermal Management of Electronic systems (TMES)
5. Safety Engineering (SE)
6. Environmental Management (EM)
7. Urban Planning (UP)

PROFESSIONAL ELECTIVE-I

1. Construction Technology &Management
2. Remote Sensing and GIS
3. Environmental Impact Assessment
4. Low Cost Housing

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## LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: III/I** **Section-A**

| S.NO | Roll No | OPEN ELECTIVE-I<br>1. Sustainable Energy Technologies (SET)<br>2. Operations Research (OR)<br>3. Nano Technology (NT)<br>4. Thermal Management of Electronic systems (TMES)<br>5. Safety Engineering (SE)<br>6. Environmental Management (EM)<br>7. Urban Planning (UP) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | SET | OR | NT | TMES | SE | EM | UP | STUDENT SIGNATURE |
| 1 | 21X41A0101 | ✓ | | | | | | | Ch. Poem Teja |
| 2 | 21X41A0102 | ✓ | | | | | | | V. Vijaya Lakshmi |
| 3 | 21X41A0103 | ✓ | | | | | | | V. Gopinadh |
| 4 | 22X45A0101 | ✓ | | | | | | | K. Sowmya |
| 5 | 22X45A0102 | | ✓ | | | | | | V. Naresh. |
| 6 | 22X45A0103 | ✓ | | | | | | | B. Srinivas. |
| 7 | 22X45A0104 | ✓ | | | | | | | S. Jagadeesh |
| 8 | 22X45A0105 | ✓ | | | | | | | M. Nandini |
| 9 | 22X45A0106 | ✓ | | | | | | | L. Bhanu |
| 10 | 22X45A0107 | ✓ | | | | | | | S. Faiz Tabrez |
| 11 | 22X45A0108 | ✓ | | | | | | | P. Anil Kumar |

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## LIST OF ELECTIVES OFFERED; CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: III/I** **Section: A**

| S.NO | Roll No | OPEN ELECTIVE-I<br>1. Sustainable Energy Technologies (SET)<br>2. Operations Research (OR)<br>3. Nano Technology (NT)<br>4. Thermal Management of Electronic systems (TMES)<br>5. Safety Engineering (SE)<br>6. Environmental Management (EM)<br>7. Urban Planning (UP) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | SET | OR | NT | TMES | SE | EM | UP | SIUDENT SIGNATURE |
| 12 | 22X45A0109 | | | | | | | | |

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## LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: III/I** **Section-A**

| S.NO | Roll No | PROFESSIONAL ELECTIVE-I<br>1. Construction Technology &Management (CTM)<br>2. Remote Sensing and GIS (RS&GIS)<br>3. Environmental Impact Assessment (EIA)<br>4. Low Cost Housing (LCH) | | | | |
|---|---|---|---|---|---|---|
| | | **CTM** | **RS&GIS** | **EIA** | **LCH** | **STUDENT SIGNATURE** |
| 1 | 21X41A0101 | ✓ | | | | Ch. Poornima |
| 2 | 21X41A0102 | ✓ | | | | Y. Jayanth |
| 3 | 21X41A0103 | ✓ | | | | V. Gopinath |
| 4 | 22X45A0101 | | | ✓ | | K. Sumanth |
| 5 | 22X45A0102 | ✓ | | | | V. Naresh |
| 6 | 22X45A0103 | ✓ | | | | B. Srinivas |
| 7 | 22X45A0104 | ✓ | | | | S. Jagadeesh |
| 8 | 22X45A0105 | ✓ | | | | M. Manikanta |
| 9 | 22X45A0106 | ✓ | | | | L. Rahul |
| 10 | 22X45A0107 | ✓ | | | | Shaik Farzana |
| 11 | 22X45A0108 | ✓ | | | | R. Sai Laxmi |
| 12 | 22X45A0109 | | | | | |

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**IV/IV B. TECH I SEMESTER**

**CIRCULAR**

Date: 18/ 05/2023

This is to inform all the students of IV/IV B.Tech, Civil Engineering, as per decision of the Departmental Academic Committee (DAC), Additive Manufacturing (AM) and Safety engineering (SE) offered as an Open Elective -III, Open Elective –IV, Urban transport planning (UTP) Professional Elective-III, Disaster management & mitigation (DMM) Professional Elective-IV And Design and drawing of irrigation structures (DDIS) Professional Elective-V for the academic year 2023-24, I Semester.

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## IV/IV B. TECH – I SEMESTER

## CIRCULAR FOR OPEN ELECTIVE III AND PROFESSIONAL ELECTIVE III OFFERED

Date: 18/05/2023

According to R20 Regulation designed by JNTUK, the subjects comprising Open elective III & Open elective IV , Programe elective III, Programe elective IV Programe elective V of IV/IV B. Tech Civil Engineering students for the academic year 2023-24, I semester are listed below. Therefore, students are instructed to choose open elective and professional elective I subjects on or before 10/06/2023. Details of syllabus are enclosed

OPEN ELECTIVE-III

1. Additive Manufacturing
2. Mechatronics
3. Finite element methods
4. Introduction to artificial intelligence & machine learning

OPEN ELECTIVE-IV

1. Optimization Techniques
2. Smart Manufacturing
3. Safety Engineering
4. Operations Managament

PROFESSIONAL ELECTIVE-III

1. Advanced Structural Engineering
2. Bridge Engineering
3. Structural Dynamics
4. Urban Transport Planning

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PROFESSIONAL ELECTIVE-IV

1. Ground improvement Techniques
2. Geo-spatial Technologies
3. Disaster management & mitigation
4. Soil dynamics and machine foundations

PROFESSIONAL ELECTIVE-IV

1. Design and drawing of irrigation structures
2. Earth & rockfill Dams
3. Urban Hydrology

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## LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: IV/I** **Section-A**

| S.NO | Roll No | OPEN ELECTIVE ELECTIVE-III<br>1. Additive Manufacturing<br>2. Mechatronics<br>3. Finite element methods<br>4. Introduction to artificial intelligence & machine learning | | | | |
|---|---|---|---|---|---|---|
| | | **AM** | **Mechatronics** | **FEM** | **IAM** | **STUDENT SIGNATURE** |
| 1 | 20X41A0101 | ✓ | | | | V. Mohith |
| 2 | 20X41A0102 | ✓ | | | | T.S. Ettish |
| 3 | 20X41A0103 | ✓ | | | | Mani kanta |
| 4 | 20X41A0104 | ✓ | | | | Ch. Sai |
| 5 | 20X41A0105 | ✓ | | | | G. Chesta |
| 6 | 20X41A0106 | ✓ | | | | ~~K.V.D.~~ |
| 7 | 20X41A0107 | ✓ | | | | M. Zanki |
| 8 | 20X41A0108 | | | | ✓ | K. Phanindra |
| 9 | 20X41A0109 | ✓ | | | | Nikhil |
| 10 | 20X41A0110 | ✓ | | | | — |
| 11 | 20X41A0111 | ✓ | | | | N. Mahesh |
| 12 | 20X41A0112 | ✓ | | | | N. Vamsi |
| 13 | 20X41A0113 | ✓ | | | | Vamsi |
| 14 | 20X41A0114 | ✓ | | | | Sandeep |
| 15 | 20X41A0115 | ✓ | ✓ | | | Sandeep |
| 16 | 20X41A0116 | | ✓ | | | Megha |
| 17 | 20X41A0117 | ✓ | | | | V.V. Sai Bhindra |
| 18 | 20X41A0118 | ✓ | | | | A. Bhavanmeet |
| 19 | 21X45A0101 | | ✓ | | | A. Padma |
| 20 | 21X45A0102 | | | ✓ | | A. Surya |
| 21 | 21X45A0103 | ✓ | | | | D. Durga Prasad |
| 22 | 21X45A0104 | ✓ | | | | D. Sai Deep |
| 23 | 21X45A0105 | ✓ | | | | D. Sai Tejo |
| 24 | 21X45A0106 | ✓ | | | | G. Mahesh |
| 25 | 21X45A0107 | ✓ | | | | G. Vidhya Rao |
| 26 | 21X45A0108 | ✓ | | | | J. Pranitha |
| 27 | 21X45A0109 | ✓ | | | | K. Yogesh |
| 28 | 21X45A0110 | ✓ | | | | K. Saumya |
| 29 | 21X45A0111 | ✓ | | | | |

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## LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: IV/I** **Section-A**

| S.NO | Roll No | OPEN ELECTIVE ELECTIVE-III<br>1. Additive Manufacturing<br>2. Mechatronics<br>3. Finite element methods<br>4. Introduction to artificial intelligence & machine learning | | | | |
|---|---|---|---|---|---|---|
| | | **AM** | **Mechatronics** | **FEM** | **IAM** | **STUDENT SIGNATURE** |
| 30 | 21X45A0112 | | ✓ | | | K. Soumya |
| 31 | 21X45A0113 | ✓ | | | | M. Gruthan |
| 32 | 21X45A0114 | ✓ | | | | M. Durga |
| 33 | 21X45A0115 | ✓ | | | | M. Balakrishna |
| 34 | 21X45A0116 | ✓ | | | | M. Naveen |
| 35 | 21X45A0117 | ✓ | | | | N. Ganesh |
| 36 | 21X45A0118 | | | | ✓ | D. Preethiraj |
| 37 | 21X45A0119 | ✓ | | | | Pravasi |
| 38 | 21X45A0120 | ✓ | | | | P. Bhanu |
| 39 | 21X45A0121 | ✓ | | | | P. Yashwanth |
| 40 | 21X45A0122 | ✓ | | | | R. Pavani |
| 41 | 21X45A0123 | | | | ✓ | S Balaji |
| 42 | 21X45A0124 | | | | ✓ | SK. Sameer |
| 43 | 21X45A0125 | ✓ | | | | T. Jagadeesh |
| 44 | 21X45A0126 | ✓ | | | | T. Sai Pavan |
| 45 | 21X45A0127 | ✓ | | | | V. Raswanth |
| 46 | 21X45A0128 | ✓ | | | | Vijay Kumar |
| 47 | 21X45A0129 | ✓ | | | | V. Srinadh |
| 48 | 21X45A0130 | ✓ | | | | Y. Anil |
| 49 | 21X45A0131 | ✓ | | | | |
| 50 | 21X45A0132 | ✓ | | | | |
| 51 | 21X45A0133 | ✓ | | | | G. Manohar |

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## LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: IV/I** **Section-A**

| S.NO | Roll No | OPEN ELECTIVE-IV<br>1. Optimization Techniques (OT)<br>2. Smart Manufacturing (SM)<br>3. Safety Engineering (SE)<br>4. Operations Management (OE) | | | | |
|---|---|---|---|---|---|---|
| | | **OT** | **SM** | **SE** | **OM** | **STUDENT SIGNATURE** |
| 1 | 20X41A0101 | | | ✓ | | N. Mahith |
| 2 | 20X41A0102 | | | ✓ | | B. Pitchi |
| 3 | 20X41A0103 | | | ✓ | | D. Manikanta |
| 4 | 20X41A0104 | | | ✓ | | B. Feroz |
| 5 | 20X41A0105 | | | ✓ | | CH Sai |
| 6 | 20X41A0106 | | | ✓ | | G. Chaitanya |
| 7 | 20X41A0107 | | | ✓ | | K. Vijay |
| 8 | 20X41A0108 | | | ✓ | | K. Venni |
| 9 | 20X41A0109 | | | ✓ | | Bhavindra |
| 10 | 20X41A0110 | | | ✓ | | N. Rishi |
| 11 | 20X41A0111 | | | ✓ | | |
| 12 | 20X41A0112 | | | ✓ | | V. Mahesh |
| 13 | 20X41A0113 | | | ✓ | | N. Jithesh |
| 14 | 20X41A0114 | | | ✓ | | Vamsi |
| 15 | 20X41A0115 | | | ✓ | | P. Sandeep |
| 16 | 20X41A0116 | | | ✓ | | Ajay |
| 17 | 20X41A0117 | | | ✓ | | Meghana |
| 18 | 20X41A0118 | | | ✓ | | V.V. Sai Harshitha |
| 19 | 21X45A0101 | | | ✓ | | A. Bhuvaneswari |
| 20 | 21X45A0102 | | | ✓ | | A. Padma |
| 21 | 21X45A0103 | | | ✓ | | A. Rajya |
| 22 | 21X45A0104 | | | ✓ | | B. Durga |
| 23 | 21X45A0105 | | | ✓ | | D. Sandeep |
| 24 | 21X45A0106 | | | ✓ | | D. Sumanjali |
| 25 | 21X45A0107 | | | ✓ | | G. Vidhyadhar |
| 26 | 21X45A0108 | | | ✓ | | J. Pravallika |
| 27 | 21X45A0109 | | | ✓ | | K. Yogesh |
| 28 | 21X45A0110 | | | ✓ | | K. Soumya |
| 29 | 21X45A0111 | | | ✓ | | |

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## LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: IV/I** **Section-A**

| S.NO | Roll No | OPEN ELECTIVE-IV<br>1. Optimization Techniques (OT)<br>2. Smart Manufacturing (SM)<br>3. Safety Engineering (SE)<br>4. Operations Management (OE) | | | | |
|---|---|---|---|---|---|---|
| | | **OT** | **SM** | **SE** | **OM** | **STUDENT SIGNATURE** |
| 30 | 21X45A0112 | | ✓ | | | K. Soumya |
| 31 | 21X45A0113 | | ✓ | | | M. Gowtham |
| 32 | 21X45A0114 | | ✓ | | | M. Durga Prasad |
| 33 | 21X45A0115 | | | ✓ | | M. Bhuvan |
| 34 | 21X45A0116 | | | ✓ | | M. Naveen |
| 35 | 21X45A0117 | | | ✓ | | N. Ramya |
| 36 | 21X45A0118 | | ✓ | | | N. Sudheer |
| 37 | 21X45A0119 | | ✓ | | | P. Vamsi |
| 38 | 21X45A0120 | | | ✓ | | P. Bhanu |
| 39 | 21X45A0121 | | | ✓ | | P. Yashwanth |
| 40 | 21X45A0122 | | | ✓ | | R. Pavani |
| 41 | 21X45A0123 | | | ✓ | | S. Balaji |
| 42 | 21X45A0124 | | | ✓ | | SK. Sameer |
| 43 | 21X45A0125 | | | ✓ | | T. Jasdeep |
| 44 | 21X45A0126 | | | ✓ | | T. Sai Raven |
| 45 | 21X45A0127 | | | ✓ | | V. Baswanth |
| 46 | 21X45A0128 | | | ✓ | | V. Vijay Kum |
| 47 | 21X45A0129 | | | ✓ | | V. Srinadh |
| 48 | 21X45A0130 | | | ✓ | | Y. Chandu |
| 49 | 21X45A0131 | | | ✓ | | Praveen |
| 50 | 21X45A0132 | | | ✓ | | Jagadish |
| 51 | 21X45A0133 | | | ✓ | | G. Mandhar |

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## LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: IV/I** **Section-A**

| S.NO | Roll No | PROFESSIONAL ELECTIVE-III<br>1. Advanced Structural Engineering (ASE)<br>2. Bridge Engineering (BE)<br>3. Structural Dynamics (SD)<br>4. Urban Transport Planning (UTP) | | | | |
|---|---|---|---|---|---|---|
| | | **ASE** | **BE** | **SD** | **UTP** | **STUDENT SIGNATURE** |
| 1 | 20X41A0101 | | | | ✓ | |
| 2 | 20X41A0102 | | | | ✓ | V. Mohith |
| 3 | 20X41A0103 | | | | ✓ | B. S. Ethel |
| 4 | 20X41A0104 | | | | ✓ | Mariam |
| 5 | 20X41A0105 | | | | ✓ | Feros |
| 6 | 20X41A0106 | | | | ✓ | Ch. Sai |
| 7 | 20X41A0107 | | | | ✓ | G. Chaitanya |
| 8 | 20X41A0108 | | | | ✓ | K. V. [illegible] |
| 9 | 20X41A0109 | | | | ✓ | K. Ramesh |
| 10 | 20X41A0110 | | | | ✓ | Bhagirathi |
| 11 | 20X41A0111 | | | | ✓ | Nikhil |
| 12 | 20X41A0112 | | | | ✓ | — |
| 13 | 20X41A0113 | | | | ✓ | V. Mahesh |
| 14 | 20X41A0114 | | | | ✓ | N. [illegible] |
| 15 | 20X41A0115 | | | | ✓ | Vamsi |
| 16 | 20X41A0116 | | | | ✓ | Sandeep |
| 17 | 20X41A0117 | | | | ✓ | Ajay |
| 18 | 20X41A0118 | | | | ✓ | Megha |
| 19 | 21X45A0101 | | | | ✓ | V. V. Sai Rajendra Reddy |
| 20 | 21X45A0102 | | | | ✓ | A. Bhuvaneswari |
| 21 | 21X45A0103 | | | | ✓ | A. Padma |
| 22 | 21X45A0104 | | | | ✓ | A. Sravya |
| 23 | 21X45A0105 | | | | ✓ | O. Durga Prasad |
| 24 | 21X45A0106 | | | | ✓ | D. Sandeep |
| 25 | 21X45A0107 | | ✓ | | ✓ | B. Sivaram Teja |
| 26 | 21X45A0108 | | | | ✓ | Ganesh |
| 27 | 21X45A0109 | | | | ✓ | G. Vidhya Rao |
| 28 | 21X45A0110 | | | | ✓ | T. Pavani |
| 29 | 21X45A0111 | | | | ✓ | K. Yogesh |
| | | | | | ✓ | K. Soumya |

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## LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: IV/I** **Section-A**

| S.NO | Roll No | PROFESSIONAL ELECTIVE-III<br>1. Advanced Structural Engineering (ASE)<br>2. Bridge Engineering (BE)<br>3. Structural Dynamics (SD)<br>4. Urban Transport Planning (UTP) | | | | |
|---|---|---|---|---|---|---|
| | | **ASE** | **BE** | **SD** | **UTP** | **STUDENT SIGNATURE** |
| 30 | 21X45A0112 | | | | ✓ | K. Soumya |
| 31 | 21X45A0113 | | | | ✓ | CH. Goutham |
| 32 | 21X45A0114 | | | | ✓ | M. Durga |
| 33 | 21X45A0115 | | | | ✓ | M. Rahul Kumar |
| 34 | 21X45A0116 | | ✓ | | | M. Naveen |
| 35 | 21X45A0117 | | | | ✓ | N. Kamesh |
| 36 | 21X45A0118 | | | | ✓ | M. pradhima |
| 37 | 21X45A0119 | | | | ✓ | P. vamsi |
| 38 | 21X45A0120 | | | | ✓ | P. Bhanu |
| 39 | 21X45A0121 | | | | ✓ | A. yashwanth |
| 40 | 21X45A0122 | | | | ✓ | R. PAVANI |
| 41 | 21X45A0123 | | | | ✓ | S. Balaji |
| 42 | 21X45A0124 | | | | ✓ | SK Sameer |
| 43 | 21X45A0125 | | | | ✓ | T. Jagadeesh |
| 44 | 21X45A0126 | | | | ✓ | |
| 45 | 21X45A0127 | | | | ✓ | V. Baswanth |
| 46 | 21X45A0128 | | | | ✓ | V. Vijaykumar |
| 47 | 21X45A0129 | | | | ✓ | Y. Srinadh |
| 48 | 21X45A0130 | | | | ✓ | |
| 49 | 21X45A0131 | | | | ✓ | |
| 50 | 21X45A0132 | | | | ✓ | |
| 51 | 21X45A0133 | | | | ✓ | G. Mahesh |

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## LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: IV/I** **Section-A**

| S.NO | Roll No | PROFESSIONAL ELECTIVE-IV<br>1. Ground improvement Techniques (GIT)<br>2. Geo-spatial Technologies (GST)<br>3. Disaster management & mitigation (DMM)<br>4. Soil dynamics and machine foundations (SD&MF) | | | | |
|---|---|---|---|---|---|---|
| | | **GIT** | **GST** | **DMM** | **SD&MF** | **STUDENT SIGNATURE** |
| 1 | 20X41A0101 | | | ✓ | | V. Mohith |
| 2 | 20X41A0102 | | | ✓ | | B.S. Ithesh |
| 3 | 20X41A0103 | | | ✓ | | Manikanta Reddy T |
| 4 | 20X41A0104 | | | ✓ | | Ch. Sai G. Chaitanya |
| 5 | 20X41A0105 | | | ✓ | | K.V.D |
| 6 | 20X41A0106 | | | ✓ | | K. Veerasi Bhavendra |
| 7 | 20X41A0107 | | | ✓ | | Nikhil |
| 8 | 20X41A0108 | | | ✓ | | — |
| 9 | 20X41A0109 | | | ✓ | | V. Mahesh |
| 10 | 20X41A0110 | | | ✓ | | N. Sathish |
| 11 | 20X41A0111 | | | ✓ | | Varun |
| 12 | 20X41A0112 | | | ✓ | | Sandeep |
| 13 | 20X41A0113 | | | ✓ | | A. Jay |
| 14 | 20X41A0114 | | ✓ | | | Megha |
| 15 | 20X41A0115 | | | ✓ | | V.V. Sai Ravi Teja |
| 16 | 20X41A0116 | | | ✓ | | A. Bhuvaneswar |
| 17 | 20X41A0117 | | | ✓ | | A. Padma |
| 18 | 20X41A0118 | | | ✓ | | A. Soya |
| 19 | 21X45A0101 | | | ✓ | | D. Owais Ahmed |
| 20 | 21X45A0102 | | | ✓ | | T. Sandeep |
| 21 | 21X45A0103 | | | ✓ | | D. Suman Teja |
| 22 | 21X45A0104 | | | ✓ | | Ganesh |
| 23 | 21X45A0105 | | | ✓ | | G. Vishnu Rao |
| 24 | 21X45A0106 | | | ✓ | | T. Pravallika |
| 25 | 21X45A0107 | | | ✓ | | |
| 26 | 21X45A0108 | | | ✓ | | K. Soumya. |
| 27 | 21X45A0109 | | | ✓ | | |
| 28 | 21X45A0110 | | | ✓ | | |
| 29 | 21X45A0111 | | | ✓ | | |

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## LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: IV/I** **Section-A**

| S.NO | Roll No | PROFESSIONAL ELECTIVE-IV<br>1. Ground improvement Techniques (GIT)<br>2. Geo-spatial Technologies (GST)<br>3. Disaster management & mitigation (DMM)<br>4. Soil dynamics and machine foundations (SD&MF) | | | | |
|---|---|---|---|---|---|---|
| | | **GIT** | **GST** | **DMM** | **SD&MF** | **STUDENT SIGNATURE** |
| 30 | 21X45A0112 | | | ✓ | | |
| 31 | 21X45A0113 | | ✓ | | | |
| 32 | 21X45A0114 | | | ✓ | | |
| 33 | 21X45A0115 | | | ✓ | | |
| 34 | 21X45A0116 | | | ✓ | | |
| 35 | 21X45A0117 | | | ✓ | | |
| 36 | 21X45A0118 | | | ✓ | | |
| 37 | 21X45A0119 | | | ✓ | | |
| 38 | 21X45A0120 | | | ✓ | | |
| 39 | 21X45A0121 | | | ✓ | | |
| 40 | 21X45A0122 | | | ✓ | | |
| 41 | 21X45A0123 | | | ✓ | | |
| 42 | 21X45A0124 | | | ✓ | | |
| 43 | 21X45A0125 | | | ✓ | | |
| 44 | 21X45A0126 | | | ✓ | | |
| 45 | 21X45A0127 | | | ✓ | | |
| 46 | 21X45A0128 | | | ✓ | | |
| 47 | 21X45A0129 | | | ✓ | | |
| 48 | 21X45A0130 | | | ✓ | | |
| 49 | 21X45A0131 | | | ✓ | | |
| 50 | 21X45A0132 | | ✓ | | | |
| 51 | 21X45A0133 | | | ✓ | | |

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## LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: IV/I** **Section-A**

| S.NO | Roll No | PROFESSIONAL ELECTIVE-V<br>1. Design and drawing of irrigation structures (DDIS)<br>2. Earth & rockfill Dams (ERD)<br>3. Urban Hydrology (UH)<br>4. SWAYM/MOOCS | | | | |
|---|---|---|---|---|---|---|
| | | **DDIS** | **ERD** | **UH** | **SWAYAM** | **STUDENT SIGNATURE** |
| 1 | 20X41A0101 | ✓ | | | | |
| 2 | 20X41A0102 | ✓ | | | | |
| 3 | 20X41A0103 | ✓ | | | | |
| 4 | 20X41A0104 | | ✓ | | | |
| 5 | 20X41A0105 | | | | ✓ | |
| 6 | 20X41A0106 | ✓ | | | | |
| 7 | 20X41A0107 | ✓ | | | | |
| 8 | 20X41A0108 | | | | | |
| 9 | 20X41A0109 | ✓ | | | | |
| 10 | 20X41A0110 | ✓ | | | | |
| 11 | 20X41A0111 | ✓ | | | | |
| 12 | 20X41A0112 | ✓ | | | | |
| 13 | 20X41A0113 | ✓ | | | | |
| 14 | 20X41A0114 | ✓ | | | | |
| 15 | 20X41A0115 | ✓ | | | | |
| 16 | 20X41A0116 | ✓ | | | | |
| 17 | 20X41A0117 | | | | ✓ | |
| 18 | 20X41A0118 | ✓ | | | ✓ | |
| 19 | 21X45A0101 | ✓ | | | | |
| 20 | 21X45A0102 | ✓ | | | | |
| 21 | 21X45A0103 | | | | | |
| 22 | 21X45A0104 | ✓ | | | | |
| 23 | 21X45A0105 | ✓ | | | | |
| 24 | 21X45A0106 | ✓ | | | | |
| 25 | 21X45A0107 | ✓ | | | | |
| 26 | 21X45A0108 | ✓ | | | | |
| 27 | 21X45A0109 | ✓ | | | | |
| 28 | 21X45A0110 | ✓ | | | | |
| 29 | 21X45A0111 | ✓ | | | | |

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## LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: IV/I** **Section-A**

| S.NO | Roll No | PROFESSIONAL ELECTIVE- V<br>1. Design and drawing of irrigation structures (DDIS)<br>2. Earth & rockfill Dams (ERD)<br>3. Urban Hydrology (UH)<br>4. SWAYM/MOOCS | | | | |
|---|---|---|---|---|---|---|
| | | **DDIS** | **ERD** | **UH** | **SWAYAM** | **STUDENT SIGNATURE** |
| 30 | 21X45A0112 | ✓ | | | | K Sowmya |
| 31 | 21X45A0113 | ✓ | | | | M. Goutham |
| 32 | 21X45A0114 | ✓ | | | | |
| 33 | 21X45A0115 | ✓ | | | | K. Rahul |
| 34 | 21X45A0116 | ✓ | | | | N. Naveen |
| 35 | 21X45A0117 | ✓ | | | | N. Kamal |
| 36 | 21X45A0118 | ✓ | | | | N. Prudhvi |
| 37 | 21X45A0119 | ✓ | | | | D. Vamsi |
| 38 | 21X45A0120 | ✓ | | | | P. Bhanu |
| 39 | 21X45A0121 | ✓ | | | | P. Yashwanth |
| 40 | 21X45A0122 | ✓ | | | | R. Pavani |
| 41 | 21X45A0123 | ✓ | | | | S. Balaji |
| 42 | 21X45A0124 | ✓ | | | | Sk Sameer |
| 43 | 21X45A0125 | ✓ | | | | T Jaaseela |
| 44 | 21X45A0126 | ✓ | | | | |
| 45 | 21X45A0127 | ✓ | | | | V. Basavanth |
| 46 | 21X45A0128 | ✓ | | | | V. Vijaykumar |
| 47 | 21X45A0129 | ✓ | | | | V. Srinadh |
| 48 | 21X45A0130 | | | | ✓ | Y. Durga |
| 49 | 21X45A0131 | ✓ | | | | T. Prem |
| 50 | 21X45A0132 | ✓ | | | | |
| 51 | 21X45A0133 | ✓ | | | | G. Manohar |

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA–533003, Andhra Pradesh, India
## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### III B.Tech – I Semester

| Sl. No | Course Components | Subjects | L | T | P | Credits |
|---|---|---|---|---|---|---|
| 1 | PCC | Power Systems-II | 3 | 0 | 0 | 3 |
| 2 | PCC | Power Electronics | 3 | 0 | 0 | 3 |
| 3 | PCC | Control Systems | 3 | 0 | 0 | 3 |
| 4 | OEC | Open Elective- I/ Job Oriented Elective-I | 3 | 0 | 0 | 3 |
| 5 | PEC | Professional Elective - I | 3 | 0 | 0 | 3 |
| 6 | PCC | Control Systems Lab | 0 | 0 | 3 | 1.5 |
| 7 | PCC | Power Electronics Lab | 0 | 0 | 3 | 1.5 |
| 8 | SC | Soft Skill Course:Employability Skills | 2 | 0 | 0 | 2 |
| 9 | MC | Environmental Science | 2 | 0 | 0 | 0 |
| 10 | PROJ | Summer Internship 2 Months (Mandatory) after second year (to be evaluated during V semester) | 0 | 0 | 0 | 1.5 |
| | | **TotalCredits** | **21.5** | | | |
| | | Minors Course* | 4 | 0 | 0 | 4 |
| | | Honors Course* | 4 | 0 | 0 | 4 |

### III B.Tech – II Semester

| Sl. No | Course Components | Subjects | L | T | P | Credits |
|---|---|---|---|---|---|---|
| 1 | PCC | Microprocessors and Microcontrollers | 3 | 0 | 0 | 3 |
| 2 | PCC | Electrical Measurements and Instrumentation | 3 | 0 | 0 | 3 |
| 3 | PCC | Power System Analysis | 3 | 0 | 0 | 3 |
| 4 | PEC | Professional Elective - II | 3 | 0 | 0 | 3 |
| 5 | OEC | Open Elective –II/ Job Oriented Elective-II | 3 | 0 | 0 | 3 |
| 6 | PCC | Electrical Measurements and Instrumentation Lab | 0 | 0 | 3 | 1.5 |
| 7 | PCC | Microprocessors and Microcontrollers Lab | 0 | 0 | 3 | 1.5 |
| 8 | PCC | Power Systems and Simulation Lab | 0 | 0 | 3 | 1.5 |
| 9 | SC | **Skill Advanced Course:** Machine Learning with Python | 2 | 0 | 0 | 2 |
| 10 | MC | Research Methodology | 2 | 0 | 0 | 0 |
| | | **Total Credits** | **21.5** | | | |
| | | Minors Course* | 4 | 0 | 0 | 4 |
| | | Honors Course* | 4 | 0 | 0 | 4 |

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA–533003, Andhra Pradesh, India
## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**Professional Elective Subjects offered to EEE Branch Students:**

**Professional Elective – I:**

1. Linear IC Applications
2. Utilization of Electrical Energy
3. Computer Architecture and Organization
4. Optimization Techniques
5. Object Oriented Programming through Java

**Professional Elective – II:**

1. Signal and Systems
2. Electric Drives
3. Advanced Control Systems
4. Switchgear and Protection
5. Big Data Analytics

**Professional Elective –III:**

1. Digital Signal Processing
2. Renewable and Distributed Energy Technologies
3. Flexible Alternating Current Transmission Systems
4. Power Systems Deregulation
5. Data Base Management Systems

**Professional Elective – IV:**

1. Hybrid Electric Vehicles
2. High Voltage Engineering
3. Programmable Logic Controllers and Applications
4. Cloud Computing with AWS
5. Deep Learning Techniques

**Professional Elective – V:**

1. Power System Operation and Control
2. Switched Mode Power Conversion
3. AI Applications toElectrical Engineering
4. Data Science
5. MEAN Stack Technologies

**Open Electives offered by EEE Department for Other Branches (Except EEE Branch)**

**Open Elective-I:**

1. Renewable Energy Sources
2. Concepts of Optimization Techniques
3. Concepts of Control Systems

**Open Elective-II:**

1. Battery Management Systems and Charging Stations
2. Fundamentals of utilization of Electrical Energy
3. Indian Electricity Act

**Open Elective-III:**

1. Concepts of Microprocessors and Microcontrollers
2. Fundamentals of Electric Vehicles
3. Concepts of Internet of Things

**Open Elective-IV:**

1. Concepts of Power System Engineering
2. Concepts of Smart Grid Technologies

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**Open Electives to be offered by CSE for other Branches:**

| | |
|---|---|
| **Open Elective-I:**<br>1. Data Structures<br>2. Object Oriented Programming through JAVA<br>3. Data Base Management Systems<br>4. Computer Graphics<br>5. Advanced UNIX Programming<br>6. Computer Organization and Architecture<br>7. Operating Systems | **Open Elective-II:**<br>1. Python Programming<br>2. Web Technologies<br>3. Soft Computing<br>4. Distributed Computing<br>5. AI and ML for Robotics<br>6. Computer Networks<br>7. Big Data Analytics<br>8. Computational Tools |
| **Open Elective-III:**<br>1. AI Tools & Techniques<br>2. Image Processing<br>3. Information Security<br>4. Mobile Application Development<br>5. Data Science<br>6. Cyber Security<br>7. Introduction to Internet of Things | **Open Elective-IV:**<br>1. MEAN Stack Technologies<br>2. Deep Learning Techniques<br>3. Cloud computing with AWS<br>4. Block Chain Technologies<br>5. Cryptography & Network Security<br>6. Introduction to Machine Learning<br>7. Machine Learning with Python |

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| | | |
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Date: 16-11-2023

## CIRCULAR

The following Elective Subjects are offered for III/IV B.TECH II Semester, Electrical and Electronics Engineering students for the academic year 2023-2024. Hence all the students are instructed to choose an Professional Elective-II and Open Elective-II subjects among the options in the given format on or before 20-11-2023.The details of the syllabus are enclosed.

**PROFESSIONAL ELECTIVE-II**

1. Signals and Systems
2. Electric Drives
3. Advanced Control Systems
4. Switchgear and Protection
5. Big Data Analytics

**OPEN ELECTIVE-II**

1. Disaster Management(CIVIL)
2. Computer Networks(CSE)
3. IOT and Applications(ECE)
4. Industrial Robotics (Mech)

16/11/23
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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**SRKIT / EEE / 73**

**Academic Year: 2023-2024** **Year/Semester: III/II**

| S. No | ROLL NO | Professional Elective - II | | | | | Signature |
|---|---|---|---|---|---|---|---|
| | | Signal and Systems | Electric Drives | Advanced control systems | Switch gear and protection | Big Data Analysis | |
| 1 | 21X41A0201 | | | | ✓ | | Akalya |
| 2 | 21X41A0203 | | | | ✓ | | Yogitha |
| 3 | 21X41A0204 | | | | ✓ | | Tanuja |
| 4 | 21X41A0205 | | | | ✓ | | D. Sunil |
| 5 | 21X41A0206 | | | ✓ | | | G. Anusha |
| 6 | 21X41A0208 | | | | ✓ | | Sai Jaswanth |
| 7 | 21X41A0209 | | | | ✓ | | Naveen |
| 8 | 21X41A0210 | | | | ✓ | | Bhavani |
| 9 | 21X41A0211 | | ✓ | | | | M.V. Gopi |
| 10 | 21X41A0212 | ✓ | | | | | Prathyusha |
| 11 | 21X41A0213 | | | | ✓ | | Dayal |
| 12 | 21X41A0215 | | | | ✓ | | P. Rohit |
| 13 | 21X41A0216 | | | | ✓ | | Yamuna |
| 14 | 21X41A0218 | | | | ✓ | | Zabiullah |
| 15 | 21X41A0219 | | | ✓ | | | Bharath |
| 16 | 21X41A0220 | | | | ✓ | | V. Vishnu |
| 17 | 21X41A0221 | | | | ✓ | | V. Sivaji Ganesh |
| 18 | 22X45A0201 | | | | ✓ | | Sanjeev |
| 19 | 22X45A0202 | | | | ✓ | | Tagun |
| 20 | 22X45A0203 | | | | ✓ | | B. Moses |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 21 | 22X45A0204 | | | | ✓ | | Ch. Teja |
| 22 | 22X45A0205 | | | | ✓ | | Prabhath |
| 23 | 22X45A0207 | | | ✓ | | | S. V. Kuma |
| 24 | 22X45A0208 | | | | ✓ | | Gopal |
| 25 | 22X45A0209 | | | | ✓ | | K. Karthikeya |
| 26 | 22X45A0210 | | | | ✓ | | K. Jayadeep |
| 27 | 22X45A0211 | | | | ✓ | | M. Sai |
| 28 | 22X45A0212 | ✓ | | | | | R. Sai |
| 29 | 22X45A0213 | | | | ✓ | | Venkatesh |
| 30 | 22X45A0214 | | | | ✓ | | Sk. Fareeha |
| 31 | 22X45A0215 | | | ✓ | | | Sk. Faseeha |
| 32 | 22X45A0216 | | | | ✓ | | Sk. Zakira |
| 33 | 22X45A0217 | | ✓ | | | | Sk. Omar Farooq |
| 34 | 22X45A0218 | | | | | ✓ | J. Harish |
| 35 | 22X45A0219 | | | | ✓ | | Narayana |
| 36 | 22X45A0220 | | | | | | A. Tagore |
| 37 | 22X45A0221 | | | | ✓ | | Deepa |
| 38 | 22X45A0222 | | | | ✓ | | Sael |
| 39 | 22X45A0223 | | | | ✓ | | A. Tarak |
| 40 | 22X45A0224 | | | | ✓ | | Sujanya |
| 41 | 22X45A0225 | | | | ✓ | | O. Ganesh |
| 42 | 22X45A0226 | | | | ✓ | | P. Sri Lakshmi |
| 43 | 22X45A0227 | | | | ✓ | | P. V. Teja |
| 44 | 22X45A0228 | | | | ✓ | | Sk. Haneef |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 45 | 22X45A0229 | | | | ✓ | | Akhil |
| 46 | 22X45A0230 | | | | ✓ | | Madhu |
| 47 | 22X45A0231 | | | | | ✓ | F Enosh |

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**SRKIT / EEE / 73**

**Academic Year: 2023-2024** **Year/Semester: III/II**

| S. No | ROLL NO | Open Elective - II | | | | Signature |
|---|---|---|---|---|---|---|
| | | Disaster Management | Computer Network | IOT and Applications | Industrial Robotics | |
| 1 | 21X41A0201 | | ✓ | | | A. Kalyan |
| 2 | 21X41A0203 | | ✓ | | | Yogitha |
| 3 | 21X41A0204 | | ✓ | | | Tanusha |
| 4 | 21X41A0205 | | | ✓ | | D. Sruthi |
| 5 | 21X41A0206 | | ✓ | | | G. Anusha |
| 6 | 21X41A0208 | | ✓ | | | Sai Pavan |
| 7 | 21X41A0209 | | | ✓ | | Naveen |
| 8 | 21X41A0210 | | ✓ | | | Bhavani |
| 9 | 21X41A0211 | | ✓ | | | M.V. Chopi |
| 10 | 21X41A0212 | | | | ✓ | Prathyusha |
| 11 | 21X41A0213 | | ✓ | | | Daya |
| 12 | 21X41A0215 | | ✓ | | | P. Rohit |
| 13 | 21X41A0216 | ✓ | | | | Yamuna |
| 14 | 21X41A0218 | | ✓ | | | Zabiullah |
| 15 | 21X41A0219 | | ✓ | | | Bharath |
| 16 | 21X41A0220 | | ✓ | | | V. Vishnu |
| 17 | 21X41A0221 | | ✓ | | | M. Sivaji Ganesh |
| 18 | 22X45A0201 | | ✓ | | | Sanjeev |
| 19 | 22X45A0202 | | ✓ | | | Tarun |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 20 | 22X45A0203 | | ✓ | | | B. Moses. |
| 21 | 22X45A0204 | | ✓ | | | ch. Teja |
| 22 | 22X45A0205 | | | ✓ | | Prabhath |
| 23 | 22X45A0207 | | ✓ | | | J. V. kumar |
| 24 | 22X45A0208 | | ✓ | | | Gopal |
| 25 | 22X45A0209 | | ✓ | | | K. Karthikeya |
| 26 | 22X45A0210 | | | ✓ | | K. Jayadeep |
| 27 | 22X45A0211 | | ✓ | | | M. Sai Rohit |
| 28 | 22X45A0212 | ✓ | | | | R. Sai |
| 29 | 22X45A0213 | | ✓ | | | Venkatesh |
| 30 | 22X45A0214 | | ✓ | | | sk. Fareeha |
| 31 | 22X45A0215 | | ✓ | | | sk. Faseeha |
| 32 | 22X45A0216 | | ✓ | | | Sk. Zakia |
| 33 | 22X45A0217 | | | ✓ | | sk. Omar Farooq |
| 34 | 22X45A0218 | | | | ✓ | Harish |
| 35 | 22X45A0219 | | ✓ | | | Narayana |
| 36 | 22X45A0220 | ✓ | | | | A. Tangore |
| 37 | 22X45A0221 | | ✓ | | | Kavya |
| 38 | 22X45A0222 | | ✓ | | | Jack |
| 39 | 22X45A0223 | | ✓ | | | G. Varak. |
| 40 | 22X45A0224 | | | | ✓ | Sanjana |
| 41 | 22X45A0225 | | ✓ | | | O. Ganesh |
| 42 | 22X45A0226 | | | ✓ | | P. Sai Lakshmi |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 43 | 22X45A0227 | | ✓ | | | PV.teja |
| 44 | 22X45A0228 | | ✓ | | | Sk-Idrees |
| 45 | 22X45A0229 | | | | ✓ | Akhil |
| 46 | 22X45A0230 | | ✓ | | | Madhu |
| 47 | 22X45A0231 | | ✓ | | | E. Enosh |

16/11/23
HoD/Date

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Date: 20-11-2023

## CIRCULAR

This is to inform all the students of III/II B.TECH, Electrical and Electronics Engineering, as per the majority of students opted, Departmental Academic Committee decided to offer **Computer Network** subject as an Open Elective-II for the academic year 2023-24, II Semester.

20/11/23
HoD/Date

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Date: 20-11-2023

## CIRCULAR

This is to inform all the students of III/II B.TECH, Electrical and Electronics Engineering, as per the majority of students opted, Departmental Academic Committee decided to offer **Switch Gear and Protection subject** as an Professional Elective-II for the academic year 2023-24, II Semester.

20/11/23
HoD/Date

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# SRK INSTITUTE OF TECHNOLOGY

**Enikepadu, Vijayawada 521108**

**Department of Electrical and Electronics Engineering**

SRKIT / EEE / 73

Date: 14-03-2023

## CIRCULAR

The following Elective Subjects are offered for III/IV B.TECH I Semester, Electrical and Electronics Engineering students for the academic year 2023-2024. Hence all the students are instructed to choose an Professional Elective-I and Open Elective-I subjects among the options in the given format on or before 17-03-2023.The details of the syllabus are enclosed.

### PROFESSIONAL ELECTIVE-I

1. Linear IC Applications
2. Utilization of electrical energy
3. Computer architecture and organization
4. Optimization techniques
5. Object oriented programming through Java

### OPEN ELECTIVE-I

1. Nano Technology(Mech)
2. Industrial Electronics(ECE)
3. Object Oriented Programming through Java (CSE)
4. Strength of Materials (CIVIL)

14/3/23

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Department of Electrical and Electronics Engineering

LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

SRKIT / EEE / 73

**Academic Year: 2023-2024**

**Year/Semester: III/I**

| S No | ROLL NO | Open Elective-I | | | | Signature |
|---|---|---|---|---|---|---|
| | | Strength of Materials | Object Oriented Programming through Java | Nano Technology | Industrial Electronics | |
| 1 | 21X41A0201 | | ✓ | | | A. kalyan |
| 2 | 21X41A0202 | | ✓ | | | A. Lohitha |
| 3 | 21X41A0203 | | ✓ | | | D. Yogitha |
| 4 | 21X41A0204 | | ✓ | | | |
| 5 | 21X41A0205 | | ✓ | | | |
| 6 | 21X41A0206 | | | ✓ | | |
| 7 | 21X41A0208 | | ✓ | | | G. Amulya |
| 8 | 21X41A0209 | | ✓ | | | |
| 9 | 21X41A0210 | ✓ | | | | |
| 10 | 21X41A0211 | | ✓ | | | L. Teja Sri |
| 11 | 21X41A0212 | | ✓ | | | |
| 12 | 21X41A0213 | | ✓ | | | N. Kathyusha |
| 13 | 21X41A0214 | | ✓ | | | N. Dayan |
| 14 | 21X41A0215 | | ✓ | | | |
| 15 | 21X41A0216 | | ✓ | | | |
| 16 | 21X41A0218 | ✓ | | | | Zabiullah |
| 17 | 21X41A0219 | | | ✓ | | Bharath |
| 18 | 21X41A0220 | | | | ✓ | |

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# SRK INSTITUTE OF TECHNOLOGY

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Department of Electrical and Electronics Engineering

LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

SRKIT / EEE / 73

**Academic Year: 2023-2024**

**Year/Semester: III/I**

| S No | ROLL NO | Open Elective-I | | | | Signature |
|---|---|---|---|---|---|---|
| | | Strength of Materials | Object Oriented Programming through Java | Nano Technology | Industrial Electronics | |
| 19 | 21X41A0221 | | ✓ | | | Gowthan Sai |
| 20 | 22X45A0201 | | ✓ | | | A. Sanjeev |
| 21 | 22X45A0202 | | | | | A. Tasun |
| 22 | 22X45A0203 | | ✓ | | | B. Moses |
| 23 | 22X45A0204 | | ✓ | | | Tejakumar |
| 24 | 22X45A0205 | | | ✓ | | Prabhat |
| 25 | 22X45A0207 | | ✓ | | ✓ | Vijay Kumar |
| 26 | 22X45A0208 | | | ✓ | | Rishi |
| 27 | 22X45A0209 | | ✓ | | | Kashika |
| 28 | 22X45A0210 | ✓ | | | | Jaydeep |
| 29 | 22X45A0211 | | ✓ | | | Rohith Sai |
| 30 | 22X45A0212 | | ✓ | | | Sasi Kumar |
| 31 | 22X45A0213 | | ✓ | | | Venkatesh |
| 32 | 22X45A0214 | | | | ✓ | Fareeha |
| 33 | 22X45A0215 | | ✓ | | | Fakir |
| 34 | 22X45A0216 | | ✓ | | | Jafri |
| 35 | 22X45A0217 | ✓ | | | | Farooq Sk |
| 36 | 22X45A0218 | | ✓ | | | Harish. V |
| 37 | 22X45A0219 | | ✓ | | | Ramnarayana |
| 38 | 22X45A0220 | | ✓ | | | Tagore |

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## LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

SRKIT / EEE / 73

| | | | | | | |
|---|---|---|---|---|---|---|
| 39 | 22X45A0221 | | ✓ | | | D.krupa. |
| 40 | 22X45A0222 | | ✓ | | | Lei |
| 41 | 22X45A0223 | ✓ | | | | Saik |
| 42 | 22X45A0224 | | ✓ | | | Soun |
| 43 | 22X45A0225 | | ✓ | | | Gana |
| 44 | 22X45A0226 | | ✓ | | | Soig |
| 45 | 22X45A0227 | | | ✓ | | Venkateshg. |
| 46 | 22X45A0228 | | ✓ | | | Hanay |
| 47 | 22X45A0229 | | | | ✓ | Akhil |
| 48 | 22X45A0230 | | ✓ | | | Madhu |
| 49 | 22X45A0231 | | ✓ | | | enosh |

HOD/Date 14/3/23

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Department of Electrical and Electronics Engineering

LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

SRKIT / EEE / 73

**Academic Year: 2023-2024**

**Year/Semester: III/I**

| S No | ROLL NO | Professional Elective - I | | | | | Signature |
|---|---|---|---|---|---|---|---|
| | | Linear IC Applications | Utilization of Electrical Energy | Computer Architecture and organization | Optimization Techniques | Object Oriented Programming through Java | |
| 1 | 21X41A0201 | | ✓ | | | | A.K.K. |
| 2 | 21X41A0202 | | | ✓ | | | A Lohitha |
| 3 | 21X41A0203 | | | | ✓ | | D. Yogitha |
| 4 | 21X41A0204 | | | | | ✓ | Tanusha |
| 5 | 21X41A0205 | | ✓ | | | | P. Siva Sankar |
| 6 | 21X41A0206 | | ✓ | | | | G Amulya |
| 7 | 21X41A0208 | | ✓ | ✓ | | | Pavani |
| 8 | 21X41A0209 | ✓ | | | | | L. Siva Naveen |
| 9 | 21X41A0210 | | ✓ | | | | Rayadai |
| 10 | 21X41A0211 | | | ✓ | | ✓ | M.V. Gupti |
| 11 | 21X41A0212 | | ✓ | | | | N pratyusha |
| 12 | 21X41A0213 | ✓ | | | | | Daya. N |
| 13 | 21X41A0214 | ✓ | | | | | P. Supriya |
| 14 | 21X41A0215 | | ✓ | | | ✓ | Rohit |
| 15 | 21X41A0216 | | ✓ | | | | P.S. Sai |
| 16 | 21X41A0218 | ✓ | | | | | sd. Zabiullah |
| 17 | 21X41A0219 | | ✓ | | | | Barath |
| 18 | 21X41A0220 | | | ✓ | | | V.V. vasdhan |

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Department of Electrical and Electronics Engineering

LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

SRKIT / EEE / 73

**Academic Year: 2023-2024**

**Year/Semester: III/I**

| S No | ROLL NO | Professional Elective - I | | | | | Signature |
|---|---|---|---|---|---|---|---|
| | | Linear IC Applications | Utilization of Electrical Energy | Computer Architecture and organization | Optimization Techniques | Object Oriented Programming through Java | |
| 19 | 21X41A0221 | ✓ | | | | | V.S. Ganesh |
| 20 | 22X45A0201 | | ✓ | | | | P. kalyani |
| 21 | 22X45A0202 | | | ✓ | | | A Tarun |
| 22 | 22X45A0203 | | | | ✓ | | B. Moses |
| 23 | 22X45A0204 | | | | | ✓ | CH. Teja |
| 24 | 22X45A0205 | | | | ✓ | | P Sivasankar |
| 25 | 22X45A0207 | | | ✓ | | | D. Vijay Kumar |
| 26 | 22X45A0208 | | ✓ | | | | |
| 27 | 22X45A0209 | | ✓ | | | | L. Siva Naveen |
| 28 | 22X45A0210 | | ✓ | | | | K. Jayadeep |
| 29 | 22X45A0211 | ✓ | | | | | |
| 30 | 22X45A0212 | | ✓ | | | | N. pratyasha |
| 31 | 22X45A0213 | | | ✓ | | | SV |
| 32 | 22X45A0214 | | ✓ | | | | Jarabha |
| 33 | 22X45A0215 | | ✓ | | | | SK. Feseha |
| 34 | 22X45A0216 | | | ✓ | | | |
| 35 | 22X45A0217 | | | | ✓ | | |
| 36 | 22X45A0218 | | | | | ✓ | Sd. Zabiullah |
| 37 | 22X45A0219 | | ✓ | | | | Y. Ramanjaneyulu |

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# SRK INSTITUTE OF TECHNOLOGY

Enikepadu, Vijayawada 521108

Department of Electrical and Electronics Engineering

LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

SRKIT / EEE / 73

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | 22X45A0220 | | ✓ | | | | A. Tagore |
| 39 | 22X45A0221 | | | ✓ | | | D. Krupa |
| 40 | 22X45A0222 | | | | ✓ | | Jyothi |
| 41 | 22X45A0223 | | | | | ✓ | G. T. Rao |
| 42 | 22X45A0224 | | | | ✓ | | O. G. Sai Shankar |
| 43 | 22X45A0225 | | | ✓ | | | O. G. Sai |
| 44 | 22X45A0226 | | ✓ | | | | P. Sri Lakshmi |
| 45 | 22X45A0227 | ✓ | | | | | Teja |
| 46 | 22X45A0228 | | ✓ | | | | Sk. Hameef |
| 47 | 22X45A0229 | | ✓ | | | | V. N. K. Akhil |
| 48 | 22X45A0230 | ✓ | | | | | K. Madhu |
| 49 | 22X45A0231 | | ✓ | | | | E. Enosh |

HOD/Date 14/3/23

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# SRK INSTITUTE OF TECHNOLOGY

**Enikepadu, Vijayawada 521108**

**Department of Electrical and Electronics Engineering**

National Assessment & Accreditation Council

**SRKIT / EEE / 73**

Date: 18-03-2023

## CIRCULAR

This is to inform all the students of III/IV B.TECH, Electrical and Electronics Engineering, as per the majority of students opted, Departmental Academic Committee decided to offer **Utilization of Electrical Energy** subject as an Professional Elective-I for the academic year 2023-24, I Semester.

HOD/Date 18/3/23

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# SRK INSTITUTE OF TECHNOLOGY

**Enikepadu, Vijayawada 521108**

**Department of Electrical and Electronics Engineering**

National Assessment & Accreditation Council

**SRKIT / EEE / 73**

Date: 18-03-2023

## CIRCULAR

This is to inform all the students of III/IV B.TECH, Electrical and Electronics Engineering, as per the majority of students opted, Departmental Academic Committee decided to offer **Object oriented programming through Java** Subject as an Open Elective-I for the academic year 2023-24, I Semester.

HOD/Date 18/3/23

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA–533003, Andhra Pradesh, India
## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### IV B.Tech – I Semester

| Sl. No | Course Components | Subjects | L | T | P | Credits |
|---|---|---|---|---|---|---|
| 1 | PEC | Professional Elective – III | 3 | 0 | 0 | 3 |
| 2 | PEC | Professional Elective – IV | 3 | 0 | 0 | 3 |
| 3 | PEC | Professional Elective – V | 3 | 0 | 0 | 3 |
| 4 | OEC | Open Elective- III/Job Oriented Elective-III | 3 | 0 | 0 | 3 |
| 5 | OEC | Open Elective-IV /Job Oriented Elective-IV | 3 | 0 | 0 | 3 |
| 6 | HSMC | Universal Human Values-2: Understanding Harmony | 3 | 0 | 0 | 3 |
| 7 | SC | **Skill Advanced Course**<br>Machine Learning with PythonLab | 0 | 0 | 4 | 2 |
| 8 | PROJ | Industrial / Research Internship 2 Months (Mandatory) after third year (to be evaluated during VII Semester) | 0 | 0 | 3 | 3 |
| | | **Total Credits** | **23** | | | |
| | | Minors Course* | 4 | 0 | 0 | 4 |
| | | Honors Course* | 4 | 0 | 0 | 4 |

### IVB.TechIISemester

| Sl. No | Course Components | Subjects | L | T | P | Credits |
|---|---|---|---|---|---|---|
| 1 | Major Project | Project work, seminar and internship in industry (6 Months) | -- | -- | -- | 12 |
| | | **Total Credits** | **12** | | | |

**HSMC**:Humanities and Social Science Including Management Courses
**BSC** :Basic Science Courses
**ESC**:Engineering Science Courses
**PCC**:Professional Core Courses

**PEC** : Professional Elective Courses
**OEC** : Open Elective Courses
**PROJ** : Internship, Seminar, Project Wok
**MC** : Mandatory Courses
**SC** : Skill Oriented Courses

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA–533003, Andhra Pradesh, India
## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**Professional Elective Subjects offered to EEE Branch Students:**

**Professional Elective – I:**

1. Linear IC Applications
2. Utilization of Electrical Energy
3. Computer Architecture and Organization
4. Optimization Techniques
5. Object Oriented Programming through Java

**Professional Elective – II:**

1. Signal and Systems
2. Electric Drives
3. Advanced Control Systems
4. Switchgear and Protection
5. Big Data Analytics

**Professional Elective –III:**

1. Digital Signal Processing
2. Renewable and Distributed Energy Technologies
3. Flexible Alternating Current Transmission Systems
4. Power Systems Deregulation
5. Data Base Management Systems

**Professional Elective – IV:**

1. Hybrid Electric Vehicles
2. High Voltage Engineering
3. Programmable Logic Controllers and Applications
4. Cloud Computing with AWS
5. Deep Learning Techniques

**Professional Elective – V:**

1. Power System Operation and Control
2. Switched Mode Power Conversion
3. AI Applications toElectrical Engineering
4. Data Science
5. MEAN Stack Technologies

**Open Electives offered by EEE Department for Other Branches (Except EEE Branch)**

**Open Elective-I:**

1. Renewable Energy Sources
2. Concepts of Optimization Techniques
3. Concepts of Control Systems

**Open Elective-II:**

1. Battery Management Systems and Charging Stations
2. Fundamentals of utilization of Electrical Energy
3. Indian Electricity Act

**Open Elective-III:**

1. Concepts of Microprocessors and Microcontrollers
2. Fundamentals of Electric Vehicles
3. Concepts of Internet of Things

**Open Elective-IV:**

1. Concepts of Power System Engineering
2. Concepts of Smart Grid Technologies

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**Open Electives to be offered by CSE / IT for other Branches:**

| | |
|---|---|
| **Open Elective-I:**<br>1. Data Structures<br>2. Object Oriented Programming through JAVA<br>3. Data Base Management Systems<br>4. Computer Graphics<br>5. Advanced UNIX Programming<br>6. Computer Organization and Architecture<br>7. Operating Systems | **Open Elective-II:**<br>1. Python Programming<br>2. Web Technologies<br>3. Soft Computing<br>4. Distributed Computing<br>5. AI and ML for Robotics<br>6. Computer Networks<br>7. Big Data Analytics<br>8. Computational Tools |
| **Open Elective-III:**<br>1. AI Tools & Techniques<br>2. Image Processing<br>3. Information Security<br>4. Mobile Application Development<br>5. Data Science<br>6. Cyber Security<br>7. Introduction to Internet of Things | **Open Elective-IV:**<br>1. MEAN Stack Technologies<br>2. Deep Learning Techniques<br>3. Cloud computing with AWS<br>4. Block Chain Technologies<br>5. Cryptography & Network Security<br>6. Introduction to Machine Learning<br>7. Machine Learning with Python |

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Date: 22-02-2023

## CIRCULAR

The following Elective Subjects are offered for IV/IV B.TECH I Semester, Electrical and Electronics Engineering students for the academic year 2023-2024. Hence all the students are instructed to choose an Professional Elective-III, Professional Elective-IV Professional Elective-V, Open Elective-III and Open Elective-IV, subjects among the options in the given format on or before 24-02-2023.The details of the syllabus are enclosed.

### PROFESSIONAL ELECTIVE-III

1. Digital Signal Processing
2. Renewable and Distributed Energy Technologies
3. Flexible Alternating Current Transmission Systems
4. Data Base Management Systems
5. Power System Deregulations

### PROFESSIONAL ELECTIVE-IV

1. Hybrid Electric Vehicles
2. High Voltage Engineering
3. Programmable Logic Controllers And Applications
4. Cloud Computing With AWS
5. Deep Learning Techniques

### PROFESSIONAL ELECTIVE-V

1. Power System Operation And Control
2. Switched Mode Power Conversions
3. AI Applications To Electrical Engineering
4. Data Science
5. MEAN Stack Technologies

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**OPEN ELECTIVE-III**

1. Environmental management (CIVIL)
2. Fundamentals of microprocessor and Microcontroller (ECE)
3. AI tools and techniques(CSE)
4. Total quality management (Mech)

**OPEN ELECTIVE-IV**

1. Green Technologies (CIVIL)
2. Digital logic Design (ECE)
3. Cloud computing with AWS (CSE)

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# SRK INSTITUTE OF TECHNOLOGY

Enikepadu, Vijayawada 521108

Department of Electrical and Electronics Engineering

LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

SRKIT / EEE / 73

**Academic Year: 2023-2024** **Year/Semester: IV/I**

| S No | ROLL NO | Professional Elective - III | | | | | Signature |
|---|---|---|---|---|---|---|---|
| | | Digital Signal Processing | Renewable And Distributed Energy Technologies | Flexible Alternating Current Transmission Systems | Power System Deregulations | Data Base Management Systems | |
| 1 | 20X41A0201 | | ✓ | | | | A. Lakshmi |
| 2 | 20X41A0202 | | | ✓ | | | A. Raja |
| 3 | 20X41A0203 | | ✓ | | | | A. V. S. Sri |
| 4 | 20X41A0204 | | | | ✓ | | B. Shiva |
| 5 | 20X41A0205 | | ✓ | | | | B. S. Suryam |
| 6 | 20X41A0206 | | | | | ✓ | G. Rajasri |
| 7 | 20X41A0207 | | ✓ | | | | K. G. Shalini |
| 8 | 20X41A0208 | | ✓ | | | | K. Anusha |
| 9 | 20X41A0209 | ✓ | | | | | K. Srinivasulu |
| 10 | 20X41A0211 | | | ✓ | | | L. Vijayalakshmi |
| 11 | 20X41A0212 | | ✓ | | | | Sruthi |
| 12 | 20X41A0213 | ✓ | | | | | P. T. Khan |
| 13 | 20X41A0214 | | | | | ✓ | P. Usha |
| 14 | 20X41A0215 | | ✓ | | | | T. Sravya Sri |
| 15 | 20X41A0216 | | ✓ | | | | Sruthi |
| 16 | 20X41A0217 | | | | ✓ | | V. Lakshitha |
| 17 | 21X45A0201 | | ✓ | | | | P. Shreya |
| 18 | 21X45A0202 | ✓ | | | | | Nazeer Khan |

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# SRK INSTITUTE OF TECHNOLOGY

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Department of Electrical and Electronics Engineering

LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

SRKIT / EEE / 73

**Academic Year: 2023-2024**

**Year/Semester: IV/I**

| S No | ROLL NO | Professional Elective - III | | | | | Signature |
|---|---|---|---|---|---|---|---|
| | | Digital Signal Processing | Renewable And Distributed Energy Technologies | Flexible Alternating Current Transmission Systems | Power System Deregulations | Data Base Management Systems | |
| 19 | 21X45A0203 | ✓ | ✓ | | | | S. Suresh |
| 20 | 21X45A0204 | | | ✓ | | | G. Nagaraj |
| 21 | 21X45A0205 | | ✓ | | | | P. Prasanna |
| 22 | 21X45A0206 | | ✓ | | | | A. Mahesh |
| 23 | 21X45A0207 | | ✓ | | | | K. Rahul |
| 24 | 21X45A0208 | | | | ✓ | | G. Jayanth |
| 25 | 21X45A0209 | | ✓ | | | | Durga prasa |
| 26 | 21X45A0210 | | | | | ✓ | S. Surya |
| 27 | 21X45A0211 | | ✓ | | | | S. Surya |
| 28 | 21X45A0212 | ✓ | | | | | Bhargav |
| 29 | 21X45A0213 | | | | ✓ | | D. Manikanta |
| 30 | 21X45A02114 | | ✓ | | | | A. sidhu |
| 31 | 21X45A0215 | | | ✓ | | | K. Manasa |
| 32 | 21X45A0216 | | ✓ | | | | |
| 33 | 21X45A0217 | | | | | ✓ | Devendranad |
| 34 | 21X45A0218 | ✓ | | | | | K. vamsi |
| 35 | 21X45A0219 | | ✓ | | | | K Suresh |
| 36 | 21X45A0220 | | | | ✓ | | T. Vishnu |
| 37 | 21X45A0221 | | ✓ | | | | Manikanta |
| 38 | 21X45A0222 | | ✓ | | | | Ch. Naveen |
| 39 | 21X45A0223 | ✓ | | | | | Mukesh |

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**Enikepadu, Vijayawada 521108**

**Department of Electrical and Electronics Engineering**

**LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS**

SRKIT / EEE / 73

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 40 | 21X45A0224 | ✓ | ✓ | | | | K. Lahari |
| 41 | 21X45A0225 | | | ✓ | | | A. Razak |
| 42 | 21X45A0226 | | ✓ | | | | Bhagav |
| 43 | 21X45A0227 | | | | ✓ | | N. Siddu |
| 44 | 21X45A0228 | | ✓ | | ✓ | | M. J. |
| 45 | 21X45A0229 | | | | | ✓ | B. Sravani |
| 46 | 21X45A0230 | | ✓ | | | | K. Sai |
| 47 | 21X45A0231 | | | ✓ | | | Venkat |
| 48 | 21X45A0232 | | ✓ | | | | Ch. Naveen |
| 49 | 21X45A0233 | ✓ | | | | | Kiranmai |
| 50 | 21X45A0234 | | ✓ | | | | P. Sanjay |
| 51 | 21X45A0235 | | | | | ✓ | P. H. V. Sandhya |
| 52 | 21X45A0237 | | ✓ | | | | Lakshman |
| 53 | 21X45A0238 | ✓ | | | | | A. Rahim |
| 54 | 21X45A0239 | | ✓ | | | | A. Khasim |
| 55 | 21X45A0240 | | | | | ✓ | Usairam |
| 56 | 21X45A0241 | | ✓ | | | | Pushpak |
| 57 | 21X45A0242 | | ✓ | | | | P. D. |

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# SRK INSTITUTE OF TECHNOLOGY

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Department of Electrical and Electronics Engineering

LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

SRKIT / EEE / 73

**Academic Year: 2023-2024**

**Year/Semester: IV/I**

| S No | ROLL NO | Professional Elective - IV | | | | | Signature |
|---|---|---|---|---|---|---|---|
| | | Hybrid Electric Vehicles | High Voltage Engineering | Programmable Logic Controllers And Applications | Cloud Computing With AWS | Deep Learning Techniques | |
| 1 | 20X41A0201 | | ✓ | | | | A. Lakshman |
| 2 | 20X41A0202 | | ✓ | | | | A. Raja |
| 3 | 20X41A0203 | | ✓ | | | | A. V. S. Sai |
| 4 | 20X41A0204 | | ✓ | | | | B. Shankar |
| 5 | 20X41A0205 | | | ✓ | | | B. S. Sumpa |
| 6 | 20X41A0206 | | | | ✓ | | G. Teja Sri |
| 7 | 20X41A0207 | | | | | ✓ | K. Gr. Sankar |
| 8 | 20X41A0208 | | ✓ | | | | K. Ashrafi |
| 9 | 20X41A0209 | | ✓ | | | | K. Sahan Redd |
| 10 | 20X41A0211 | ✓ | | | | | L. Vijaylakshi |
| 11 | 20X41A0212 | | ✓ | | | | Sailab |
| 12 | 20X41A0213 | | | ✓ | | | P. J. Ichan |
| 13 | 20X41A0214 | | ✓ | | | | P. Doha |
| 14 | 20X41A0215 | | ✓ | | | | T. Sravya Sri |
| 15 | 20X41A0216 | | ✓ | | | | |
| 16 | 20X41A0217 | ✓ | | | | | Deva |
| 17 | 21X45A0201 | | ✓ | | | | K. Vamsi |
| 18 | 21X45A0202 | | ✓ | | | | Nazeer Khan |

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# SRK INSTITUTE OF TECHNOLOGY

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Department of Electrical and Electronics Engineering

LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

SRKIT / EEE / 73

**Academic Year: 2023-2024**

**Year/Semester: IV/I**

| S No | ROLL NO | Professional Elective - IV | | | | | Signature |
|---|---|---|---|---|---|---|---|
| | | Hybrid Electric Vehicles | High Voltage Engineering | Programmable Logic Controllers And Applications | Cloud Computing With AWS | Deep Learning Techniques | |
| 19 | 21X45A0203 | | ✓ | | | | S. Sandhe |
| 20 | 21X45A0204 | | ✓ | | | | G.N Sag |
| 21 | 21X45A0205 | | ✓ | | | | P-Prasa |
| 22 | 21X45A0206 | | ✓ | | | | A. Mahesh |
| 23 | 21X45A0207 | | | | ✓ | | K. Rahul |
| 24 | 21X45A0208 | | ✓ | | | | G. Jayanth |
| 25 | 21X45A0209 | | ✓ | | | | S. Surya |
| 26 | 21X45A0210 | | ✓ | | | | S. Surya |
| 27 | 21X45A0211 | ✓ | | | | | S. Surya |
| 28 | 21X45A0212 | | ✓ | | | | Bhargav |
| 29 | 21X45A0213 | | ✓ | | | | D. Manikanta |
| 30 | 21X45A02114 | | ✓ | | | | A. Sidhu |
| 31 | 21X45A0215 | | ✓ | | | | K. Manasa |
| 32 | 21X45A0216 | | | ✓ | | | Sai |
| 33 | 21X45A0217 | | ✓ | | | | Devandranad |
| 34 | 21X45A0218 | | ✓ | | | | K. Vamsi |
| 35 | 21X45A0219 | | ✓ | | | | K. Surya |
| 36 | 21X45A0220 | | ✓ | | | | T. V.S Prasano |
| 37 | 21X45A0221 | | | | ✓ | | Mantharla |
| 38 | 21X45A0222 | | ✓ | | | | Ch, M. S. Pav |

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# SRK INSTITUTE OF TECHNOLOGY

**Enikepadu, Vijayawada 521108**

**Department of Electrical and Electronics Engineering**

**LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS**

SRKIT / EEE / 73

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 39 | 21X45A0223 | | ✓ | | | | Mukhesh |
| 40 | 21X45A0224 | ✓ | | | | | K. Lahari |
| 41 | 21X45A0225 | | | | | ✓ | A. Razak |
| 42 | 21X45A0226 | | | ✓ | | | Bhargav |
| 43 | 21X45A0227 | | | | ✓ | | N. Siddu |
| 44 | 21X45A0228 | ✓ | | | | | M. J. |
| 45 | 21X45A0229 | ✓ | | | | | B Saivamg |
| 46 | 21X45A0230 | | | | | ✓ | K. Sai |
| 47 | 21X45A0231 | | ✓ | | | | Venkatesh |
| 48 | 21X45A0232 | | | | ✓ | | ch. Naveen |
| 49 | 21X45A0233 | ✓ | | | | | Kiranmai |
| 50 | 21X45A0234 | | | ✓ | | | p. Sanjay |
| 51 | 21X45A0235 | ✓ | | | | | PHV Sunil |
| 52 | 21X45A0237 | ✓ | | | | | Lakshman |
| 53 | 21X45A0238 | | | | ✓ | | A. Ramesh |
| 54 | 21X45A0239 | | ✓ | | | | A. Charan |
| 55 | 21X45A0240 | | | ✓ | | | U. Sairam |
| 56 | 21X45A0241 | ✓ | | | | | Pushpak |
| 57 | 21X45A0242 | ✓ | | | | | P. D. |

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# SRK INSTITUTE OF TECHNOLOGY

Enikepadu, Vijayawada 521108

Department of Electrical and Electronics Engineering

LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

SRKIT / EEE / 73

**Academic Year: 2023-2024**

**Year/Semester: IV/I**

| S No | ROLL NO | Professional Elective - V | | | | | Signature |
|---|---|---|---|---|---|---|---|
| | | Power System Operation and Control | Switched Mode Power Conversions | AI Applications To Electrical Engineering | Data Science | MEAN Stack Technologies | |
| 1 | 20X41A0201 | ✓ | | | | | A Lakshman |
| 2 | 20X41A0202 | | | | ✓ | | A Raja |
| 3 | 20X41A0203 | | ✓ | | | | D.V. Sekhar |
| 4 | 20X41A0204 | ✓ | | | | | B. Sharan |
| 5 | 20X41A0205 | | | ✓ | | | B.S. Suryan |
| 6 | 20X41A0206 | ✓ | | | | | G. Tejasri |
| 7 | 20X41A0207 | ✓ | | | | | K.G. Srikant |
| 8 | 20X41A0208 | | | | | ✓ | K. Anusha |
| 9 | 20X41A0209 | | | ✓ | | | K. Shiva Reddy |
| 10 | 20X41A0211 | ✓ | | | | | A. Vijayan |
| 11 | 20X41A0212 | | | | ✓ | | Sneha |
| 12 | 20X41A0213 | ✓ | | | | | P.J. Ichan |
| 13 | 20X41A0214 | | ✓ | | | | P. Mohan |
| 14 | 20X41A0215 | | | | | ✓ | T. Srayasri |
| 15 | 20X41A0216 | ✓ | | | | | Sneha |
| 16 | 20X41A0217 | | | ✓ | | | Deva |
| 17 | 21X45A0201 | ✓ | | | | | K Namrji |
| 18 | 21X45A0202 | | | | ✓ | | Nazeer Khan |

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# SRK INSTITUTE OF TECHNOLOGY

Enikepadu, Vijayawada 521108

Department of Electrical and Electronics Engineering

LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

SRKIT / EEE / 73

**Academic Year: 2023-2024**

**Year/Semester: IV/I**

| S No | ROLL NO | Professional Elective - V | | | | | Signature |
|---|---|---|---|---|---|---|---|
| | | Power System Operation and Control | Switched Mode Power Conversions | AI Applications To Electrical Engineering | Data Science | MEAN Stack Technologies | |
| 19 | 21X45A0203 | | | ✓ | | | S. Suresh |
| 20 | 21X45A0204 | | | | | ✓ | G. M.Sai |
| 21 | 21X45A0205 | | ✓ | | | | P. Pravee |
| 22 | 21X45A0206 | ✓ | | | | | A. Mahesh |
| 23 | 21X45A0207 | | | | ✓ | | K. Rahul |
| 24 | 21X45A0208 | ✓ | | | | | G. Jayanth |
| 25 | 21X45A0209 | | | ✓ | | | Durgaprasad |
| 26 | 21X45A0210 | ✓ | | | | | S. Surya |
| 27 | 21X45A0211 | | ✓ | | | | S. Surya |
| 28 | 21X45A0212 | ✓ | | | | | Bhargav |
| 29 | 21X45A0213 | | | | | ✓ | D. Manikanta |
| 30 | 21X45A02114 | ✓ | | | | | A. Sidhu |
| 31 | 21X45A0215 | ✓ | | | | | K. Manasa |
| 32 | 21X45A0216 | ✓ | | | | | Saif |
| 33 | 21X45A0217 | | | | ✓ | | Devendranac |
| 34 | 21X45A0218 | | ✓ | | | | K. Vamsi |
| 35 | 21X45A0219 | | | | | ✓ | K. Suresh |
| 36 | 21X45A0220 | ✓ | | | | | T. V. S Prajan |
| 37 | 21X45A0221 | | | ✓ | | | Manikanta |
| 38 | 21X45A0222 | ✓ | | | | | Ch. N. S. Pa |

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# SRK INSTITUTE OF TECHNOLOGY

**Enikepadu, Vijayawada 521108**

**Department of Electrical and Electronics Engineering**

**LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS**

SRKIT / EEE / 73

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 39 | 21X45A0223 | ✓ | | | | | | | Mukhesh |
| 40 | 21X45A0224 | ✓ | | | | | | | K. Lahari |
| 41 | 21X45A0225 | ✓ | | | | | | | A. Ravi |
| 42 | 21X45A0226 | | ✓ | | | | | | Bhargav |
| 43 | 21X45A0227 | | | ✓ | | | | | N. Siddu |
| 44 | 21X45A0228 | ✓ | | | | | | | M. J. |
| 45 | 21X45A0229 | ✓ | | | | | | | B. Sravan |
| 46 | 21X45A0230 | | | ✓ | | | | | K. Sri Ra |
| 47 | 21X45A0231 | | | | | ✓ | | | Venkatesh |
| 48 | 21X45A0232 | ✓ | | | | | | | Ch. Naveen |
| 49 | 21X45A0233 | | | | ✓ | | | | Kiranma |
| 50 | 21X45A0234 | ✓ | | | | | | | P. Hiver |
| 51 | 21X45A0235 | ✓ | | | | | | | Lakshman |
| 52 | 21X45A0237 | | | | | | | ✓ | A. Rahee |
| 53 | 21X45A0238 | | | | | | | ✓ | A. Charan |
| 54 | 21X45A0239 | | | | | | ✓ | | A. Uhow |
| 55 | 21X45A0240 | ✓ | | | | | | | V. Uday |
| 56 | 21X45A0241 | ✓ | | | | | | | Pushpak |
| 57 | 21X45A0242 | ✓ | | | | | | | P. D. |

22/2/23
HOD/Date

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# SRK INSTITUTE OF TECHNOLOGY

**Enikepadu, Vijayawada 521108**

**Department of Electrical and Electronics Engineering**

**LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS**

SRKIT / EEE / 73

**Academic Year: 2023-2024**

**Year/Semester: IV/I**

| S No | ROLL NO | Open Elective-III | | | | Signature |
|---|---|---|---|---|---|---|
| | | Environmental Management | Fundamentals of Microprocessor and Microcontroller | AI tools and techniques | Total Quality Management | |
| 1 | 20X41A0201 | | | ✓ | | Lakshman Naidu |
| 2 | 20X41A0202 | | | ✓ | | A. Prashas |
| 3 | 20X41A0203 | | | | ✓ | Sadvik |
| 4 | 20X41A0204 | | | ✓ | | B. Sharan |
| 5 | 20X41A0205 | | ✓ | | | Surya Prakash |
| 6 | 20X41A0206 | | | ✓ | | Tejasri |
| 7 | 20X41A0207 | ✓ | | | | K. Vidyasankath |
| 8 | 20X41A0208 | | | ✓ | | Avinash |
| 9 | 20X41A0209 | | | ✓ | | K. Siva Reddy |
| 10 | 20X41A0211 | | | ✓ | | K. Viju |
| 11 | 20X41A0212 | | | | ✓ | P. Srilakshmi |
| 12 | 20X41A0213 | | | ✓ | | P. Javed |
| 13 | 20X41A0214 | | | ✓ | | Obulamadhu |
| 14 | 20X41A0215 | | | ✓ | | Nadhim |
| 15 | 20X41A0216 | | | ✓ | | Sriarya sri |
| 16 | 20X41A0217 | | | ✓ | | Yakshitha |
| 17 | 21X45A0201 | | ✓ | | | P. Sreeja |
| 18 | 21X45A0202 | | | ✓ | | Nazeer |

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# SRK INSTITUTE OF TECHNOLOGY

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Department of Electrical and Electronics Engineering

LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

SRKIT / EEE / 73

**Academic Year: 2023-2024**

**Year/Semester: IV/I**

| S No | ROLL NO | Open Elective-III | | | | Signature |
|---|---|---|---|---|---|---|
| | | Environmental Management | Fundamentals of Microprocessor and Microcontroller | AI tools and techniques | Total Quality Management | |
| 19 | 21X45A0203 | | | ✓ | | Surendhra |
| 20 | 21X45A0204 | | | ✓ | | A. Alage Sai |
| 21 | 21X45A0205 | | | ✓ | | Prasanth |
| 22 | 21X45A0206 | | | ✓ | | A. Mahesh |
| 23 | 21X45A0207 | ✓ | | | | Rahul |
| 24 | 21X45A0208 | | | ✓ | | Jayant |
| 25 | 21X45A0209 | | ✓ | | | |
| 26 | 21X45A0210 | | | ✓ | | Suryakiran |
| 27 | 21X45A0211 | | | ✓ | | |
| 28 | 21X45A0212 | | | ✓ | | |
| 29 | 21X45A0213 | ✓ | | | | Dmanjula |
| 30 | 21X45A0214 | | | ✓ | | |
| 1 | 21X45A0215 | | | ✓ | | |
| 32 | 21X45A0216 | | | ✓ | | K. Susitha |
| 33 | 21X45A0217 | | | ✓ | | T. Devadra |
| 34 | 21X45A0218 | | | ✓ | | K. Vamsi |
| 35 | 21X45A0219 | | | | ✓ | |
| 36 | 21X45A0220 | | | ✓ | | Pradeepa TVS |
| 37 | 21X45A0221 | | ✓ | | | Hasi |
| 38 | 21X45A0222 | | | ✓ | | |
| 39 | 21X45A0223 | | | ✓ | | |

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# SRK INSTITUTE OF TECHNOLOGY

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SRKIT / EEE / 73

| | | | | | | |
|---|---|---|---|---|---|---|
| 40 | 21X45A0224 | | | ✓ | | Lahari |
| 41 | 21X45A0225 | | | ✓ | | Pazak |
| 42 | 21X45A0226 | | | ✓ | | M.Bhargav |
| 43 | 21X45A0227 | | | | ✓ | Sidhu |
| 44 | 21X45A0228 | | | ✓ | | melody |
| 45 | 21X45A0229 | | | ✓ | | B.Sravani |
| 46 | 21X45A0230 | | ✓ | | | Sunath |
| 47 | 21X45A0231 | | | ✓ | | Sai Venkath |
| 48 | 21X45A0232 | | | ✓ | | Neereen |
| 49 | 21X45A0233 | | | ✓ | | Divya |
| 50 | 21X45A0234 | | | | ✓ | P. Sanjay |
| 51 | 21X45A0235 | | | ✓ | | Sandhya |
| 52 | 21X45A0237 | | | ✓ | | Cabshnu |
| 53 | 21X45A0238 | | ✓ | | | A. Raheem |
| 54 | 21X45A0239 | | | ✓ | | Raj |
| 55 | 21X45A0240 | | | ✓ | | U. Sai Ram |
| 56 | 21X45A0241 | ✓ | | | | Pushpak |
| 57 | 21X45A0242 | | | ✓ | | P. Pedeepya |

22/2/23

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# SRK INSTITUTE OF TECHNOLOGY

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**Department of Electrical and Electronics Engineering**

**LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS**

SRKIT / EEE / 73

**Academic Year: 2023-2024**

**Year/Semester: IV/I**

| S No | ROLL NO | Open Elective-IV | | | Signature |
|---|---|---|---|---|---|
| | | Green Technologies | Digital logic Design | Cloud computing with AWS | |
| 1 | 20X41A0201 | | | ✓ | Lakshan naidu. |
| 2 | 20X41A0202 | | | ✓ | AASVP RAJA. |
| 3 | 20X41A0203 | | | ✓ | AV Sai Sathvik.. |
| 4 | 20X41A0204 | | | ✓ | Sharon. |
| 5 | 20X41A0205 | | | ✓ | Surya Prakash. |
| 6 | 20X41A0206 | | ✓ | | Teja Sri |
| 7 | 20X41A0207 | | | ✓ | Jagan Soukanth |
| 8 | 20X41A0208 | | | ✓ | Ashok |
| 9 | 20X41A0209 | | | ✓ | Siva Reddy. |
| 10 | 20X41A0211 | ✓ | | | Vijaya Lakshmi |
| 11 | 20X41A0212 | | | ✓ | Javed Khan. |
| 12 | 20X41A0213 | | | ✓ | Coha Madhuri |
| 13 | 20X41A0214 | | ✓ | | Sri Nandhu. |
| 14 | 20X41A0215 | | | ✓ | Sravya Sri. |
| 15 | 20X41A0216 | ✓ | | | Yakshitha. |
| 16 | 20X41A0217 | | | ✓ | Sreeja. |
| 17 | 21X45A0201 | | | ✓ | Nazeer Khan. |
| 18 | 21X45A0202 | | | ✓ | Sayena Surendhar. |

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**LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS**

**SRKIT / EEE / 73**

**Academic Year: 2023-2024**

**Year/Semester: IV/I**

| S No | ROLL NO | Open Elective-IV | | | Signature |
|---|---|---|---|---|---|
| | | Green Technologies | Digital logic Design | Cloud computing with AWS | |
| 19 | 21X45A0203 | | | ✓ | Surendhar. |
| 20 | 21X45A0204 | | | ✓ | Naga Sai. |
| 21 | 21X45A0205 | | | ✓ | Prasanth Kumar. |
| 22 | 21X45A0206 | | | ✓ | |
| 23 | 21X45A0207 | | | ✓ | K. |
| 24 | 21X45A0208 | | | ✓ | Jayath |
| 25 | 21X45A0209 | | | ✓ | Durga Prasad |
| 26 | 21X45A0210 | | | ✓ | Durga Kiran |
| 27 | 21X45A0211 | | | ✓ | |
| 28 | 21X45A0212 | | | ✓ | Bhargav |
| 29 | 21X45A0213 | | ✓ | | A Manikanta |
| 30 | 21X45A0214 | | | ✓ | |
| 1 | 21X45A0215 | | | ✓ | Manasa |
| 32 | 21X45A0216 | ✓ | | | |
| 33 | 21X45A0217 | | | ✓ | |
| 34 | 21X45A0218 | | | ✓ | Vamsi |
| 35 | 21X45A0219 | | | ✓ | |
| 36 | 21X45A0220 | | | ✓ | T.V.S Prasan |
| 37 | 21X45A0221 | | | ✓ | |
| 38 | 21X45A0222 | | ✓ | | M.S.P. |
| 39 | 21X45A0223 | | | ✓ | |

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# SRK INSTITUTE OF TECHNOLOGY

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**Department of Electrical and Electronics Engineering**

**LIST OF ELECTIVES(MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS**

**SRKIT / EEE / 73**

| | | | | | |
|---|---|---|---|---|---|
| 40 | 21X45A0224 | | | ✓ | Lahari |
| 41 | 21X45A0225 | | | ✓ | Razak. |
| 42 | 21X45A0226 | | | ✓ | Bunkar |
| 43 | 21X45A0227 | | | ✓ | Siddu. |
| 44 | 21X45A0228 | | | ✓ | Melody. |
| 45 | 21X45A0229 | ✓ | | | B. Sravani |
| 46 | 21X45A0230 | | | ✓ | Sumith |
| 47 | 21X45A0231 | | | ✓ | Sai Venkatesh |
| 48 | 21X45A0232 | | | ✓ | Naveen |
| 49 | 21X45A0233 | | ✓ | | I. Kiranmai. |
| 50 | 21X45A0234 | | | ✓ | Sanjay |
| 51 | 21X45A0235 | ✓ | | | . Sandhya |
| 52 | 21X45A0237 | | | ✓ | Lakshman |
| 53 | 21X45A0238 | | | ✓ | A. Raheem. |
| 54 | 21X45A0239 | | | ✓ | Charan Teja. |
| 55 | 21X45A0240 | | | ✓ | V. Sairam. |
| 56 | 21X45A0241 | | ✓ | | N. Pushpak. |
| 57 | 21X45A0242 | | | ✓ | K. Dedeepya |

22/2/23

HOD/Date

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# SRK INSTITUTE OF TECHNOLOGY

**Enikepadu, Vijayawada 521108**

**Department of Electrical and Electronics Engineering**

National Assessment & Accreditation Council

**SRKIT / EEE / 73**

Date: 25-02-2023

## CIRCULAR

This is to inform all the students of IV/IV B.TECH, Electrical and Electronics Engineering, as per the majority of students opted, Departmental Academic Committee decided to offer subject **Cloud computing with AWS** Subject as an Open Elective-III for the academic year 2023-24, I Semester.

HOD/Date 25/2/23

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# SRK INSTITUTE OF TECHNOLOGY

**Enikepadu, Vijayawada 521108**

**Department of Electrical and Electronics Engineering**

National Assessment & Accreditation Council

**SRKIT / EEE / 73**

Date: 25-02-2023

## CIRCULAR

This is to inform all the students of IV/IV B.TECH, Electrical and Electronics Engineering, as per the majority of students opted, Departmental Academic Committee decided to offer subject **AI tools and techniques** Subject as an Open Elective-III for the academic year 2023-24, I Semester.

HOD/Date 25/2/23

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**Enikepadu, Vijayawada 521108**
**Department of Electrical and Electronics Engineering**

National Assessment & Accreditation Council
**SRKIT / EEE / 73**

Date: 25-02-2023

## CIRCULAR

This is to inform all the students of IV/IV B.TECH, Electrical and Electronics Engineering, as per the majority of students opted, Departmental Academic Committee decided to offer **Power System Operation and Control** subject as an Professional Elective-V for the academic year 2023-24, I Semester.

25/2/23
HOD/Date

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**Department of Electrical and Electronics Engineering**

National Assessment & Accreditation Council

**SRKIT / EEE / 73**

Date: 25-02-2023

## CIRCULAR

This is to inform all the students of IV/IV B.TECH, Electrical and Electronics Engineering, as per the majority of students opted, Departmental Academic Committee decided to offer **Renewable and Distributed Energy Technologies** subject as an Professional Elective-III for the academic year 2023-24, I Semester.

25/2/23
HOD/Date

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**Department of Electrical and Electronics Engineering**

National Assessment & Accreditation Council
**SRKIT / EEE / 73**

Date: 25-02-2023

## CIRCULAR

This is to inform all the students of IV/IV B.TECH, Electrical and Electronics Engineering, as per the majority of students opted, Departmental Academic Committee decided to offer **High Voltage Engineering** subject as an Professional Elective-IV for the academic year 2023-24, I Semester.

HOD/Date 25/2/23

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF MECHANICAL ENGINEERING

### IV B.TECH I SEMESTER

| S.No | Code | Course Title | Hours | | | Credits |
|---|---|---|---|---|---|---|
| | | | L | T | P | |
| 1 | PE-3 | 1. Mechanical Vibrations<br>2. Operations Research<br>3. Unconventional Machining Processes<br>4. Computational Fluid Dynamics<br>5. Gas Dynamics and Jet Propulsion<br>6. MOOCs (NPTEL/Swayam) Course (12 Week duration) | 3 | 0 | 0 | 3 |
| 2 | PE-4 | 1. Automation in Manufacturing<br>2. Power Plant Engineering<br>3. Big Data Analytics<br>4. Production Planning and Control<br>5.Condition Monitoring<br>6.MOOCs (NPTEL/Swayam) Course (12 Week duration) | 3 | 0 | 0 | 3 |
| 3 | PE-5 | 1. Advanced Manufacturing Processes<br>2. Mechatronics<br>3. Refrigeration & Air-Conditioning<br>4. Additive Manufacturing<br>5. Non Destructive Evaluation<br>6. MOOCs (NPTEL/Swayam) Course (12 Week duration) | 3 | 0 | 0 | 3 |
| 4 | OE-3 | 1. Additive Manufacturing<br>2. Mechatronics<br>3. Finite Element Methods<br>4. Introduction to Artificial Intelligence &Machine Learning | 3 | 0 | 0 | 3 |
| 5 | OE-4 | 1. Optimization Techniques<br>2. Smart Manufacturing<br>3. Safety Engineering<br>4. Operations Management | 3 | 0 | 0 | 3 |
| 6 | HSC-3 | Universal Human Values: Understanding Harmony | 3 | 0 | 0 | 3 |
| 7 | SOC-5 | Mechatronics Lab | 0 | 0 | 4 | 2 |
| Evaluation of Summer Internship which is completed at the end of III B.Tech II Semester | | | | | | 3 |
| | | | | | **Total credits** | **23** |
| | | Honors/Minor courses | 4 | 0 | 0 | **4** |

### IV B.TECH II SEMESTER

| S No. | Category | Code | Course Title | Hours per week | | | Credits |
|---|---|---|---|---|---|---|---|
| | | | | L | T | P | |
| 1 | Major Project | PROJ | Project work* | 0 | 4 | 16 | 12 |
| | | | | | **Total credits** | | **12** |

*Students can complete Project work @ Industries/ Higher Learning Institutions/ APSSDC.

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DEPARTMENT OF MECHANICAL ENGINEERING

## IV/IV B. TECH – I SEMESTER

## CIRCULAR FOR PEC – 3, PEC – 4 & PEC – 5 ELECTIVES OFFERED

Date: 08/05/2023

The following subjects are offered as a PEC – 3, PEC – 4 & PEC - 5 for IV/IV B. TECH, Mechanical Engineering students for the academic year 2023-24, I Semester (R20). Hence all the students are instructed to choose a PEC – 3, PEC – 4 & PEC - 5 subjects among the options in the given format, on or before 12/05/2023. The details of the syllabus are enclosed.

**PEC - 3**

1. Mechanical Vibrations
2. Operations Research
3. Unconventional Machining Processes
4. Computational Fluid Dynamics
5. Gas Dynamics and Jet Propulsion
6. MOOCs (NPTEL/Swayam) Course (12 Week duration)

**PEC - 4**

1. Automation in Manufacturing
2. Power Plant Engineering
3. Big Data Analytics
4. Production Planning and Control
5. Condition Monitoring
6. MOOCs (NPTEL/Swayam) Course (12 Week duration)

**PEC – 5**

1. Advanced Manufacturing Processes
2. Mechatronics
3. Refrigeration & Air-Conditioning
4. Additive Manufacturing
5. Non-Destructive Evaluation
6. MOOCs (NPTEL/Swayam) Course (12 Week duration)

**HOD ME**

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# DEPARTMENT OF MECHANICAL ENGINEERING

## LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: IV/I Section-I**

| S. No. | Roll No. | PEC - 3 | | | | | |
|---|---|---|---|---|---|---|---|
| | | Mechanical Vibrations | Operations Research | Unconventional Machining Processes | Computational Fluid Dynamics | Gas Dynamics and Jet Propulsion | MOOCS (NPTEL/Swayam) |
| 1 | 20X41A0301 | | | N. Durga | | | |
| 2 | 20X41A0302 | | | Y. Rajkumar | | | |
| 3 | 20X41A0303 | | | G. Eaash kumar | | | |
| 4 | 20X41A0304 | | | V. Shivaji | | | |
| 5 | 20X41A0305 | | | M. Sastha kumar | | | |
| 6 | 20X41A0306 | | | Venkat | | | |
| 7 | 21X45A0301 | | | A. Dharih | | | |
| 8 | 21X45A0302 | | | Mahesh babu | | | |
| 9 | 21X45A0303 | | | Bhargav | | | |
| 10 | 21X45A0304 | | | Jaswanth | | | |
| 11 | 21X45A0305 | | | B. Abhilash | | | |
| 12 | 21X45A0306 | | | Venkat Sai | | | |
| 13 | 21X45A0307 | | | D. Mary Teja | | | |
| 14 | 21X45A0308 | | | D. Chandu | | | |
| 15 | 21X45A0310 | | | G. Gnana | | | |
| 16 | 21X45A0313 | | | K. Swamy | | | |
| 17 | 21X45A0317 | | | G. Delli Vara Kiran | | | |
| 18 | 21X45A0314 | | | K. Teja | | | |
| 19 | 21X45A0315 | | | Teja | | | |
| 20 | 21X45A0318 | | | K. Ramesh | | | |
| 21 | 21X45A0319 | | K. Shanmuk | | | | |
| 22 | 21X45A0321 | | | K. Devendra Naik | | | |
| 23 | 21X45A0322 | | | Jogendra | | | |
| 24 | 21X45A0323 | | | K. J. Vali | | | |
| 25 | 21X45A0324 | | | K. Durga | | | |
| 26 | 21X45A0325 | | | M. Ganesh | | | |
| 27 | 21X45A0326 | | | M. Pradeep | | | |
| 28 | 21X45A0327 | | | M. Ganesh | | | |
| 29 | 21X45A0328 | | M. Vinay | | | | |

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| S. No. | Roll No. | PEC - 3 | | | | | |
|---|---|---|---|---|---|---|---|
| | | Mechanical Vibrations | Operations Research | Unconventional Machining Processes | Computational Fluid Dynamics | Gas Dynamics and Jet Propulsion | MOOCS (NPTEL/Swayam) |
| 30 | 21X45A0330 | | | M. Prateep | | | |
| 31 | 21X45A0331 | | | [illegible] | | | |
| 32 | 21X45A0332 | | P. Deepak | | | | |
| 33 | 21X45A0333 | | | P. Ajay | | | |
| 34 | 21X45A0334 | | Anand | | | | |
| 35 | 21X45A0335 | | | S. [illegible] | | | |
| 36 | 21X45A0336 | | | Pavan Kumar | | | |
| 37 | 21X45A0337 | | | SD. Mast[illegible] | | | |
| 38 | 21X45A0338 | | Sk. Rafi | | | | |
| 39 | 21X45A0339 | | | sk Rafi | | | |
| 40 | 21X45A0341 | | | S. Thoran | | | |
| 41 | 21X45A0342 | | | Tr [illegible] | | | |
| 42 | 21X45A0343 | | | [illegible] | | | |
| 43 | 21X45A0344 | | | Soma Sekhar | | | |
| 44 | 21X45A0345 | | | V. Vijay | | | |

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# DEPARTMENT OF MECHANICAL ENGINEERING

## LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: IV/I Section-I**

| S. No. | Roll No. | PEC - 4 | | | | | |
|---|---|---|---|---|---|---|---|
| | | Automation in Manufacturing | Power Plant Engineering | Big Data Analytics | Production Planning and Control | Condition Monitoring | MOOCS (NPTEL/Swayam) |
| 1 | 20X41A0301 | | N. Nagadurga | | | | |
| 2 | 20X41A0302 | | Y. Rajashekar | | | | |
| 3 | 20X41A0303 | | V. Sivaram | | | | |
| 4 | 20X41A0304 | | G. Enoch Kumar | | | | |
| 5 | 20X41A0305 | | B. Abhilash | | | | |
| 6 | 20X41A0306 | | B. Karthik | | | | |
| 7 | 21X45A0301 | | A. Pavan | | | | |
| 8 | 21X45A0302 | | A. Maheshbabu | | | | |
| 9 | 21X45A0303 | | A. Bhargav | | | | |
| 10 | 21X45A0304 | | B. Harish | | | | |
| 11 | 21X45A0305 | | M. Sarath | | | | |
| 12 | 21X45A0306 | | Saj | | | | |
| 13 | 21X45A0307 | | Navya Teja | | | | |
| 14 | 21X45A0308 | | D. Charan | | | | |
| 15 | 21X45A0310 | | G. Manikanta | | | | |
| 16 | 21X45A0311 | | | B. Uday | | | |
| 17 | 21X45A0313 | | K. Swamy | | | | |
| 18 | 21X45A0314 | | K. Teja | | | | |
| 19 | 21X45A0315 | | K. Umesh | | | | |
| 20 | 21X45A0318 | | R. Ramesh | | | | |
| 21 | 21X45A0319 | | C. Shashank | | | | |
| 22 | 21X45A0321 | | K. Naik | | | | |
| 23 | 21X45A0322 | | | Jogendra | | | |
| 24 | 21X45A0323 | | K. Jaya | | | | |
| 25 | 21X45A0324 | | K. Sai | | | | |
| 26 | 21X45A0325 | | M. Ganesh | | | | |
| 27 | 21X45A0326 | | M. Prasad | | | | |
| 28 | 21X45A0327 | | Sakath | | | | |
| 29 | 21X45A0328 | | M. Vinay | | | | |

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| S. No. | Roll No. | PEC - 4 | | | | | |
|---|---|---|---|---|---|---|---|
| | | Automation in Manufacturing | Power Plant Engineering | Big Data Analytics | Production Planning and Control | Condition Monitoring | MOOCS (NPTEL/Swayam) |
| 30 | 21X45A0330 | | V. Pratap | | | | |
| 31 | 21X45A0331 | | N. [illegible] | | | | |
| 32 | 21X45A0332 | | P. Deepthi | | | | |
| 33 | 21X45A0333 | | P. Ajay | | | | |
| 34 | 21X45A0334 | | S. Anand | | | | |
| 35 | 21X45A0335 | | [illegible] | | | | |
| 36 | 21X45A0336 | | S. Pavan | | | | |
| 37 | 21X45A0337 | | S. [illegible] | | | | |
| 38 | 21X45A0338 | | SK. Rafi | | | | |
| 39 | 21X45A0339 | | T. [illegible] | | | | |
| 40 | 21X45A0341 | | S. [illegible] | | | | |
| 41 | 21X45A0342 | | T. Chaitanya | | | | |
| 42 | 21X45A0343 | | T. Venkatesh | | | | |
| 43 | 21X45A0344 | | V. Somasekhar | | | | |
| 44 | 21X45A0345 | | Vijay | | | | |

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# DEPARTMENT OF MECHANICAL ENGINEERING

## LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: IV/I Section-I**

| S. No. | Roll No. | PEC - 5 | | | | | |
|---|---|---|---|---|---|---|---|
| | | Advanced Manufacturing Processes | Mechatronics | Refrigeration & Air-Conditioning | Additive Manufacturing | Non-Destructive Evaluation | MOOCS (NPTEL/Swayam) |
| 1 | 20X41A0301 | | | | | N. Durga | |
| 2 | 20X41A0302 | | | | | P. Rashuleer | |
| 3 | 20X41A0304 | | | | | G. Enosh Kumar | |
| 4 | 20X41A0303 | | | | | V. Shivagath | |
| 5 | 20X41A0305 | | | | | M. Sarath Kumar | |
| 6 | 20X41A0306 | | | | | Venkat Sai Murth | |
| 7 | 21X45A0301 | | | | | A. Dhanith | |
| 8 | 21X45A0302 | | | | | Mahesh babu | |
| 9 | 21X45A0303 | | | | | Bhargav | |
| 10 | 21X45A0304 | | | | | Yashwanth | |
| 11 | 21X45A0305 | | | | | B. Akhilesh | |
| 12 | 21X45A0306 | | | | | Venkat sai | |
| 13 | 21X45A0307 | | | | | D. Naga Teja | |
| 14 | 21X45A0308 | | | | | D. Chandu | |
| 15 | 21X45A0310 | | | | | G. Gopi | |
| 16 | 21X45A0311 | | | | | G. Delhi Uday Kiran | |
| 17 | 21X45A0313 | | | | | K. Swamy | |
| 18 | 21X45A0314 | | | | | K. Teja | |
| 19 | 21X45A0315 | | | | | Teja | |
| 20 | 21X45A0318 | | | | | Kiranchandra | |
| 21 | 21X45A0319 | | | | | K. Shanmuk | |
| 22 | 21X45A0321 | | | | | K. Devendra Naik | |
| 23 | 21X45A0322 | | | | | Jogendra | |
| 24 | 21X45A0323 | | | | | M. J. Vas | |
| 25 | 21X45A0324 | | | | | M. Sumanth | |
| 26 | 21X45A0325 | | | | | M. Ganesh | |
| 27 | 21X45A0326 | | | | | M. pradeep | |
| 28 | 21X45A0327 | | | | | M. Ganesh | |
| 29 | 21X45A0328 | | | | | M. Vinay | |

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| S. No. | Roll No. | PEC - 5 | | | | | |
|---|---|---|---|---|---|---|---|
| | | Advanced Manufacturing Processes | Mechatronics | Refrigeration & Air-Conditioning | Additive Manufacturing | Non-Destructive Evaluation | MOOCS (NPTEL/Swayam) |
| 30 | 21X45A0330 | | | | N. Pratap | | |
| 31 | 21X45A0331 | | | | M. Sunil | | |
| 32 | 21X45A0332 | | | | P. Deepak | | |
| 33 | 21X45A0333 | | | | P. Ajay | | |
| 34 | 21X45A0334 | | | | Anand | | |
| 35 | 21X45A0335 | | | | S. Sudha | | |
| 36 | 21X45A0336 | | | | Pavan Kumar | | |
| 37 | 21X45A0337 | | | | Sk. Mahaboob | | |
| 38 | 21X45A0338 | | | | Sk. Rafi | | |
| 39 | 21X45A0339 | | | | Sk. Rafi | | |
| 40 | 21X45A0341 | | | | | S. Tharun | |
| 41 | 21X45A0342 | | | | | Tchistag | |
| 42 | 21X45A0343 | | | | Syed Ali | | |
| 43 | 21X45A0344 | | | | Somasekhar | | |
| 44 | 21X45A0345 | | | | | V. Vijay | |

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## DEPARTMENT OF MECHANICAL ENGINEERING

### IV/IV B. TECH – I SEMESTER

### CIRCULAR

Date: 16/05/2023

This is to inform all the students of IV/IV B. TECH, Mechanical Engineering, as per decision of the Departmental Academic Committee, the **Unconventional Machining Processes** subject offered as a PEC - 3 elective and **Power Plant Engineering** subject offered as a PEC - 4 elective and **Non-Destructive Evaluation** subject offered as a PEC – 5 elective for the academic year 2023-24, I Semester.

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA – 533 003, Andhra Pradesh, India
## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**Open Electives offered by EEE Department for Other Branches (Except EEE Branch)**

**Open Elective-I:**

| | |
|---|---|
| 1. | Renewable Energy Sources |
| 2. | Concepts of Optimization Techniques |
| 3. | Concepts of Control Systems |

**Open Elective-II:**

| | |
|---|---|
| 1. | Battery Management Systems and Charging Stations |
| 2. | Fundamentals of utilization of Electrical Energy |
| 3. | Indian Electricity Act |

**Open Elective-III:**

| | |
|---|---|
| 1. | Concepts of Microprocessors and Microcontrollers |
| 2. | Fundamentals of Electric Vehicles |
| 3. | Concepts of Internet of Things |

**Open Elective-IV:**

| | |
|---|---|
| 1. | Concepts of Power System Engineering |
| 2. | Concepts of Smart Grid Technologies |

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**KAKINADA – 533 003, Andhra Pradesh, India**

**DEPARTMENT OF CIVIL ENGINEERING**

# OPEN ELECTIVES R20

**(4 OE x 3 = 12 Credits)**

**Note: Student must choose subjects which were not opted earlier.**

**(OE Starts from III-I)**

**Open Elective-1 in III year I semester:**

a) Strength of Materials
b) Fluid Mechanics
c) Surveying and Geomatics

**Open Elective-2 in III year II semester:**

a) Elements of Civil Engineering
b) Environmental Engineering
c) Disaster Management

**Open Elective-3 in IV year I semester:**

a) Highway Engineering
b) Safety Engineering
c) Environmental Management
d) Urban Planning

**Open Elective-4 in IV year II semester:**

a) Water Resource Engineering
b) Hydraulics and Hydraulic Machinery
c) Green Technologies
d) Remote Sensing & GIS

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DEPARTMENT OF MECHANICAL ENGINEERING

## IV/IV B. TECH – I SEMESTER

## CIRCULAR FOR OPEN ELECTIVE – 3 &4 OFFERED

Date: 08/05/2023

The following subjects are offered as an Open Elective – 3&4 for IV/IV B. TECH, Mechanical Engineering students for the academic year 2023-24, I Semester (R20). Each subject has been offered by various departments. Hence all the students are instructed to choose an Open Elective – 3&4 subject among the options in the given format, on or before 12/05/2023. The details of the syllabus are enclosed.

**OPEN ELECTIVE – 3**

1. Basics of Signals and Systems (ECE)
2. Fundamentals of Electric Vehicles (EEE)
3. Introduction to Internet of Things (CSE)

**OPEN ELECTIVE – 4**

1. Elements of Civil Engineering (CE)
2. Basic Electronics (EEE)
3. Concepts of Power System Engineering (ECE)

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# DEPARTMENT OF MECHANICAL ENGINEERING

## LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: IV/I Section-I**

| S. No. | Roll No. | OPEN ELECTIVE - 3 | | | OPEN ELECTIVE - 4 | | |
|---|---|---|---|---|---|---|---|
| | | Basics of Signals and Systems (ECE) | Fundamentals of Electric Vehicles (EEE) | Introduction to Internet of Things (CSE) | Elements of Civil Engineering (CE) | Basic Electronics (EEE) | Concepts of Power System Engineering (ECE) |
| 1 | 20X41A0301 | | N. Naga durga | | N. Naga durga | | |
| 2 | 20X41A0302 | | Y. Rasakeerthi | | Y. Rasakeerthi | | |
| 3 | 20X41A0303 | | V. Siva | | K. Siva | | |
| 4 | 20X41A0304 | | G. Enosh Kumar | | G. Enosh | | |
| 5 | 20X41A0305 | | B. Ahobo | | B. Ahobo | | |
| 6 | 20X41A0306 | | B. karthik | | B. karthik | | |
| 7 | 21X45A0301 | | A. Prasad | | A. Prasad | | |
| 8 | 21X45A0302 | | A. Mahesh | | A Mahesh | | |
| 9 | 21X45A0303 | | A. Bhargav | | A Bhargav | | |
| 10 | 21X45A0304 | | B. Yaswanth | | B. Yaswanth | | |
| 11 | 21X45A0305 | | M. Pasad | | M. Pasad | | |
| 12 | 21X45A0306 | | Sai | | Sai | | |
| 13 | 21X45A0307 | | Naga Teja | | | Naga Teja | |
| 14 | 21X45A0308 | | D. Chandu | | D. Chandu | | |
| 15 | 21X45A0310 | | | G. manoj | G. manoj | | |
| 16 | 21X45A0311 | | G. Uday | | G. Uday | G. Uday | |
| 18 | 21X45A0314 | | K. Teja | | K. Teja | | |
| 19 | 21X45A0313 | | K. Swamy | | K. Swamy | | |
| 20 | 21X45A0315 | | K. Chandu | | K. Chandu | | |
| 21 | 21X45A0318 | | K. Ramesh | | K. Ramesh | | |
| 22 | 21X45A0319 | | K. Shanmuk | | K. Shanmuk | | |
| 23 | 21X45A0321 | | K. Vamsi | | K. Anil | | |
| 24 | 21X45A0322 | | Jagadesh | | Jagadesh | | |
| 25 | 21X45A0323 | | K. Jaya | | K. Jayan | | |
| 26 | 21X45A0324 | | K. Sanjay | | K. Sanjay | | |
| 27 | 21X45A0325 | | M. Ganesh | | M. Ganesh | | |
| 28 | 21X45A0327 | | Sakath | | Sakath | | |
| 29 | 21X45A0329 | | M. Pratap | | M. Pratap | | |

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| S. No. | Roll No. | OPEN ELECTIVE - 3 | | | OPEN ELECTIVE - 4 | | |
|---|---|---|---|---|---|---|---|
| | | Basics of Signals and Systems (ECE) | Fundamentals of Electric Vehicles (EEE) | Introduction to Internet of Things (CSE) | Elements of Civil Engineering (CE) | Basic Electronics (EEE) | Concepts of Power System Engineering (ECE) |
| 30 | 21X45A0328 | | M. Vinay | | M. Vinay | | |
| 31 | 21X45A0330 | | N. Pratap | | N. Pratap | | |
| 32 | 21X45A0331 | | N. Jaswanth | | N. Jaswanth | | |
| 33 | 21X45A0332 | | P. Deepak | | P. Deepak | | |
| 34 | 21X45A0333 | | P. AJAY | | P. AJAY | | |
| 35 | 21X45A0334 | | S. Anand | | S. Anand | | |
| 36 | 21X45A0335 | | [illegible] | | [illegible] | | |
| 37 | 21X45A0336 | | S. Pavan | | S. Pavan | | |
| 38 | 21X45A0337 | | S. [illegible] | | S. [illegible] | | |
| 39 | 21X45A0338 | | Sk. Rafi | | Sk. Rafi | | |
| 40 | 21X45A0339 | | T. [illegible] | | T. [illegible] | | |
| 41 | 21X45A0341 | | S. Tharun | | S. Tharun | S. Tharun | |
| 42 | 21X45A0342 | | T. Chaitanya | | T. Chaitanya | | |
| 43 | 21X45A0343 | | T. V. Devi | | T. V. Devi | | |
| 44 | 21X45A0344 | | Sivasekhar | | Sivasekhar | | |
| 45 | 21X45A0345 | | Vijay | | Vijay | | |

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## DEPARTMENT OF MECHANICAL ENGINEERING

### IV/IV B. TECH – I SEMESTER

### CIRCULAR

Date: 16/05/2023

This is to inform all the students of IV/IV B. TECH, Mechanical Engineering, as per decision of the Departmental Academic Committee, the **Fundamentals of Electric Vehicles** subject will be offered by the EEE Department as an OE - 3 elective and **Elements of Civil Engineering subject** will be offered by the Civil department as an OE – 4 electives for the academic year 2023-24, I Semester.

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KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF MECHANICAL ENGINEERING

### III B.TECH I SEMESTER

| S No | Code | Course Title | Hours | | | Credits |
|---|---|---|---|---|---|---|
| | | | L | T | P | |
| 1 | PCC-7 | Thermal Engineering-II | 3 | 0 | 0 | 3 |
| 2 | PCC-8 | Design of Machine Members-I | 3 | 0 | 0 | 3 |
| 3 | PCC-9 | Machining, Machine Tools & Metrology | 3 | 0 | 0 | 3 |
| 4 | OE-1 | 1. Sustainable Energy Technologies<br>2. Operations Research<br>3. Nano Technology<br>4. Thermal Management of Electronic systems | 3 | 0 | 0 | 3 |
| 5 | PE-1 | 1. Finite Element Methods<br>2. Industrial Robotics<br>3. Advanced Materials<br>4. Renewable Energy Sources<br>5. Mechanics of Composites<br>6. MOOCs (NPTEL/ Swayam) Course (12 Week duration) | 3 | 0 | 0 | 3 |
| 6 | PCC-L6 | Machine Tools Lab | 0 | 0 | 3 | 1.5 |
| 7 | PCC-L7 | Thermal Engineering Lab | 0 | 0 | 3 | 1.5 |
| 8 | SOC-3 | Advanced Communication Skills Lab | 1 | 0 | 2 | 2 |
| 9 | MC – 4 | Professional Ethics and Human Values | 2 | 0 | 0 | 0 |
| Evaluation of Summer Internship which is completed at the end of II B.Tech II Semester | | | | | | 1.5 |
| | | | **Total credits** | | | **21.5** |
| Honors/Minor courses | | | **4** | **0** | **0** | **4** |

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DEPARTMENT OF MECHANICAL ENGINEERING

Date: 08/05/2023

## III/IV B. TECH – I SEMESTER

## CIRCULAR FOR PE - 1 ELECTIVE OFFERED

The following subjects are offered as PE - 1 for III/IV B. TECH, Mechanical Engineering students for the academic year 2023-24, I Semester (R20). Hence all the students are instructed to choose a PE – 1 subject among the options in the given format, on or before 12/05/2023. The details of the syllabus are enclosed.

**PE - 1**

1. Finite Element Methods
2. Industrial Robotics
3. Advanced Materials
4. Renewable Energy Sources
5. Mechanics of Composites
6. MOOCS (NPTEL/Swayam) Course (12 Week Duration)

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# DEPARTMENT OF MECHANICAL ENGINEERING

## LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: III/I Section-I**

| S. No. | Roll No. | PE - 1 | | | | | |
|---|---|---|---|---|---|---|---|
| | | Finite Element Methods | Industrial Robotics | Advanced Materials | Renewable Energy Sources | Mechanics of Composites | MOOCS (NPTEL/Swayam) |
| 1 | 21X41A0302 | | | N. Sai | | | |
| 2 | 22X45A0301 | | | Vijay | | | |
| 3 | 22X45A0302 | | | | Ch. Dravakar | | |
| 4 | 22X45A0303 | | Jaichandra | | | | |
| 5 | 22X45A0304 | | | Swami | | | |
| 6 | 22X45A0305 | | | | | T. Vishnu Vardhan | |
| 7 | 22X45A0306 | | | K. Jay | | | |
| 8 | 22X45A0307 | | | K. Ajay | | | |
| 9 | 22X45A0308 | | | K. Sai | | | |
| 10 | 22X45A0309 | | | Someshkhar | | | |
| 11 | 22X45A0310 | | | K. Tharun Kumar | | | |
| 12 | 22X45A0311 | | | Keerthi | | | |
| 13 | 22X45A0312 | | | | M. Praveen | | |
| 14 | 22X45A0313 | | | Bhargav | | | |
| 15 | 22X45A0314 | Sanjay | | | | | |
| 16 | 22X45A0315 | | | P. Harsha | | | |
| 17 | 22X45A0316 | | Vijay | | | | |
| 18 | 22X45A0317 | | | T. Balaji | | | |
| 19 | 22X45A0318 | | | Sai Ram | | | |
| 20 | 22X45A0319 | | | Pranavanth | | | |
| 21 | 22x45A0320 | | | Aravind | | | |
| 22 | 22x45A0321 | | | | U. Saranya | | |

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## DEPARTMENT OF MECHANICAL ENGINEERING

### III/IV B. TECH – I SEMESTER

### CIRCULAR

Date: 16/05/2023

This is to inform all the students of III/IV B. TECH, Mechanical Engineering, as per decision of the Departmental Academic Committee, the **Advanced Materials** subject offered as a PE - 1 elective for the academic year 2023-24, I Semester.

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**KAKINADA – 533 003, Andhra Pradesh, India**

**DEPARTMENT OF CIVIL ENGINEERING**

## OPEN ELECTIVES R20

**(4 OE x 3 = 12 Credits)**

**Note: Student must choose subjects which were not opted earlier.**

**(OE Starts from III-I)**

**Open Elective-1 in III year I semester:**

a) Strength of Materials
b) Fluid Mechanics
c) Surveying and Geomatics

**Open Elective-2 in III year II semester:**

a) Elements of Civil Engineering
b) Environmental Engineering
c) Disaster Management

**Open Elective-3 in IV year I semester:**

a) Highway Engineering
b) Safety Engineering
c) Environmental Management
d) Urban Planning

**Open Elective-4 in IV year II semester:**

a) Water Resource Engineering
b) Hydraulics and Hydraulic Machinery
c) Green Technologies
d) Remote Sensing & GIS

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DEPARTMENT OF MECHANICAL ENGINEERING

Date: 08/05/2023

## III/IV B. TECH – I SEMESTER

## CIRCULAR FOR OE - 1 ELECTIVE OFFERED

The following subjects are offered as OE - 1 for III/IV B. TECH, Mechanical Engineering students for the academic year 2023-24, I Semester (R20). Each subject has been offered by various departments. Hence all the students are instructed to choose an OE – 1 subject among the options in the given format, on or before 12/05/2023. The details of the syllabus are enclosed.

**OE - 1**

1. Electronic Measurements and Instrumentation (ECE)
2. Concepts of Optimization Techniques (EEE)
3. Environmental Management (CE)

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# DEPARTMENT OF MECHANICAL ENGINEERING

## LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: III/I Section-I**

| S. No. | Roll No. | OE - 1 | | |
|---|---|---|---|---|
| | | Electronic Measurements and Instrumentation (ECE) | Concepts of Optimization Techniques (EEE) | Environmental Management (CE) |
| 1 | 21X41A0302 | N. Satish | | |
| 2 | 22X45A0301 | | | Vijay |
| 3 | 22X45A0302 | | | C.H. Dhruvan |
| 4 | 22X45A0303 | | | Jaichandra |
| 5 | 22X45A0304 | | Swami | |
| 6 | 22X45A0305 | | | J. Vishnuvardan |
| 7 | 22X45A0306 | | U. Jayanth | |
| 8 | 22X45A0307 | | | K. Ajay |
| 9 | 22X45A0308 | | K. Sai | |
| 10 | 22X45A0309 | | | Someshekar |
| 11 | 22X45A0310 | | | M. Tharun Kumar |
| 12 | 22X45A0311 | | | L. Leelaprasad |
| 13 | 22X45A0312 | | M. Praveen | |
| 14 | 22X45A0313 | | | P. Shanthakumar |
| 15 | 22X45A0314 | | Sanjay | |
| 16 | 22X45A0315 | | | Harsha Madhu |
| 17 | 22X45A0316 | | | Uday |
| 18 | 22X45A0317 | | | T. Kalyan |
| 19 | 22X45A0318 | | | Sai Ram |
| 20 | 22X45A0319 | | | Dharanikumar |
| 21 | 22x45A0320 | | | G. Phanindra |
| 22 | 22x45A0321 | | Saranya | |

HOD/Date

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## DEPARTMENT OF MECHANICAL ENGINEERING

### III/IV B. TECH – I SEMESTER

Date: 16/05/2023

### CIRCULAR

This is to inform all the students of III/IV B. TECH, Mechanical Engineering, as per decision of the Departmental Academic Committee, the **Environmental Management** subject will be offered by CE Department as an OE - 1 elective for the academic year 2023-24, I Semester.

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF MECHANICAL ENGINEERING

### III B.TECH II SEMESTER

| S.No | Code | Course Title | Hours | | | Credits |
|---|---|---|---|---|---|---|
| | | | L | T | P | |
| 1 | PCC-10 | Heat Transfer | 3 | 0 | 0 | 3 |
| 2 | PCC-11 | Design of Machine Members-II | 3 | 0 | 0 | 3 |
| 3 | PCC-12 | Introduction to Artificial Intelligence and Machine Learning | 3 | 0 | 0 | 3 |
| 4 | PE-2 | 1.Automobile Engineering<br>2.Smart Manufacturing<br>3.Advanced Mechanics of Solids<br>4.Statistical Quality Control<br>5.Industrial Hydraulics and Pneumatics<br>6.MOOCs (NPTEL/ Swayam) Course (12 Week duration) | 3 | 0 | 0 | 3 |
| 5 | OE-2 | 1.Industrial Robotics<br>2.Essentials of Mechanical Engineering<br>3.Advanced Materials<br>4.Introduction to Automobile Engineering | 3 | 0 | 0 | 3 |
| 6 | PCC-L8 | Heat Transfer Lab | 0 | 0 | 3 | 1.5 |
| 7 | PCC-L9 | CAE&CAM Lab | 0 | 0 | 3 | 1.5 |
| 8 | PCC-L10 | Measurements & Metrology Lab | 0 | 0 | 3 | 1.5 |
| 9 | SOC-4 | Artificial Intelligence and Machine Learning Lab | 0 | 0 | 4 | 2 |
| 10 | MC - 5 | Research Methodology and IPR | 2 | 0 | 0 | 0 |
| | | | **Total credits** | | | **21.5** |
| Honors/Minor courses | | | **4** | 0 | 0 | **4** |

* At the end of III Year II Semester, students shall complete summer internship spanning between 1 to 2 months at Industries/ Higher Learning Institutions/ APSSDC.

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## DEPARTMENT OF MECHANICAL ENGINEERING

### III/IV B. TECH – II SEMESTER

### CIRCULAR FOR PE – 2 ELECTIVES OFFERED

Date: 23/11/2023

The following courses are offered as a PE – 2 for III/IV B. TECH, Mechanical Engineering students for the academic year 2023-24, II Semester (R20). Hence all the students are instructed to choose PE – 2 course among the options in the given format, on or before 28/11/2023. The details of the syllabus are enclosed.

**PE - 2**

1. Automobile Engineering
2. Smart Manufacturing
3. Advanced Mechanics of Solids
4. Statistical Quality Control
5. Industrial Hydraulics and Pneumatics
6. MOOCs (NPTEL/ Swayam) Course (12 Week duration)

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## DEPARTMENT OF MECHANICAL ENGINEERING

## LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: III/II**

| S. No. | Roll No. | PE - 2 | | | | | |
|---|---|---|---|---|---|---|---|
| | | Automobile Engineering | Smart Manufacturing | Advanced Mechanics of solids | Statistical Quality Control | Industrial hydraulics and Pneumatics | MOOCS (NPTEL/Swayam) |
| 1 | 21X41A0302 | N. Saranya | | | | | |
| 2 | 22X45A0301 | B. Vani | | | | | |
| 3 | 22X45A0302 | Ch. Divakar | | | | | |
| 4 | 22X45A0303 | D. Yedukondalu | | | | | |
| 5 | 22X45A0304 | | J. Vishnu | | | | |
| 6 | 22X45A0305 | K. Jyothi | | | | | |
| 7 | 22X45A0306 | K. Ajay | | | | | |
| 8 | 22X45A0307 | K. Sai | | | | | |
| 9 | 22X45A0308 | | | K. SonaSekhar | | | |
| 10 | 22X45A0309 | Ch. Jayachan | | | | | |
| 11 | 22X45A0310 | U. Tharun | | | | | |
| 12 | 22X45A0311 | Ubaid | | | | | |
| 13 | 22X45A0312 | M. Praveen | | | | | |
| 14 | 22X45A0313 | M. Bhalathi | | | | | |
| 15 | 22X45A0314 | | N. Sanjay Kumar | | | | |
| 16 | 22X45A0315 | P. Harsha | | | | | |
| 17 | 22X45A0316 | P. Uday | | | | | |
| 18 | 22X45A0317 | T. Kalyan | | | | | |
| 19 | 22X45A0318 | T. Sai Rahul | | | | | |
| 20 | 22X45A0319 | V. N. Dhanu | | | | | |
| 21 | 22X45A0320 | Ramu | | | | | |
| 22 | 22X45A0321 | K. Saranya | | | | | |

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## DEPARTMENT OF MECHANICAL ENGINEERING

## III/IV B. TECH – II SEMESTER

## CIRCULAR

Date: 30/11/2023

This is to inform all the students of III/IV B. TECH, Mechanical Engineering, as per decision of the Departmental Academic Committee, the **Automobile Engineering** course offered as a PE - 2 elective for the academic year 2023-24, II Semester.

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA – 533 003, Andhra Pradesh, India
## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**Open Electives offered by EEE Department for Other Branches (Except EEE Branch)**

### Open Elective-I:

| | |
|---|---|
| 1. | Renewable Energy Sources |
| 2. | Concepts of Optimization Techniques |
| 3. | Concepts of Control Systems |

### Open Elective-II:

| | |
|---|---|
| 1. | Battery Management Systems and Charging Stations |
| 2. | Fundamentals of utilization of Electrical Energy |
| 3. | Indian Electricity Act |

### Open Elective-III:

| | |
|---|---|
| 1. | Concepts of Microprocessors and Microcontrollers |
| 2. | Fundamentals of Electric Vehicles |
| 3. | Concepts of Internet of Things |

### Open Elective-IV:

| | |
|---|---|
| 1. | Concepts of Power System Engineering |
| 2. | Concepts of Smart Grid Technologies |

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## DEPARTMENT OF MECHANICAL ENGINEERING

## III/IV B. TECH – II SEMESTER

## CIRCULAR FOR OPEN ELECTIVE – II OFFERED

Date: 23/11/2023

The following courses are offered as an Open Elective - II for III/IV B. TECH, Mechanical Engineering students for the academic year 2023-24, II Semester (R20). Each course has been offered by various departments. Hence all the students are instructed to choose an Open Elective – II course among the options in the given format, on or before 28/11/2023. The details of the syllabus are enclosed.

**OPEN ELECTIVE – II**

1. Electronic Measurements and Instrumentation (ECE)
2. Disaster Management (Civil Engineering)
3. Fundamentals of utilization of Electrical Energy (EEE)

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## DEPARTMENT OF MECHANICAL ENGINEERING

## LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24** **Year/Semester: III/II**

| S. No. | Roll No. | OE - 2 | | |
|---|---|---|---|---|
| | | Electronic Measurements and Instrumentation (ECE) | Disaster Management (Civil) | Fundamentals of utilization of Electrical Energy (EEE) |
| 1 | 21X41A0302 | | | N. Sasank |
| 2 | 22X45A0301 | | | B. Vaas |
| 3 | 22X45A0302 | | | Ch. Divakar |
| 4 | 22X45A0303 | | | D. Yedukondalu |
| 5 | 22X45A0304 | | | J. Vishnu |
| 6 | 22X45A0305 | | | K. Jayale |
| 7 | 22X45A0306 | | | K. Ajay |
| 8 | 22X45A0307 | | | K. Sai |
| 9 | 22X45A0308 | | | K. SomaSekhar. |
| 10 | 22X45A0309 | | | Ch. Jayachan |
| 11 | 22X45A0310 | | | G. Tharun |
| 12 | 22X45A0311 | | | Ch. Sai |
| 13 | 22X45A0312 | | M. Bharath | |
| 14 | 22X45A0313 | | | N. Sanjay Kum |
| 15 | 22X45A0314 | | | P. Harsha |
| 16 | 22X45A0315 | | | P. Uday |
| 17 | 22X45A0316 | | | T. Kalyan |
| 18 | 22X45A0317 | | | T. Sai Rahul. |
| 19 | 22X45A0318 | | | V. Rahul |
| 20 | 22X45A0319 | | | V. N. Dhan |
| 21 | 22X45A0320 | Ram | | |
| 22 | 22X45A0321 | K. Saranya | | |

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## DEPARTMENT OF MECHANICAL ENGINEERING

### III/IV B. TECH – II SEMESTER

### CIRCULAR

Date: 30/11/2023

This is to inform all the students of III/IV B. TECH, Mechanical Engineering, as per decision of the Departmental Academic Committee, the **Fundamentals of Utilization of Electrical Energy** course will be offered by the EEE Department as an open elective – 2 for the academic year 2023-24, II Semester.

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**


## ELECTIVES OFFERED

The following elective subjects are offered for III/IV B.Tech Electronics And Communication Engineering students for the academic year 2023-24 II Semester. Please exercise the elective options in the format given.

### LIST OF ELECTIVES

### PROFESSIONAL ELECTIVE-II

1. Microwave Engineering
2. Mobile and Cellular Communication
3. Embedded Systems
4. CMOS Analog IC Design

### OPEN ELCTIVE-II

1. Python Programming
2. Industrial Robotics
3. AI & ML for Robotics

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

LIST: B.TECH II SEMESTER SECTION I A.Y.2023-24

| S.NO | ROLL NO | STUDENT NAME | PE | | | | OE-II | | | SIGNATURE |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | MICROWAVE ENGINEERING | MOBILE & CELLULAR COMMUNICATION | EMBEDDED SYSTEMS | CMOS ANALOG IC DESIGN | PYTHON PROGRAMMING | INDUSTRIAL ROBOTICS | AI & ML FOR ROBOTICS | |
| 1 | 21X41A0401 | ANKAM MANIKANTA SWAMY | | | ✓ | | ✓ | | | A. Swamy |
| 2 | 21X41A0402 | ANNEPU NANDA KRISHNA | | | ✓ | | ✓ | | | A. Nanda Krishna |
| 3 | 21X41A0403 | NARTHU SUNDARRAO | | | ✓ | | ✓ | | | N. Sundar Rao |
| 4 | 21X41A0404 | BALAGAM VINAY ROHIT | | | ✓ | | ✓ | | | B. Vinay Rohit |
| 5 | 21X41A0405 | BOMMI NAVYIKA | | | ✓ | | ✓ | | | B. Navyika |
| 6 | 21X41A0406 | BONTHU PRASANNA KUMAR | | | ✓ | | ✓ | | | B. Prasanna Kumar |
| 7 | 21X41A0407 | BUSAM POORNESH | | | ✓ | | ✓ | | | B. Poornesh |
| 8 | 21X41A0408 | DERANGULA VENKATA PRAVEEN | | | ✓ | | ✓ | | | D.V. Praveen |
| 9 | 21X41A0409 | CHINTADA BALAJI | | | ✓ | | ✓ | | | Balaji |
| 10 | 21X41A0410 | CHITTI SAI KUMAR | | | ✓ | | ✓ | | | Sai Kumar |
| 11 | 21X41A0411 | CHUKKA BHAVANARAYANA | | | ✓ | | ✓ | | | Bhavanarayana |
| 12 | 21X41A0412 | DAMARLA LEELA KARTHIK SRIRAM | | | ✓ | | ✓ | | | D. Lk. Sriram |
| 13 | 21X41A0413 | DAMODARA BHASKAR RAO | | | ✓ | | ✓ | | | Bhaskar Rao |
| 14 | 21X41A0414 | DASA VENKATAGOPI | | | ✓ | | ✓ | | | D. Venkata Gopi |
| 15 | 21X41A0415 | DEEVELA RAVI TEJA | | | ✓ | | ✓ | | | D. Ravi Teja |
| 16 | 21X41A0416 | EJJIGANI RAMYASRI | | | ✓ | | ✓ | | | Ramyasri |
| 17 | 21X41A0417 | GADDE NAGA POOJITHA | | | ✓ | | ✓ | | | Poojitha |
| 18 | 21X41A0418 | GARIKIPATI KRISHNAVENI AKSHITHA | | | ✓ | | ✓ | | | G. Akshitha |
| 19 | 21X41A0419 | GARLAPATI SRI MADHAVI | | | ✓ | | ✓ | | | madhavi |
| 20 | 21X41A0420 | GELLA AJITH | | | ✓ | | ✓ | | | G. Ajith |
| 21 | 21X41A0421 | GULLAPUDI N V S JANARDHANA SAI KRISHNA | | | ✓ | | ✓ | | | G. Sai Krishna |
| 22 | 21X41A0422 | GUNUPURU MANASA | | | ✓ | | ✓ | | | Manasa |
| 23 | 21X41A0423 | GURIVINDAPALLI VAMSI | | | ✓ | | ✓ | | | G. Vamsi |
| 24 | 21X41A0424 | JAMPANA BHARGAV | | | ✓ | | ✓ | | | J. Bharga |
| 25 | 21X41A0425 | KALAPARTHI DEVENDRA SIVA KUMAR | | | ✓ | | ✓ | | | K. D. Siva |
| 26 | 21X41A0426 | KANAPARTHI YUGANDHAR | | | ✓ | | ✓ | | | Yugandhar |
| 27 | 21X41A0427 | KANNA CHAKRA VARDHAN | | | ✓ | | ✓ | | | Chakra |
| 28 | 21X41A0428 | KATIKALA NIKHILA SRI | | | ✓ | | ✓ | | | K. Nikhila |
| 29 | 21X41A0430 | KAVURI RAM MOHAN | | | ✓ | | ✓ | | | K. R |
| 30 | 21X41A0431 | KODURI KAVYA | | | ✓ | | ✓ | | | K. Kavya |
| 31 | 21X41A0432 | KOLLU RAVI SANKAR | | | ✓ | | ✓ | | | K. Ravi Sankar |
| 32 | 21X41A0433 | KOMMUGURI PAUL DAVID RAJU | | | ✓ | | ✓ | | | P |
| 33 | 21X41A0434 | LOTLA USHA KUMARI | | | ✓ | | ✓ | | | L |
| 34 | 21X41A0435 | MALICHARLA CHANTI | | | ✓ | | ✓ | | | M. Chanti |
| 35 | 21X41A0436 | MARRI SANJAY | | | ✓ | | ✓ | | | M. Sanjay |

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|---|---|---|---|---|---|---|---|---|---|---|
| 36 | 21X41A0437 | MODUGU MRUDHULA | | | ✓ | | ✓ | | | |
| 37 | 21X41A0438 | MOHAMMAD ISMATULLA KHAN | | | ✓ | | ✓ | | | |
| 38 | 21X41A0439 | MOHAMMAD REENA | | | ✓ | | ✓ | | | |
| 39 | 21X41A0440 | MUDRABOYINA ANJALI | | | ✓ | | ✓ | | | |
| 40 | 21X41A0441 | MULAGANI SUBBA REDDY | | | ✓ | | ✓ | | | |
| 41 | 21X41A0442 | MURARI CHANDU HARINI | | | ✓ | | ✓ | | | |
| 42 | 21X41A0443 | NARSHGIRI UDAY PAVAN | | | ✓ | | ✓ | | | |
| 43 | 21X41A0445 | NUNE TULASIRAO | | | ✓ | | ✓ | | | |
| 44 | 21X41A0446 | PALLAPOTHU V N D SAI SIVARAM | | | ✓ | | ✓ | | | |
| 45 | 21X41A0447 | PANCHAKARLA KEERTHANA | | | ✓ | | ✓ | | | |
| 46 | 21X41A0448 | POLAKI GEETHARANI | | | ✓ | | ✓ | | | |
| 47 | 21X41A0449 | PRABHALA VENKATA NAGA SAISIRISHA | | | ✓ | | ✓ | | | |
| 48 | 21X41A0450 | PRAGADA POOJITHA | | | ✓ | | ✓ | | | |
| 49 | 21X41A0451 | PRATHIPATI REVANTH VARMA | | | ✓ | | ✓ | | | |
| 50 | 21X41A0453 | PUPPALA VENKATA SWAMY | | | ✓ | | ✓ | | | |
| 51 | 21X41A0454 | REMALLI JOHN WESLEY | | | ✓ | | ✓ | | | |
| 52 | 21X41A0455 | SHAIK FAZULU | | | ✓ | | ✓ | | | |
| 53 | 21X41A0456 | SHAIK NAGUL MEERA | | | ✓ | | ✓ | | | |
| 54 | 21X41A0457 | SIMHAMBHATLA KRISHNAVAMSI | | | ✓ | | ✓ | | | |
| 55 | 21X41A0458 | SYED BILAL | | | ✓ | | ✓ | | | |
| 56 | 21X41A0459 | TUMMIGUNTA HARSHITHA | | | ✓ | | ✓ | | | |
| 57 | 21X41A0460 | TAGORE VISWANATH SANNALA | | | ✓ | | ✓ | | | |
| 58 | 21X41A0461 | VEMULA DURGA BHAVANI | | | ✓ | | ✓ | | | |
| 59 | 21X41A0462 | VISHNUMOLAKALA SADHIKA | | | ✓ | | ✓ | | | |
| 60 | 21X41A0463 | VARAKARAJU VAGDEVI | | | ✓ | | ✓ | | | |
| 61 | 21X41A0464 | YATRA BHARGAVI | | | ✓ | | ✓ | | | |
| 62 | 22X45A0401 | MADIPELLI JHANSI RANI | | | ✓ | | ✓ | | | |
| 63 | 22X45A0402 | GOTTIPARTHI MOUNIKA | | | ✓ | | ✓ | | | |
| 64 | 22X45A0403 | BODDU MANASA | | | ✓ | | ✓ | | | |
| 65 | 22X45A0404 | MUPPIDI VIDHYA SRI | | | ✓ | | ✓ | | | |
| 66 | 22X45A0405 | JOJO ANISHA | | | ✓ | | ✓ | | | |
| 67 | 22X45A0406 | REMINISETTY NAVEEN BABU | | | ✓ | | ✓ | | | |
| 68 | 22X45A0407 | VAKA MANASA | | | ✓ | | ✓ | | | |
| 69 | 20X41A0426 | K N DINESH KUMAR | | | ✓ | | ✓ | | | |
| 70 | 20X41A0448 | PALAGANI SRAVYA | | | ✓ | | ✓ | | | |

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

III/IV B.TECH II SEMESTER SECTION II ROLL LIST A.Y.2023-24

| | | | PE | | | | OE-II | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| S NO | ROLL NO | STUDENT NAME | MICROWAVE ENGINEERING | MOBILE & CELLULAR COMMUNICATION | EMBEDDED SYSTEMS | CMOS ANALOG IC DESIGN | PYTHON PROGRAMMING | INDUSTRIAL ROBOTICS | AI & ML FOR ROBOTICS | SIGNATURE |
| 1 | 21X41A0465 | CHADARAM RUTHWIQ | | | ✓ | | ✓ | | | Ch. Ruthwik |
| 2 | 21X41A0467 | CHEDURI KAMAL TEJ | | | ✓ | | ✓ | | | Ch. Kamal Tej |
| 3 | 21X41A0468 | CHENNU NAGENDRA BABU | | | ✓ | | ✓ | | | Ch. Nagendra |
| 4 | 21X41A0469 | CHERUKURU NIHARIKA | | | ✓ | | ✓ | | | Niharika C |
| 5 | 21X41A0470 | CHINTHA NAGA PRASANNA | | | ✓ | | ✓ | | | Ch. N. prasanna |
| 6 | 21X41A0471 | CHINTHAM VENU | | | ✓ | | ✓ | | | Ch. Venu |
| 7 | 21X41A0472 | DASARI LAKSHMI PRASANNA | | | ✓ | | ✓ | | | D. L. Prasanna |
| 8 | 21X41A0474 | DUDLA RAJESH | | | ✓ | | ✓ | | | D. Rajesh |
| 9 | 21X41A0475 | GANDI RAGHUPATHI | | | ✓ | | ✓ | | | G. Raghupathi |
| 10 | 21X41A0477 | GUDAVALLI AMULYA | | | ✓ | | ✓ | | | G. Amulya |
| 11 | 21X41A0478 | GUNDALA KRANTHI KUMAR | | | ✓ | | ✓ | | | G. Kranthi Kumar |
| 12 | 21X41A0479 | KONIKINENI TARAKA VENKATA CHALAPATHI RAO | | | ✓ | | ✓ | | | K. T. V. Chalapathi |
| 13 | 21X41A0480 | MUDRABOINA VENKATA CHAITANYA | | | ✓ | | ✓ | | | Chaitanya M |
| 14 | 21X41A0482 | MADARI VENKATESH | | | ✓ | | ✓ | | | M. Venkatesh |
| 15 | 21X41A0483 | MANTRI MOUNIKA | | | ✓ | | ✓ | | | M. Mounika |
| 16 | 21X41A0484 | MARAPAKALA MAHENDRA | | | ✓ | | ✓ | | | M. Mahendra |
| 17 | 21X41A0485 | MOLLETI YUVASRI SRINIVAS | | | ✓ | | ✓ | | | M. Srinivas |
| 18 | 21X41A0486 | MOTHUKURI SAHITHI | | | ✓ | | ✓ | | | M. Sahithi |
| 19 | 21X41A0487 | NAGIREDDY JYOTHI BHAVANI | | | ✓ | | ✓ | | | N. Jothi |
| 20 | 21X41A0488 | NANDETI PRESES | | | ✓ | | ✓ | | | N. presey |
| 21 | 21X41A0489 | PALAVALASA SAI SRIRAM | | | ✓ | | ✓ | | | P. Sai Sriram |
| 22 | 21X41A0490 | PAMARTHI JAHNAVI | | | ✓ | | ✓ | | | P. Jahnavi |
| 23 | 21X41A0491 | PONALI PRASANNA DEEPIKA | | | ✓ | | ✓ | | | P. P. Deepika |
| 24 | 21X41A0492 | PRATHIPATI PRATHIBHA | | | ✓ | | ✓ | | | P. Prathibha |
| 25 | 21X41A0493 | RACHAMANTI VANI | | | ✓ | | ✓ | | | R. Vani |
| 26 | 21X41A0494 | RASAPUTRA KARTHIK SINGH | | | ✓ | | ✓ | | | R. Karthik singh |
| 27 | 21X41A0495 | SAREPALLI SAI DURGA | | | ✓ | | ✓ | | | S. Sai Durga |
| 28 | 21X41A0496 | SHAIK JIKRIYA | | | ✓ | | ✓ | | | Sk. Jikriya |
| 29 | 21X41A0497 | SUNKARA NAGA RAJU | | | ✓ | | ✓ | | | S. Naga Raju |
| 30 | 21X41A0498 | SURATHA RAMYA | | | ✓ | | ✓ | | | S. Ramya |

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 21X41A0499 | SUSARLA MANDALAPUDI | | | ✓ | | ✓ | | | M. Susanna |
| 32 | 21X41A04A1 | THOTA SAI LAKSHMI LATHA | | | ✓ | | ✓ | | | T. Sailaxmi Latha |
| 33 | 21X41A04A2 | VALLURI PAVAN KUMAR | | | ✓ | | ✓ | | | V. Pavan. |
| 34 | 21X41A04A3 | VENNAPUSA LAKSHMI PRASANNA | | | ✓ | | ✓ | | | V.L. Prasanna |
| 35 | 21X41A04A4 | VORITERU MEGHAMALA | | | ✓ | | ✓ | | | V. Meghamala. |
| 36 | 21X41A04A5 | YANGALADASU JEEVA MADHURI | | | ✓ | | ✓ | | | Y. Madhuri |
| 37 | 21X41A04A6 | CHALAMALASETTY MOHITH | | | ✓ | | ✓ | | | Ch. Mohith |
| 38 | 21X41A04A8 | VASAM VINOSH | | | ✓ | | ✓ | | | V. Vinosh |
| 39 | 21X41A04B0 | NAGULWAR AKSHAY VENUGOPAL | | | ✓ | | ✓ | | | Akshay |
| 40 | 21X41A04B1 | KUNAPAREDDY MANOJ VENKATA ACHARI | | | ✓ | | ✓ | | | Manoj |
| 41 | 21X41A04B2 | GADDE VAMSIKRISHNA | | | ✓ | | ✓ | | | G. Vamsi |
| 42 | 21X41A04B3 | MUTHYALA CHANDRA KIRAN | | | ✓ | | ✓ | | | M. Chandrakiran |
| 43 | 21X41A04B4 | LANDA GNANESWARA RAO | | | ✓ | | ✓ | | | L. Gnaneswara Rao |
| 44 | 22X45A0408 | Ch MITHIN | | | ✓ | | ✓ | | | Ch. Mithin |
| 45 | 22X45A0409 | MARADA DHARANIJA | | | ✓ | | ✓ | | | M. Dharanija |
| 46 | 22X45A0410 | LAGUDU VENKATA NEELA LOHITHA | | | ✓ | | ✓ | | | L.V. Neelalohitha |
| 47 | 22X45A0411 | PAGOLU JAHNAVI | | | ✓ | | ✓ | | | P. Jahnavi |
| 48 | 22X45A0412 | CHILAKA RAVI KANTH | | | ✓ | | ✓ | | | Ch. Ravi Kanth |
| 49 | 22X45A0413 | MADUGULA VINAY KUMAR | | | ✓ | | ✓ | | | M. Vinay Kumar |
| 50 | 22X45A0414 | T. SAI GEETHIKA | | | ✓ | | ✓ | | | T. Geethika |
| 51 | 22X45A0415 | KOPPANATI YAMINI | | | ✓ | | ✓ | | | K. Yamini |
| 52 | 22X45A0416 | J SIVA SANKAR | | | ✓ | | ✓ | | | J. Siva Sankar |
| 53 | 22X45A0417 | R S RAGHUNANDHAN REDDY | | | ✓ | | ✓ | | | R.S. Reddy |
| 54 | 22X45A0418 | KV SIVARAM AJAY | | | ✓ | | ✓ | | | K. Ajay |
| 55 | 22X45A0419 | K HEMANTH | | | ✓ | | ✓ | | | K. Hemanth. |
| 56 | 22X45A0421 | V AJAY KUMAR | | | ✓ | | ✓ | | | V. Ajay Kumar |
| 57 | 22X45A0422 | R PRAMILA | | | ✓ | | ✓ | | | R. Pramila |
| 58 | 22X45A0423 | A NIKHITHA | | | ✓ | | ✓ | | | A. Nikhitha. |
| 59 | 22X45A0424 | E PRAVALLIKA | | | ✓ | | ✓ | | | E. Pravallika |
| 60 | 22X45A0425 | A ASWINI | | | ✓ | | ✓ | | | A. Aswini |
| 61 | 22X45A0426 | RAJULAPATI TARUN KUMAR | | | ✓ | | ✓ | | | R. Tarun |
| 62 | 22X45A0427 | MANEPALLI HEMA VARSHINI | | | ✓ | | ✓ | | | M. Hema |
| 63 | 22X45A0428 | GORRELA KRISHNA VENI | | | ✓ | | ✓ | | | G. Krishnaveni |

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**(ISO 9001:2015 Certified Institution)**

**Accredited by NAAC 'A' Grade**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

## CIRCULAR

This is to inform all the students of III/IV B.Tech Electronics and Communication Engineering as per the direction of Departmental Academic Committee and options exercised by students, **EMBEDDED SYSTEMS** subject is offered as **Professional Elective-II** subject and **PYTHON PROGRAMMING** subject is offered as **Open Elective-II** subject for the academic year 2023-24 Semester-II.

S. Sri Gowri
**HoD ECE**

Copy to: Faculty

Exam Section

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## ELECTIVES OFFERED

The following Elective Subjects are offered for III/IV B.TECH, Electronics and Communication Engineering students for the academic year 2023-24 I Semester. Please exercise the elective options in the format given.

### LIST OF ELECTIVES

### PROFESSIONAL ELECTIVE – I

1. Antenna and Wave Propagation
2. Electronic Measurements and Instrumentation
3. Computer Architecture & Organization

### OPEN ELECTIVE – I

1. Renewable Energy Sources
2. Computer Organization & Architecture
3. Environmental Pollution & Control

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## LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

**Academic Year :** 2023-24 **Section :** I **Year / Semester :** III / I

| S NO | ROLL NO | NAME OF THE STUDENT | Professional Elective-1 | | | Open Elective-1 | | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|
| | | | Antenna and Wave Propagation | Electronic Measurements and Instrumentation | Computer Architecture &Organization | Renewable Energy Sources | Computer Organization & Architecture | Environmental Pollution & Control | |
| 1 | 21X41A0401 | ANKAM MANIKANTA SWAMY | | ✓ | | | ✓ | | A. Swamy |
| 2 | 21X41A0402 | ANNEPU NANDA KRISHNA | | ✓ | | | ✓ | | A. Nanda Krishna |
| 3 | 21X41A0403 | NARTHU SUNDARRAO | | ✓ | | | ✓ | | N. Sundar Rao |
| 4 | 21X41A0404 | BALAGAM VINAY ROHIT | | ✓ | | | ✓ | | B. Vinay Rohit |
| 5 | 21X41A0405 | BOMMI SATHWIKA | | ✓ | | | ✓ | | B. Sathwika |
| 6 | 21X41A0406 | BONTHU PRASANNA KUMAR | | ✓ | | | ✓ | | B. Prasanna Kumar |
| 7 | 21X41A0407 | BUSAM POORNESH | | ✓ | | | ✓ | | B. Poornesh |
| 8 | 21X41A0408 | DERSNGULA VENKATA PRAVEEN | | ✓ | | | ✓ | | D. V. Praveen |
| 9 | 21X41A0409 | CHINTADA BALAJI | | ✓ | | | ✓ | | Ch. Balaji |
| 10 | 21X41A0410 | CHITTI SAI KUMAR | | ✓ | | | ✓ | | Ch. Saikumar |
| 11 | 21X41A0411 | CHUKKA BHAVANARAYANA | | ✓ | | | ✓ | | Ch. Bhavanarayana |
| 12 | 21X41A0412 | DAMARLA LEELA KARTHIK SRIRAM | | ✓ | | | ✓ | | D. L. K. Sri Ram |
| 13 | 21X41A0413 | DAMODARA BHASKAR RAO | | ✓ | | | ✓ | | D. Bhaskar Rao |
| 14 | 21X41A0414 | DASA VENKATAGOPI | | ✓ | | | ✓ | | D. Venkata Gopi |
| 15 | 21X41A0415 | DEEVELA RAVI TEJA | | ✓ | | | ✓ | | D. Ravi teja |
| 16 | 21X41A0416 | EJJIGANI RAMYASRI | | ✓ | | | ✓ | | Ramyasri. E |
| 17 | 21X41A0417 | GADDE NAGA POOJITHA | | ✓ | | | ✓ | | G. Poojitha |

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|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 21X41A0418 | GARIKIPATI KRISHNAVENI AKSHITHA | | ✓ | | | ✓ | | G.k.v.Akshitha |
| 19 | 21X41A0419 | GARLAPATI SRI MADHAVI | | ✓ | | | ✓ | | G.Sri Madhavi |
| 20 | 21X41A0420 | GELLA AJITH | | ✓ | | | ✓ | | G. Ajith |
| 21 | 21X41A0421 | GULLAPUDI N V S JANARDHANA SAI KRISHNA | | ✓ | | | ✓ | | G. Sai Krishna |
| 22 | 21X41A0422 | GUNUPURU MANASA | | ✓ | | | ✓ | | Manasa |
| 23 | 21X41A0423 | GURIVINDAPALLI VAMSI | | ✓ | | | ✓ | | Vamsi |
| 24 | 21X41A0424 | JAMPANA BHARGAV | | ✓ | | | ✓ | | J. Bhargav |
| 25 | 21X41A0425 | KALAPARTHI DEVENDRA SIVA KUMAR | | ✓ | | | ✓ | | K. D. Sivakumar |
| 26 | 21X41A0426 | KANAPARTHI YUGANDHAR | | ✓ | | | ✓ | | K. yuga andhar |
| 27 | 21X41A0427 | KANNA CHAKRA VARDHAN | | ✓ | | | ✓ | | K. chakravarthi |
| 28 | 21X41A0428 | KATIKALA NIKHILA SRI | | ✓ | | | ✓ | | Nikhila |
| 29 | 21X41A0430 | KAVURI RAM MOHAN | | ✓ | | | ✓ | | K. Ram mohan |
| 30 | 21X41A0431 | KODURI KAVYA | | ✓ | | | ✓ | | K. Kavya |
| 31 | 21X41A0432 | KOLLU RAVI SANKAR | | ✓ | | | ✓ | | Ravi Shankar |
| 32 | 21X41A0433 | KOMMUGURI PAUL DAVID RAJU | | ✓ | | | ✓ | | Raju |
| 33 | 21X41A0434 | LOTLA UHA KUMARI | | ✓ | | | ✓ | | uha |
| 34 | 21X41A0435 | MALICHARLA CHANTI | | ✓ | | | ✓ | | M. Chanti |
| 35 | 21X41A0436 | MARRI SANJAY | | ✓ | | | ✓ | | M. Sanjay |
| 36 | 21X41A0437 | MODUGU MRUDHULA | | ✓ | | | ✓ | | Mrudhula M |
| 37 | 21X41A0438 | MOHAMMAD ISMATULLA KHAN | | ✓ | | | ✓ | | Md. Ismatulla khan |
| 38 | 21X41A0439 | MOHAMMAD REENA | | ✓ | | | ✓ | | Md. Reena |
| 39 | 21X41A0440 | MUDRABOYINA ANJALI | | ✓ | | | ✓ | | M. Anjali |
| 40 | 21X41A0441 | MULAGANI SUBBA REDDY | | ✓ | | | ✓ | | M. Subba Reddy |
| 41 | 21X41A0442 | MURARI CHANDU HARINI | | ✓ | | | ✓ | | M. Chandu Harini |
| 42 | 21X41A0443 | NABHIGIRI UDAY PAVAN | | ✓ | | | ✓ | | N. Uday Pavan |
| 43 | 21X41A0445 | NUNE TULASIRAO | | ✓ | | | ✓ | | N. Tulasi Rao |
| 44 | 21X41A0446 | PALLAPOTHU V N D SAI SIVARAM | | ✓ | | | ✓ | | P. Sivaram. |
| 45 | 21X41A0447 | PANCHAKARLA KEERTHANA | | ✓ | | | ✓ | | P. keerthana |

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|---|---|---|---|---|---|---|---|---|---|
| 46 | 21X41A0448 | POLAKI GEETHARANI | | ✓ | | | ✓ | | P. Rubha |
| 47 | 21X41A0449 | PRABHALA VENKATA NAGA SAISIRISHA | | ✓ | | | ✓ | | P. Sirisha |
| 48 | 21X41A0450 | PRAGADA POOJITHA | | ✓ | | | ✓ | | P. Poojitha |
| 49 | 21X41A0451 | PRATHIPATI REVANTH VARMA | | ✓ | | | ✓ | | P. Revanthvarma |
| 50 | 21X41A0453 | PUPPALA VENKATA SWAMY | | ✓ | | | ✓ | | P. Venkataswamy |
| 51 | 21X41A0454 | REMALLI JOHN WESLEY | | ✓ | | | ✓ | | R. Johnklesley |
| 52 | 21X41A0455 | SHAIK FAZULU | | ✓ | | | ✓ | | SK. Fazulu |
| 53 | 21X41A0456 | SHAIK NAGUL MEERA | | ✓ | | | ✓ | | SK. Nagulmeera |
| 54 | 21X41A0457 | SIMHAMBHATLA KRISHNAVAMSI | | ✓ | | | ✓ | | S. Krishnavamsi |
| 55 | 21X41A0458 | SYED BILAL | | ✓ | | | ✓ | | Syed Bilal |
| 56 | 21X41A0459 | TUMMIGUNTA HARSHITHA | | ✓ | | | ✓ | | T. Harshitha |
| 57 | 21X41A0460 | TAGORE VISWANATH SANNALA | | ✓ | | | ✓ | | T. Viswanath |
| 58 | 21X41A0461 | VEMULA DURGA BHAVANI | | ✓ | | | ✓ | | V. DurgaBhavani |
| 59 | 21X41A0462 | VISHNUMOLAKALA SADHIKA | | ✓ | | | ✓ | | V. Sadhika |
| 60 | 21X41A0463 | YARAKARAJU VAGDEVI | | ✓ | | | ✓ | | Y. Vagdevi |
| 61 | 21X41A0464 | YATRA BHARGAVI | | ✓ | | | ✓ | | Y. Bhargavi |
| 62 | 22X45A0401 | MADIPILLI JHANSI RANI | | ✓ | | | ✓ | | M. JhansiRani |
| 63 | 22X45A0402 | GOTTIPARTHI MOUNIKA | | ✓ | | | ✓ | | G. Mounika |
| 64 | 22X45A0403 | BODDU MANASA | | ✓ | | | ✓ | | B. Manasa |
| 65 | 22X45A0404 | MUPPIDI VIDHYA SRI | | ✓ | | | ✓ | | M. Vidhya Sri |
| 66 | 22X45A0405 | JOJO ANISHA | | ✓ | | | ✓ | | |
| 67 | 22X45A0406 | REMINISETTY NAVEEN BABU | | ✓ | | | ✓ | | R. NAVEEN |
| 68 | 22X45A0407 | VAKA MANASA | | ✓ | | | ✓ | | V. Manasa |
| 69 | 20X41A0426 | K.N.DINESH KUMAR | | ✓ | | | ✓ | | |

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HOD/Date

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## LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

**Academic Year :** 2023-24 **Section :** II **Year / Semester :** III / I

| S NO | ROLL NO | NAME OF THE STUDENT | Professional Elective-1 | | | Open Elective-1 | | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|
| | | | Antenna and Wave Propagation | Electronic Measurements and Instrumentation | Computer Architecture &Organization | Renewable Energy Sources | Computer Organization & Architecture | Environmental Pollution & Control | |
| 1 | 21X41A0465 | CHADARAM RUTHWIQ | | ✓ | | | ✓ | | Ch.Ruthwik |
| 2 | 21X41A0466 | BOTTU VAMSI | | ✓ | | | ✓ | | B.Vamsi |
| 3 | 21X41A0467 | CHEDURI KAMAL TEJ | | ✓ | | | ✓ | | C.Kamal Tej |
| 4 | 21X41A0468 | CHENNU NAGENDRA BABU | | ✓ | | | ✓ | | Ch.Nagendra Babu |
| 5 | 21X41A0469 | CHERUKURU NIHARIKA | | ✓ | | | ✓ | | Niharika.Ch |
| 6 | 21X41A0470 | CHINTHA NAGA PRASANNA | | ✓ | | | ✓ | | Ch.Nagaprasanna |
| 7 | 21X41A0471 | CHINTHAM VENU | | ✓ | | | ✓ | | Ch.Venu |
| 8 | 21X41A0472 | DASARI LAKSHMI PRASANNA | | ✓ | | | ✓ | | D.L.Prasanna |
| 9 | 21X41A0474 | DUDLA RAJESH | | ✓ | | | ✓ | | D.Rajesh |
| 10 | 21X41A0475 | GANDI RAGHUPATHI | | ✓ | | | ✓ | | G.Raghupathi |
| 11 | 21X41A0476 | GARIKINA LAKSHMAN KUMAR | | ✓ | | | ✓ | | G.Lakshman |
| 12 | 21X41A0477 | GUDAVALLI AMULYA | | ✓ | | | ✓ | | G.Amulya |
| 13 | 21X41A0478 | GUNDALA KRANTHI KUMAR | | ✓ | | | ✓ | | G.Kranthi Kumar |
| 14 | 21X41A0479 | KONIKINENI TARAKA VENKATA CHALAPATHI RAO | | ✓ | | | ✓ | | K.T.V.Chalapathi Rao |
| 15 | 21X41A0480 | MUDRABOINA VENKATA CHAITANYA | | ✓ | | | ✓ | | M.V.Chaitanya |
| 16 | 21X41A0482 | MADARI VENKATESH | | ✓ | | | ✓ | | M.Venkatesh |
| 17 | 21X41A0483 | MANTRI MOUNIKA | | ✓ | | | ✓ | | M.Mounika |

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|---|---|---|---|---|---|---|---|---|---|
| 18 | 21X41A0484 | MARAPAKALA MAHENDRA | | ✓ | | | ✓ | | M.Mahendra |
| 19 | 21X41A0485 | MOLLETI YUVASRI SRINIVAS | | ✓ | | | ✓ | | M.Srinivas. |
| 20 | 21X41A0486 | MOTHUKURI SAHITHI | | ✓ | | | ✓ | | M.Sahithi |
| 21 | 21X41A0487 | NAGIREDDY JYOTHI BHAVANI | | ✓ | | | ✓ | | N.Jyothi |
| 22 | 21X41A0488 | NANDETI PRESESS | | ✓ | | | ✓ | | N. presess |
| 23 | 21X41A0489 | PALAVALASA SAI SRIRAM | | ✓ | | | ✓ | | P.Sai Sri Ram. |
| 24 | 21X41A0490 | PAMARTHI JAHNAVI | | ✓ | | | ✓ | | P.Jahnavi. |
| 25 | 21X41A0491 | PONALI PRASANNA DEEPIKA | | ✓ | | | ✓ | | Prasanna Deepika. |
| 26 | 21X41A0492 | PRATHIPATI PRATHIBHA | | ✓ | | | ✓ | | P. Prathibha |
| 27 | 21X41A0493 | RACHAMANTI VANI | | ✓ | | | ✓ | | R.Vani |
| 28 | 21X41A0494 | RASAPUTRA KARTHIK SINGH | | ✓ | | | ✓ | | R. Karthik Sing |
| 29 | 21X41A0495 | SAREPALLI SAI DURGA | | ✓ | | | ✓ | | S. sai Durga |
| 30 | 21X41A0496 | SHAIK JIKRIYA | | ✓ | | | ✓ | | Sk. Jikriya |
| 31 | 21X41A0497 | SUNKARA NAGA RAJU | | ✓ | | | ✓ | | S. Naga Raju. |
| 32 | 21X41A0498 | SURATHA RAMYA | | ✓ | | | ✓ | | S. Ramya |
| 33 | 21X41A0499 | SUSANNA MANDALAPUDI | | ✓ | | | ✓ | | M. Susanna |
| 34 | 21X41A04A0 | THOTA LEELADHAR | | ✓ | | | ✓ | | T. Leeladhar |
| 35 | 21X41A04A1 | THOTA SAI MADHU LATHA | | ✓ | | | ✓ | | T. Saimadhulatha |
| 36 | 21X41A04A2 | VALLURI PAVAN KUMAR | | ✓ | | | ✓ | | V. Pavan kumar |
| 37 | 21X41A04A3 | VENNAPUSA LAKSHMI PRASANNA | | ✓ | | | ✓ | | V.L. Prasanna |
| 38 | 21X41A04A4 | VONTERU MEGHAMALA | | ✓ | | | ✓ | | V. Meghamala. |
| 39 | 21X41A04A5 | YANGALADASU JEEVA MADHURI | | ✓ | | | ✓ | | Y. Jeevan dhuri |
| 40 | 21X41A04A6 | CHALAMALASETTY MOHITH | | ✓ | | | ✓ | | Ch. Mohith |
| 41 | 21X41A04A7 | BANDREDDY SAI BABU | | ✓ | | | ✓ | | B. Sai Babu. |
| 42 | 21X41A04A8 | VASAM VINOSH | | ✓ | | | ✓ | | V. Vinosh |
| 43 | 21X41A04B0 | NAGULWAR AKSHAY VENUGOPAL | | ✓ | | | ✓ | | |
| 44 | 21X41A04B1 | KUNAPAREDDY MANOJ VENKATA AKASH | | ✓ | | | ✓ | | K. M.V. Akash. |
| 45 | 21X41A04B2 | GADDE VAMSIKRISHNA | | ✓ | | | ✓ | | G. Vamsi |

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|---|---|---|---|---|---|---|---|---|---|
| 46 | 21X41A04B3 | MUTHYALA CHANDRA KIRAN | | ✓ | | | ✓ | | M. chandrakiran |
| 47 | 21X41A04B4 | LANDA GNANESWARA RAO | | ✓ | | | ✓ | | L. Gnaneswara Rao |
| 48 | 22X45A0408 | Ch NITHIN | | ✓ | | | ✓ | | Ch. Nithin. |
| 49 | 22X45A0409 | MARADA DHARANIJA | | ✓ | | | ✓ | | M. Dharanija |
| 50 | 22X45A0410 | LAGUDU VENKATA NEELA LOHITHA | | ✓ | | | ✓ | | L. Neela Lohitha |
| 51 | 22X45A0411 | PAGOLU JAHNAVI | | ✓ | | | ✓ | | P. Jahnavi |
| 52 | 22X45A0412 | CHILAKA RAVI KANTH | | ✓ | | | ✓ | | Ch. Ravi Kanth. |
| 53 | 22X45A0413 | MADUGULA VINAY KUMAR | | ✓ | | | ✓ | | M. Vinay Kumar |
| 54 | 22X45A0414 | THUMU GEETHIKA | | ✓ | | | ✓ | | T. Geethika. |
| 55 | 22X45A0415 | KOPPANATI YAMINI | | ✓ | | | ✓ | | K. Yamini |
| 56 | 22X45A0416 | J SIVA SANKAR | | ✓ | | | ✓ | | J. Siva Sankar |
| 57 | 22X45A0417 | R S RAGHUNANDHAN REDDY | | ✓ | | | ✓ | | R.S. Raghunandhan. |
| 58 | 22X45A0418 | KV SIVARAM AJAY | | ✓ | | | ✓ | | K. AJ AY |
| 59 | 22X45A0419 | K HEMANTH | | ✓ | | | ✓ | | K. Hemanth. |
| 60 | 22X45A0421 | V AJAY KUMAR | | ✓ | | | ✓ | | V. Ajay kumar |
| 61 | 22X45A0422 | R PRAMELA | | ✓ | | | ✓ | | R. Pramela. |
| 62 | 22X45A0423 | A NIKHITHA | | ✓ | | | ✓ | | A. Nikhitha. |
| 63 | 22X45A0424 | E PRAVALLIKA | | ✓ | | | ✓ | | E. Pravallika |
| 64 | 22X45A0425 | A ASWINI | | ✓ | | | ✓ | | A. Aswini |
| 65 | 22X45A0426 | RAJULAPATI TARUN KUMAR | | ✓ | | | ✓ | | R. Tarun Kumar |
| 66 | 22X45A0427 | MANEPALLI HEMA VARSHINI | | ✓ | | | ✓ | | M. Hema Varshini |
| 67 | 22X45A0428 | GORRELA KRISHNA VENI | | ✓ | | | ✓ | | G. Krishnaveni |
| 68 | 22X45A0429 | JAMPANA BAABJI | | ✓ | | | ✓ | | J. Baabji |

8
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| | | |
|---|---|---|
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## ELECTIVES OFFERED

The following Elective Subjects are offered for IV/IV B.TECH, Electronics and Communication Engineering students for the academic year 2023-24 I Semester. Please exercise the elective options in the format given.

### LIST OF ELECTIVES

**PROFESSIONAL ELECTIVE – 3**

1. Optical Communication
2. Digital Image Processing
3. Low Power VLSI Design

**PROFESSIONAL ELECTIVE – 4**

1. Satellite Communications
2. Soft Computing Techniques
3. Digital IC Design using CMOS

**PROFESSIONAL ELECTIVE – 5**

1. Radar Engineering
2. Pattern Recognition & Machine Learning
3. Internet of Things

**OPEN ELECTIVE – 3**

1. Cyber Security
2. Data Science

**OPEN ELECTIVE – 4**

1. Cloud Computing with AWS
2. Machine Learning with Python

**HOD ECE**

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## LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

**Academic Year : 2023-24** **Section : I** **Year / Semester : IV / I**

| S NO | ROLL NO | NAME OF THE STUDENT | Professional Elective-3 | | | Professional Elective-4 | | | Professional Elective-5 | | | Open Elective-3 | | Open Elective-4 | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Optical Communication | Digital Image Processing | Low Power VLSI Design | Satellite Communications | Soft Computing Techniques | Digital IC Design Using CMOS | Radar Engineering | Pattern Recognition & Machine Learning | Internet of Things | Cyber Security | Data Science | Cloud Computing with AWS | Machine Learning with Python | |
| 1 | 20X41A0401 | AMBATI MEGHA VARDHAN | | | ✓ | | ✓ | | ✓ | | | ✓ | | ✓ | | A. Megha |
| 2 | 20X41A0402 | ATHOTA MEGHANA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | A. Meghana |
| 3 | 20X41A0403 | BHOGADI GOPIKA NAVYA HARSHITHA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | B.G.N. Harshitha |
| 4 | 20X41A0404 | BANDI MOUNIKA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | B. Mounika. |
| 5 | 20X41A0405 | BHIMIREDDY LAKSHMI SAMANVITHA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | B. Lakshmi Samanvitha |
| 6 | 20X41A0406 | BOLLA VINEELA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | B. Vineela |
| 7 | 20X41A0407 | BOYAPATI SUPRIYA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | B. Supriya |
| 8 | 20X41A0408 | CHANDANA NAGA SATYA SAI DURGA HARSHITHA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | Ch. Harshitha |
| 9 | 20X41A0409 | CHILAKURI KOTESWARI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | Ch. Koteswari |
| 10 | 20X41A0410 | CHINNAM ASISH | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | Ch. Asish. |
| 11 | 20X41A0412 | DASARI SONIYA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | D. Soniya |
| 12 | 20X41A0413 | DASARI VAMSI KRISHNA | ✓ | | | ✓ | | | | | | ✓ | | ✓ | | D. Vamsi |
| 13 | 20X41A0415 | DEVINENI SAI KUMAR | | | ✓ | | ✓ | | ✓ | | | ✓ | | ✓ | | |
| 14 | 20X41A0416 | DHULIPUDI SRAVANI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | D. Sravani |
| 15 | 20X41A0417 | GOGULA SANDHYA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | G. Sandhya |
| 16 | 20X41A0418 | GOLTHI HEMA RAMESH | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | G. Hema Ramesh |
| 17 | 20X41A0419 | GOPISETTI GEETA NAGA PRIYANKA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | G. Priyanka |
| 18 | 20X41A0420 | GULUGULURI SUSEELA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | G. Suseela |

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| | | | OC | DSP | VLSI | SC | SCT | Block Chain | RE | PR | IOT | CS | DS | AWS | with Python | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 20X41A0421 | GURRAM BHARGAVI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | G. Bhargavi |
| 20 | 20X41A0422 | JONNA VENKATA KRISHNA VARA PRASAD | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | S. Vara Prasad |
| 21 | 20X41A0423 | JALIPARTHI SIVA KARTHIK | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | J. [illegible] |
| 22 | 20X41A0424 | JETTI MANIKANTA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | J. Manikanta |
| 23 | 20X41A0425 | KOMMINENI DIMPUL TEJA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Dimpul Teja |
| 24 | 20X41A0427 | KADALI SAI SATISH | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Satish |
| 25 | 20X41A0428 | KARANKI MAHESH | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Mahesh |
| 26 | 20X41A0429 | KARLAPALEM SRI MANASWINI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Sri Manaswini |
| 27 | 20X41A0431 | KODALI SUSHMA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Sushma |
| 28 | 20X41A0432 | KODATI NAGA SATYA SAI PRAKASH | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. N. S. Sai Prakash |
| 29 | 20X41A0433 | KOMMU PALLAVI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Pallavi |
| 30 | 20X41A0434 | KUMARAPU TARUN | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Tarun |
| 31 | 20X41A0435 | MADALA DEVI SRI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | M. Devi Sri |
| 32 | 20X41A0437 | MEKALA SRIKANTH REDDY | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | M. Srikanth Reddy |
| 33 | 20X41A0438 | MOHAMMAD AYAZ | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | MD Ayaz |
| 34 | 20X41A0439 | MOHAMMAD EDAYATULLA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | MD Edayat |
| 35 | 20X41A0440 | MOHAMMAD NAZILA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | Md. Nazila |
| 36 | 20X41A0442 | NALLABOTHULA NAGAMANI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | N. Nagamani |
| 37 | 20X41A0443 | NARAGIRINADHUNI AASRITHA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | Aasritha. N |
| 38 | 20X41A0444 | NARRA RUPESH | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | N. Rupesh |
| 39 | 20X41A0446 | NIDADHAVOLU VINEESHA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | N. Vineesha |
| 40 | 20X41A0447 | NUNNA MADHU | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | N. Madhu |
| 41 | 20X41A0449 | PALLIKONDA SUMASRI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | P. Sumasri |
| 42 | 20X41A0450 | PODDUTURI KHASIMBI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | P. Khasimbi |
| 43 | 20X41A0451 | POLAMURI DILEEP DURGA RAO | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | P. Dileep |
| 44 | 20X41A0452 | POTHIRINDI SIRISHA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | P. Sirisha |
| 45 | 20X41A0453 | PUTTA NAGA PHANINDRA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | P. Phani |
| 46 | 20X41A0454 | REPALLE THANMAI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | R. Thanmai |

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| | | | OC | DIP | Power VLSI | SC | SCT | Embed CMOS | RE | PR | IoT | CS | DS | AWS | Python | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 20X41A0455 | SANGATI VISWA TEJA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | S. Visva |
| 48 | 20X41A0456 | SANGABATTULA MANOJ | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | S. Manoj |
| 49 | 20X41A0457 | SHENIGE SRI CHAITANYA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | S. Srichaitanya |
| 50 | 20X41A0458 | SODISETTI SATHWIKA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | S. Sathwika. |
| 51 | 20X41A0459 | SOMISETTY YASHWANTH | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | S. Yashwanth |
| 52 | 20X41A0460 | TUMMALAGUNTA DIVYA SRI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | T. Divya Sri |
| 53 | 21X45A0401 | KANCHARLA GEETHANJALI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Geethanjali |
| 54 | 21X45A0402 | JUJJAVARAPU SAI PADMA SHREEYA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | J. Sai Padma. |
| 55 | 21X45A0403 | PENUGURTHI VINAY KUMAR | ✓ | | | ✓ | | | ✓ | | | ✓ | | ✓ | | P. Vinay kumar |
| 56 | 21X45A0404 | KOTHAPALLI VELANGINI | ✓ | | | ✓ | | | ✓ | | ✓ | ✓ | | ✓ | | Velangini |
| 57 | 21X45A0405 | MOHAMMAD SALEEM BEG | ✓ | | | ✓ | | | ✓ | | ✓ | ✓ | | ✓ | | Md. Saleem Beg |
| 58 | 21X45A0406 | PAMULA DEENA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | P. Deena |
| 59 | 21X45A0407 | TEKI BHAGYESH | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | T. Bhagyesh |
| 60 | 21X45A0408 | PINNAMANENI VENKAT RATNAM | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | P. Venkat R |
| 61 | 21X45A0409 | K HARSHA NITHIN | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Nithin. |
| 62 | 19X41A0427 | M DEVI SWARNANJALI | Rejoined | | | | | | | | | | | | | |
| 63 | 19X41A0481 | Md SADIK HUSSAIN | Rejoined | | | | | | | | | | | | | |

S. Sri Gowri
HoD ECE

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## LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

**Academic Year :** 2023-24 **Section :** II **Year / Semester :** IV / I

| S NO | ROLL NO | NAME OF THE STUDENT | Professional Elective-3 | | | Professional Elective-4 | | | Professional Elective-5 | | | Open Elective-3 | | Open Elective-4 | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Optical Communication | Digital Image Processing | Low Power VLSI Design | Satellite Communications | Soft Computing Techniques | Digital IC Design Using CMOS | Radar Engineering | Pattern Recognition & Machine Learning | Internet of Things | Cyber Security | Data Science | Cloud Computing with AWS | Machine Learning with Python | |
| 1 | 20X41A0462 | VULLI ANIL | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | V. ANIL |
| 2 | 20X41A0463 | VENKAIAH CHOWDARY BIKKI | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | B. Venkaiah |
| 3 | 20X41A0464 | YADDANAPUDI VENKATESH | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | Y. Venkatesh |
| 4 | 20X41A0465 | B.J.B.N.V.S.SANDEEP | | ✓ | | | ✓ | | | | ✓ | ✓ | | ✓ | | B. Sandeep. |
| 5 | 20X41A0466 | BATTULA PRAVEEN | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | B. Praveen |
| 6 | 20X41A0467 | BHOGADULA UJWALA NAGA PRAVALLIKA | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | B. Ujwala. |
| 7 | 20X41A0468 | BITRA ROOPA SRI | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | B. Roopasri |
| 8 | 20X41A0469 | CHAVALI TANUJ | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | ch. Tanuj |
| 9 | 20X41A0470 | DAGGULA VENKATA REDDY | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | D. Venkata Reddy |
| 10 | 20X41A0471 | DONTHALA.PAVANI DURGA | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | D. Pavani |
| 11 | 20X41A0472 | DEVARAKONDA.RAMESH | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | D. Ramesh |
| 12 | 20X41A0473 | EDA PRAVALLIKA | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | E. Pravallika |
| 13 | 20X41A0474 | GUDIVAKA NAGA PRAVEEN | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | G. Praveen |
| 14 | 20X41A0475 | GADI VAMSI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | G. Vamsi |
| 15 | 20X41A0476 | GAJJALAKONDA RAMYA | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | G. Ramya |
| 16 | 20X41A0477 | GORANTLA JAHNAVI | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | G. Jahnavi |
| 17 | 20X41A0478 | GUNTAMUKKALA MARY DEEKSHITHA | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | G. Mary |

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| | | | OC | DIP | VLSI | SC | SCT | CMOS | RE | PR | IoT | CS | DS | AIJS | Python | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 20X41A0479 | JAMI ARAVIND KUMAR | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | J. Aravind |
| 19 | 20X41A0480 | KAMATHAM MEENAKSHI | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Meenakshi |
| 20 | 20X41A0481 | KANURI LAKSHMI CHANDRIKA | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Chandrika |
| 21 | 20X41A0482 | KESANI SAI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Sai |
| 22 | 20X41A0483 | KODALI VENKATESH | ✓ | | | ✓ | | | | | ✓ | | | ✓ | | K. Venkatesh |
| 23 | 20X41A0484 | KOTTAPALLI VENKATESH | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Venkatesh |
| 24 | 20X41A0485 | KURRA THANURYA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Thanurya |
| 25 | 20X41A0486 | KURUVA SRAVANI | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | K. Sravani |
| 26 | 20X41A0487 | MANTADA MEGHANA | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | M. Meghana |
| 27 | 20X41A0488 | MOHAMMAD MINHAJ BAIG | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | Md. Minhaj |
| 28 | 20X41A0489 | MUVVA SRI SWATHI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | M. Sri Swathi |
| 29 | 20X41A0491 | PARASU PRAVEEN GANDHI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | P. Praveen |
| 30 | 20X41A0492 | PIRATI BUSHI NAIDU | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | |
| 31 | 20X41A0493 | PULI SRI HARI | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | P. Srihari |
| 32 | 20X41A0495 | RAAVI AKHIL | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | R. Akhil |
| 33 | 20X41A0496 | REDROTHU SRAVYA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | Sravya R |
| 34 | 20X41A0497 | RUSHIKA PHANI PENNERU | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | P. Rushika |
| 35 | 20X41A0498 | SIMHADRI SAI KAMAL | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | |
| 36 | 20X41A04A0 | SANDU PRATHYUSHA | ✓ | | ✓ | | | ✓ | | | ✓ | | | ✓ | | S. Prathyusha |
| 37 | 20X41A04A1 | SHAIK BASHEER | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | Sk. Basheer |
| 38 | 20X41A04A2 | SHAIK SUHAIB AHMED | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | |
| 39 | 20X41A04A3 | SISTLA GANESH AKHILA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | S. Akhila |
| 40 | 20X41A04A4 | TADUTURU UMA KEERTHANA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | |
| 41 | 20X41A04A5 | TUMMALA SANGAMESWARA RAO | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | T. Sangam |
| 42 | 20X41A04A6 | VANAPAMULA VENKATA SIVA DURGA LAVANYA | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | V. Lavanya |
| 43 | 20X41A04A7 | VARRE TANUJA | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | Tanuja V |
| 44 | 20X41A04A8 | VUKKADAPU NAGA SAI | | | | ✓ | | | | | ✓ | ✓ | | ✓ | | V. Naga Sai |
| 45 | 20X41A04A9 | YADLA SUNAGA SRI | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | Y. Sunagasri |

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| | | | OC | DSP | VLSI | SC | SCT | Embd cmos | RE | PR | IoT | CS | DS | AWS | Python | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 20X41A04B1 | TADISETTY KARTHIK SHANKAR | ✓ | | | ✓ | | | | ✓ | ✓ | ✓ | | ✓ | | T.karthik |
| 47 | 20X41A04B2 | UPPE LAKSHMI DURGA | | | ✓ | | | ✓ | | | ✓ | ✓ | | ✓ | | Durga. |
| 48 | 21X45A0410 | PABOLU NAGA VENKATA SATYA LAKSHMI CHANDINI | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | chandini. |
| 49 | 21X45A0411 | BHOGIREDDY MEGHANADH | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | Bh. Meghanadh |
| 50 | 21X45A0412 | EPURI ROHITH | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | Epuri rohith. |
| 51 | 21X45A0413 | JUJJAVARAPU GOPI CHANDU | ✓ | | | ✓ | | | | | ✓ | ✓ | | ✓ | | J Gopi Chandu |
| 52 | 21X45A0414 | SARVISETTY NAGA DURGA BABU | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | S. Naga Durga Babu. |
| 53 | 21X45A0415 | BANKA UMA MAHESWAR RAO | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | B. Umamaheswa. |
| 54 | 21X45A0416 | BANALA SAI NEERAJ | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | B Sai Neeraj |
| 55 | 21X45A0417 | JAVVADI OM SREE VAGDEVI | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | J. Om Sree Vagdevi |
| 56 | 21X45A0418 | TIRIVEEDHI LEKHA SREE | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | T Lekha Sree. |
| 57 | 21X45A0419 | THUPAKULA DURGA PRASAD RAO | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | T. Durgaprasadrao |
| 58 | 21X45A0420 | GUDIPUDI RESHMA | | ✓ | | ✓ | | | | | ✓ | | | ✓ | | G. Reshma |
| 59 | 21X45A0421 | KURRA SUMASRI | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | Sumasri-K |
| 60 | 21X45A0422 | TIPPIREDDY VENKATA KRISHNA REDDY | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | Tvkreddy |
| 61 | 21X45A0423 | KOLLATHUVALAPIL SAI KRISHNA | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | Sai Krishna |
| 62 | 21X45A0424 | SHAIK JOEL SHONE | | ✓ | | ✓ | | | | | ✓ | ✓ | | ✓ | | SK Joel |

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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

# COURSE STRUCTURE AND SYLLABUS

## For UG –R20

## B. TECH - COMPUTER SCIENCE & ENGINEERING

*(Applicable for batches admitted from 2020-2021)*

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

**KAKINADA - 533 003, Andhra Pradesh, India**

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

| III B. Tech – II Semester | | | | | | |
|---|---|---|---|---|---|---|
| **S.No** | **Course Code** | **Courses** | **Hours per week** | | | **Credits** |
| | | | **L** | **T** | **P** | **C** |
| 1 | PC | Machine Learning | **3** | **0** | **0** | **3** |
| 2 | PC | Compiler Design | **3** | **0** | **0** | **3** |
| 3 | PC | Cryptography and Network Security | **3** | **0** | **0** | **3** |
| 4 | PE | **Professional Elective-II**<br>1.Mobile Computing<br>2.Big Data Analytics<br>3.Object Oriented Analysis and Design<br>4.Network Programming | **3** | **0** | **0** | **3** |
| 5 | Open Elective /Job Oriented | **Open Elective-II**<br>Open Electives offered by other departments/<br>MEAN Stack Development *(Job Oriented)* | **3** | **0** | **0** | **3** |
| 6 | PC | Machine Learning using Python Lab | **0** | **0** | **3** | **1.5** |
| 7 | PC | Compiler Design Lab | **0** | **0** | **3** | **1.5** |
| 8 | PC | Cryptography and Network Security Lab | **0** | **0** | **3** | **1.5** |
| 9 | SO | **Skill Oriented Course - IV**<br>1.Big Data:Spark **OR**<br>2.MEAN Stack Technologies-Module I (HTML 5, JavaScript, Node.js, Express.js and TypeScript) | **0** | **0** | **4** | **2** |
| 10 | MC | Employability skills-II | **2** | **0** | **0** | **0** |
| **Total credits** | | | | | | **21.5** |
| **Industrial/Research Internship(Mandatory) 2 Months during summer vacation** | | | | | | |
| 11 | Minor | Data Structures and Algorithms$ | 3 | 0 | 2 | 3+1 |
| 12 | Honors | Any course from the Pool, as per the opted track | 4 | 0 | 0 | 4 |
| **Minor course through SWAYAM** | | | - | - | - | **2** |

$- Integrated Course

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**(ISO 9001:2015 Certified Institution)**
**Department of Computer Science and Engineering**

Date: 26/12/2023

## CIRCULAR

This is to inform all the students of III/ IV B.TECH, II Semester, Computer Science and Engineering, that as per the options given by the students, the departmental academic committee decided to offer **Object Oriented Analysis and Design** as a Professional Elective- II (R20 Syllabus), offered by parent department and **MEAN Stack Development (Job Oriented)** subject as Open Elective- II and **MEAN Stack Technologies-Module I** as **Skill Oriented Course – IV for** the academic year 2023-24. Student roll lists for electives are enclosed.

R. dhuri 26/12/23
**HOD / Date**

Copy to: Exam section
Notice Board

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Department of Computer Science and Engineering

## LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24 (R20)** **Year/ Semester: III/ II**

**Section-I**

| S No | ROLL NO | Professional Elective- II | | | | Open Elective II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MC | BDA | OOAD | NP | Other Dept | MSD | Big Data: Spark | MST M-1 | |
| 1 | 21X41A0501 | | | OOAD | | | MSD | | MST M-1 | A. Zaheer |
| 2 | 21X41A0502 | | | ✓ | | | ✓ | | ✓ | B. Soumya |
| 3 | 21X41A0503 | | | ✓ | | | ✓ | | ✓ | Jhothi |
| 4 | 21X41A0504 | | | ✓ | | | ✓ | | ✓ | Gayathri |
| 5 | 21X41A0505 | | | ✓ | | | ✓ | | ✓ | A. Maheshbabu |
| 6 | 21X41A0506 | | | ✓ | | | ✓ | | ✓ | B. Venkataprasad |
| 7 | 21X41A0507 | | | ✓ | | | ✓ | | ✓ | Harish |
| 8 | 21X41A0508 | | | ✓ | | | ✓ | | ✓ | Jahnavi |
| 9 | 21X41A0509 | | | ✓ | | | ✓ | | ✓ | Cho Ashok |
| 10 | 21X41A0510 | | | ✓ | | | ✓ | | ✓ | Hasan |
| 11 | 21X41A0511 | | | ✓ | | | ✓ | | ✓ | Hima |
| 12 | 21X41A0512 | | | ✓ | | | ✓ | | ✓ | Durga Prasad |
| 13 | 21X41A0513 | | | ✓ | | | ✓ | | ✓ | D. Rakesh |
| 14 | 21X41A0514 | | | ✓ | | | ✓ | | ✓ | D. Mani |
| 15 | 21X41A0515 | | | ✓ | | | ✓ | | ✓ | D. Kiran |
| 16 | 21X41A0516 | | | ✓ | | | ✓ | | ✓ | Rakesh |
| 17 | 21X41A0517 | | | ✓ | | | ✓ | | ✓ | G. Tejaswi |

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| S No | ROLL NO | Professional Elective- II | | | | Open Elective II | | Open Elective II | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MC | BDA | OOAD | NP | Other Dept | MSD | Big Data: Spark | MST M-1 | |
| 18 | 21X41A0518 | | | OOAD | | | MSD | | MST M-1 | G. Geetesh |
| 19 | 21X41A0519 | | | ✓ | | | ✓ | | ✓ | Harsha Vishal. |
| 20 | 21X41A0520 | | | ✓ | | | ✓ | | ✓ | |
| 21 | 21X41A0521 | | | ✓ | | | ✓ | | ✓ | Mahitha |
| 22 | 21X41A0522 | | | ✓ | | | ✓ | | ✓ | Mahesh |
| 23 | 21X41A0523 | | | ✓ | | | ✓ | | ✓ | Preethi |
| 24 | 21X41A0524 | | | | | | | | | |
| 25 | 21X41A0525 | | | ✓ | | | ✓ | | ✓ | K. Yaswanth |
| 26 | 21X41A0526 | | | ✓ | | | ✓ | | ✓ | Navya |
| 27 | 21X41A0527 | | | ✓ | | | ✓ | | ✓ | M. kavya. |
| 28 | 21X41A0528 | | | ✓ | | | ✓ | | ✓ | M. Savidhya Tulasi |
| 29 | 21X41A0529 | | | ✓ | | | ✓ | | ✓ | |
| 30 | 21X41A0530 | | | ✓ | | | ✓ | | ✓ | M. Bhagyaraju |
| 31 | 21X41A0531 | | | ✓ | | | ✓ | | ✓ | Chanvishnu |
| 32 | 21X41A0532 | | | ✓ | | | ✓ | | ✓ | Johnson. |
| 33 | 21X41A0533 | | | ✓ | | | ✓ | | | Koushik |
| 34 | 21X41A0534 | | | ✓ | | | ✓ | | ✓ | M. Sreeramya |
| 35 | 21X41A0535 | | | ✓ | | | ✓ | | ✓ | Krishna |
| 36 | 21X41A0536 | | | ✓ | | | ✓ | | ✓ | Narasimha |
| 37 | 21X41A0537 | | | ✓ | | | ✓ | | ✓ | Kashmira |
| 38 | 21X41A0538 | | | ✓ | | | ✓ | | ✓ | N. Jaswanth |

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| S No | ROLL NO | Professional Elective- II | | | | Open Elective II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MC | BDA | OOAD | NP | Other Dept | MSD | Big Data: Spark | MST M-1 | |
| 39 | 21X41A0539 | | | ✓ | | | ✓ | | ✓ | Karthik |
| 40 | 21X41A0540 | | | ✓ | | | ✓ | | ✓ | Akhila |
| 41 | 21X41A0541 | | | | | | | | | |
| 42 | 21X41A0542 | | | ✓ | | | ✓ | | ✓ | R. Pooja |
| 43 | 21X41A0543 | | | ✓ | | | ✓ | | ✓ | Akhila.P |
| 44 | 21X41A0544 | | | ✓ | | | ✓ | | ✓ | Jahnavi |
| 45 | 21X41A0545 | | | ✓ | | | ✓ | | ✓ | P. Prabhas |
| 46 | 21X41A0546 | | | ✓ | | | ✓ | | ✓ | Kalyan |
| 47 | 21X41A0547 | | | ✓ | | | ✓ | | ✓ | Puvahi Srinivas |
| 48 | 21X41A0548 | | | ✓ | | | ✓ | | ✓ | |
| 49 | 21X41A0549 | | | ✓ | | | ✓ | | ✓ | Harika vardhan |
| 50 | 21X41A0550 | | | ✓ | | | ✓ | | ✓ | R. Soumya |
| 51 | 21X41A0551 | | | ✓ | | | ✓ | | ✓ | R. Yagnika. |
| 52 | 21X41A0552 | | | ✓ | | | ✓ | | ✓ | Sk. Lahira |
| 53 | 21X41A0553 | | | | | | | | | |
| 54 | 21X41A0554 | | | ✓ | | | ✓ | | ✓ | Abi Bilal khaja |
| 55 | 21X41A0555 | | | ✓ | | | ✓ | | ✓ | Sabeena. |
| 56 | 21X41A0556 | | | ✓ | | | ✓ | | ✓ | S. Vamsi |
| 57 | 21X41A0557 | | | ✓ | | | ✓ | | ✓ | Lavanya. T |
| 58 | 21X41A0558 | | | | | | | | | |
| 59 | 21X41A0559 | | | ✓ | | | ✓ | | ✓ | A. Manohar |

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| S No | ROLL NO | Professional Elective- II | | | | Open Elective II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MC | BDA | OOAD | NP | Other Dept | MSD | Big Data: Spark | MST M-1 | |
| 60 | 21X41A0560 | | | ✓ | | | ✓ | | ✓ | V. Sailaja |
| 61 | 21X41A0561 | | | ✓ | | | ✓ | | ✓ | V. Dhanam |
| 62 | 21X41A0562 | | | ✓ | | | ✓ | | ✓ | Prasanth |
| 63 | 21X41A0563 | | | ✓ | | | ✓ | | ✓ | Sandeep |
| 64 | 21X41A0564 | | | ✓ | | | ✓ | | ✓ | Swathi |
| 65 | 22X45A0501 | | | ✓ | | | ✓ | | ✓ | A. Phani |
| 66 | 22X45A0502 | | | ✓ | | | ✓ | | ✓ | B. Swathi |
| 67 | 22X45A0504 | | | ✓ | | | ✓ | | ✓ | Ch. Sindhumadhuri |
| 68 | 22X45A0505 | | | ✓ | | | ✓ | | ✓ | G. Stephen |
| 69 | 22X45A0506 | | | ✓ | | | ✓ | | ✓ | G. Teja |
| 70 | 22X45A0507 | | | ✓ | | | ✓ | | ✓ | T. SharonRose |

Radhika
**HOD/Date**

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**Department of Computer Science and Engineering**

## LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

**Year/ Semester: III/ II**

**Academic Year: 2023-24 (R20)**
**Section-II**

| S No | ROLL NO | Professional Elective- II | | | | Open Elective II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MC | BDA | QOAD | NP | Other Dept | MSD | Big Data: Spark | MST M-1 | |
| 1 | 21X41A0565 | | | OOAD | | | MSD | | MST M-1 | Ch. Akhil |
| 2 | 21X41A0566 | | | OOAD | | | MSD | | MST M-1 | Venu |
| 3 | 21X41A0567 | | | OOAD | | | MSD | | MST M-1 | Karthik |
| 4 | 21X41A0568 | | | OOAD | | | MSD | | MST M-1 | K. Pooja Lo. |
| 5 | 21X41A0569 | | | OOAD | | | MSD | | MST M-1 | Bhavani |
| 6 | 21X41A0570 | | | OOAD | | | MSD | | MST M-1 | Deathrupha |
| 7 | 21X41A0571 | | | | | | | | | |
| 8 | 21X41A0572 | | | OOAD | | | MSD | | MST M-1 | Vamsi |
| 9 | 21X41A0573 | | | OOAD | | | MSD | | MST M1 | Pavani |
| 10 | 21X41A0574 | | | OOAD | | | MSD | | MST M1 | Satya |
| 11 | 21X41A0575 | | | OOAD | | | MSD | | MST M-1 | Chakshi La |
| 12 | 21X41A0576 | | | OOAD | | | MSD | | MST M-1 | Ch. Mounika |
| 13 | 21X41A0577 | | | OOAD | | | MSD | | MST M-1 | D. Lasya |
| 14 | 21X41A0578 | | | OOAD | | | MSD | | MST M-1 | D. Swetha |
| 15 | 21X41A0580 | | | OOAD | | | MSD | | MST M-1 | C. Vanitha |
| 16 | 21X41A0581 | | | OOAD | | | MSD | | MST-1 | Bala |
| 17 | 21X41A0582 | | | OOAD | | | MSD | | MST M-1 | K. Gayatri |

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| S No | ROLL NO | Professional Elective- II | | | | Open Elective II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MC | BDA | OOAD | NP | Other Dept | MSD | Big Data: Spark | MST M-1 | |
| 18 | 21X41A0583 | | | OOAD | | | MSD | | MST M-1 | Ajay |
| 19 | 21X41A0584 | | | OOAD | | | MSD | | MST M-1 | Lavineha |
| 20 | 21X41A0585 | | | OOAD | | | MSD | | MST M-1 | Lavi |
| 21 | 21X41A0586 | | | OOAD | | | MSD | | MST M-1 | Venkatesh |
| 22 | 21X41A0587 | | | OOAD | | | MSD | | MST M-1 | Sujith |
| 23 | 21X41A0588 | | | OOAD | | | MSD | | MST M-1 | Bhargav |
| 24 | 21X41A0589 | | | OOAD | | | MSD | | MST M-1 | J. Durga |
| 25 | 21X41A0590 | | | OOAD | | | MSD | | MST M-1 | J. Naveen |
| 26 | 21X41A0591 | | | OOAD | | | MSD | | MST M-1 | J. Phaneswar |
| 27 | 21X41A0592 | | | OOAD | | | MSD | | MST M-1 | J. Swathi |
| 28 | 21X41A0593 | | | OOAD | | | MSD | | MST M-1 | K. Charitha |
| 29 | 21X41A0594 | | | OOAD | | | MSD | | MST M-1 | Pooja |
| 30 | 21X41A0595 | | | OOAD | | | MSD | | MST M-1 | Sandeep |
| 31 | 21X41A0596 | | | OOAD | | | MSD | | MST M-1 | Pravallika |
| 32 | 21X41A0597 | | | OOAD | | | MSD | | MST M-1 | Kopsida |
| 33 | 21X41A0598 | | | OOAD | | | MSD | | MST M-1 | Gopal |
| 34 | 21X41A0599 | | | OOAD | | | MSD | | MST M-1 | K. Pravallika |
| 35 | 21X41A05A0 | | | OOAD | | | MSD | | MST M-1 | Sahil |
| 36 | 21X41A05A1 | | | OOAD | | | MSD | | MST M-1 | Sanjay |
| 37 | 21X41A05A2 | | | OOAD | | | MSD | | MST M-1 | Goswami |
| 38 | 21X41A05A3 | | | OOAD | | | MSD | | MST M-1 | Manvanth |

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**Department of Computer Science and Engineering**

| S No | ROLL NO | Professional Elective- II | | | | Open Elective II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MC | BDA | OOAD | NP | Other Dept | MSD | Big Data: Spark | MST M-1 | |
| 39 | 21X41A05A4 | | | OOAD | | | MSD | | MST M-1 | Surya |
| 40 | 21X41A05A5 | | | OOAD | | | MSD | | MST M-1 | Devika |
| 41 | 21X41A05A6 | | | OOAD | | | MSD | | MST M-1 | ANI |
| 42 | 21X41A05A7 | | | OOAD | | | MSD | | MST M-1 | Maheswarkoddy. |
| 43 | 21X41A05A8 | | | OOAD | | | MSD | | MST M-1 | Manikanta |
| 44 | 21X41A05A9 | | | OOAD | | | MSD | | MST M-1 | K. Chinna |
| 45 | 21X41A05B0 | | | OOAD | | | MSD | | MST M-1 | Manikanta |
| 46 | 21X41A05B1 | | | OOAD | | | MSD | | MST M-1 | Rejoice |
| 47 | 21X41A05B2 | | | OOAD | | | MSD | | MST M-1 | Soujanya |
| 48 | 21X41A05B3 | | | OOAD | | | MSD | | MST M-1 | Jaswanth |
| 49 | 21X41A05B4 | | | OOAD | | | MSD | | MST M-1 | P. Kavya |
| 50 | 21X41A05B5 | | | OOAD | | | MSD | | MST M-1 | P. Soujanya |
| 51 | 21X41A05B6 | | | OOAD | | | MSD | | MST M-1 | P. Raj Teja |
| 52 | 21X41A05B7 | | | OOAD | | | MSD | | MST M-1 | P. Vishnupriya |
| 53 | 21X41A05B8 | | | OOAD | | | MSD | | MST M-1 | Mythili |
| 54 | 21X41A05B9 | | | OOAD | | | MSD | | MST M-1 | Sanjana |
| 55 | 21X41A05C0 | | | | | | | | | |
| 56 | 21X41A05C1 | | | OOAD | | | MSD | | MST M-1 | Sameena |
| 57 | 21X41A05C2 | | | OOAD | | | MSD | | MST M-1 | Shamshoon |
| 58 | 21X41A05C3 | | | OOAD | | | MSD | | MST M-1 | Manisekhar |
| 59 | 21X41A05C4 | | | OOAD | | | MSD | | MST M-1 | Saya Ramadh |

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**Department of Computer Science and Engineering**

| S No | ROLL NO | Professional Elective- II | | | | Open Elective II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MC | BDA | OOAD | NP | Other Dept | MSD | Big Data: Spark | MST M-1 | |
| 60 | 21X41A05C5 | | | OOAD | | | MSD | | MST M-1 | Teerlabs |
| 61 | 21X41A05C6 | | | OOAD | | | MSD | | MST M-1 | T. Saisree |
| 62 | 21X41A05C7 | | | OOAD | | | MSD | | MST M-1 | Bharath |
| 63 | 21X41A05C8 | | | OOAD | | | MSD | | MST M-1 | santhosh |
| 64 | 22X45A0508 | | | OOAD | | | MSD | | MST M-1 | K. Bhuvaneshkalyani |
| 65 | 22X45A0509 | | | OOAD | | | MSD | | MST M-1 | Vijay |
| 66 | 22X45A0510 | | | OOAD | | | MSD | | MST-M-2 | Jhansi |
| 67 | 22X45A0511 | | | OOAD | | | MSD | | MST M-1 | P. Pushpa Bhargavi |
| 68 | 22X45A0512 | | | OOAD | | | MSD | | MST M-1 | P. Yaradaprasad |
| 69 | 22X45A0513 | | | OOAD | | | MSD | | MST M-1 | praveen |
| 70 | 22X45A0514 | | | OOAD | | | MSD | | MST M-1 | Abhilash |
| 71 | 22X45A0515 | | | OOAD | | | MSD | | MST M-1 | Manasa |

Radhika
**HOD/Date**

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**Department of Computer Science and Engineering**

Date: 18/12/2023

## CIRCULAR

The following subjects are offered as elective subjects for III/IV B.TECH, II Semester Computer Science and Engineering students for the academic year 2023-24 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Open Elective- II Professional Elective-II** subjects and **Skill Oriented Course – IV** among the options in the given proforma, on or before 21/12/2023. The syllabus copies are enclosed.

**Professional Elective-II**

1. Mobile Computing
2. Big Data Analytics
3. Object Oriented Analysis and Design
4. Network Programming

**Open Elective-II**

Open Electives offered by other departments / MEAN Stack Development (Job Oriented)

**Skill Oriented Course - IV**

1. Big Data: Spark
2. MEAN Stack Technologies-Module I

Radhika 18/12/23
**HOD / Date**

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
**KAKINADA – 533 003, Andhra Pradesh, India**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

# COURSE STRUCTURE AND SYLLABUS

## For UG –R20

## B. TECH - COMPUTER SCIENCE & ENGINEERING

*(Applicable for batches admitted from 2020-2021)*

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

**KAKINADA - 533 003, Andhra Pradesh, India**

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

| IV B. Tech –I Semester | | | | | | |
|---|---|---|---|---|---|---|
| **S.No** | **Course Code** | **Course Title** | **Hoursperweek** | | | **Credits** |
| | | | **L** | **T** | **P** | **C** |
| 1 | PE | **Professional Elective-III**<br>1.Cloud Computing<br>2.Neural Networks and Soft Computing<br>3.Ad-hoc and Sensor Networks<br>4.Cyber Security & Forensics | **3** | **0** | **0** | **3** |
| 2 | PE | **Professional Elective-IV**<br>1. Deep Learning Techniques<br>2. Social Networks & Semantic Web<br>3. Computer Vision<br>4.MOOCS-NPTEL/SWAYAM% | **3** | **0** | **0** | **3** |
| 3 | PE | **Professional Elective-V**<br>1.Block-Chain Technologies<br>2.Wireless Network Security<br>3.Ethical Hacking<br>4.MOOCS-NPTEL/SWAYAM% | **3** | **0** | **0** | **3** |
| 4 | Open Elective /Job Oriented | **Open Elective-III**<br>Open Electives offered by other departments/ API and Microservices (Job Oriented Course) | **3** | **0** | **0** | **3** |
| 5 | Open Elective /Job Oriented | **Open Elective-IV**<br>Open Electives offered by other departments/ Secure Coding Techniques (Job Oriented Course) | **3** | **0** | **0** | **3** |
| 6 | HS | Universal Human Values 2: Understanding Harmony | **3** | **0** | **0** | **3** |
| 7 | SO | 1.PYTHON: Deep Learning **OR**<br>2.MEAN Stack Technologies-Module II-Angular JS and MongoDB **OR**<br>3.APSSDC offered Courses | **0** | **0** | **4** | **2** |
| 8 | PR | **Industrial/Research Internship 2 months (Mandatory) after third year (to be evaluated during VII semester** | **0** | **0** | **0** | **3** |
| **Total credits** | | | | | | **23** |
| 11 | Minor | Software Engineering$ / any other from PART-B (For Minor) | 3 | 0 | 2 | 3+1 |
| 12 | Honors | Any course from the Pool, as per the opted track | 4 | 0 | 0 | 4 |
| **Minor course through SWAYAM** | | | - | - | - | **2** |

$- Integrated Course
% - MOOC Course

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**Department of Computer Science and Engineering**

Date: 20/06/2022

## CIRCULAR

This is to inform all the students of IV/ IV B.TECH, I Semester, Computer Science and Engineering, that as per the options given by the students, the departmental academic committee decided to offer **Cloud Computing** as a Professional Elective- III, **Deep Learning Techniques** as a Professional Elective- IV , **Block-Chain Technologies** as Professional Elective-V offered by parent department and **Basic Electronics** subject as Open Elective- III (Inter Disciplinary) offered by Electronics and Communications Engineering, **Fundamentals of Electric Vehicles** as Open Elective- IV (Inter Disciplinary) offered by Electrical and Electronics Engineering and **MEAN Stack Technologies-Module II Angular JS and MongoDB** as Skill Oriented for the academic year 2023-24. Student roll lists for electives are enclosed.

20/6/23
**HOD CSE**

Copy to: Exam section
Notice Board

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Department of Computer Science and Engineering

## LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24 (R20)** **Year/ Semester: IV/ I**

**Section-I**

| S No | ROLL NO | Professional Elective- III | | | | Professional Elective- III | | | | Professional Elective-V | | | | Open Elective-III | | Open Elective-IV | | Signature of Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CC | NNSC | ASN | CSF | DLT | SNSW | CV | MOOC/ NPTEL | BCT | WNS | EH | MOOC/ NPTEL | Other Dept | API &MS | Other Dept | SCT | |
| 1 | 20X41A0501 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | A. Bhavani |
| 2 | 20X41A0503 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | B. Harika |
| 3 | 20X41A0504 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | B. Sravanthi |
| 4 | 20X41A0505 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Ch. Deekshitha |
| 5 | 20X41A0506 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Ch. Rupasri |
| 6 | 20X41A0507 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Ch. S. Prakash |
| 7 | 20X41A0508 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Ch. Thaibhavan |
| 8 | 20X41A0509 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Ch. Bhanja |
| 9 | 20X41A0510 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Ch. Jyothi |
| 10 | 20X41A0511 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Ch. Lokesh |
| 11 | 20X41A0513 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Mahima |
| 12 | 20X41A0514 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | G. Rohini |
| 13 | 20X41A0515 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | G. Vindhya Sri |
| 14 | 20X41A0516 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | G. Jaseeswara. |
| 15 | 20X41A0518 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Dhanya |

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| S No | ROLL NO | Professional Elective- III | | | | Professional Elective- III | | | | Professional Elective-V | | | | Open Elective-III | | Open Elective-IV | | Signature of Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CC | NNSC | ASN | CSF | DLT | SNSW | CV | MOOC/ NPTEL | BCT | WNS | EH | MOOC/ NPTEL | Other Dept | API &MS | Other Dept | SCT | |
| 16 | 20X41A0519 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | G. Vijayalakshmi |
| 17 | 20X41A0520 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | G. Sravani |
| 18 | 20X41A0521 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | G. Gayathri |
| 19 | 20X41A0522 | ✓ | | | | ✓ | | | | — | | | | — | | ✓ | | J. Haritha |
| 20 | 20X41A0523 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | K. Paras |
| 21 | 20X41A0524 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | K. Sai Krishna |
| 22 | 20X41A0526 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | K. Aparna |
| 23 | 20X41A0527 | ✓ | | | | ✓ | | | | — | | | | — | | — | | K. Nikhitha |
| 24 | 20X41A0528 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | K. Abhishek |
| 25 | 20X41A0529 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | K. Likhitha |
| 26 | 20X41A0530 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | L. Balakrishna Balaku |
| 27 | 20X41A0531 | ✓ | | | | ✓ | | | | ✓ | | | | — | | ✓ | | |
| 28 | 20X41A0532 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | L. Sambasiva |
| 29 | 20X41A0533 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | M. Sai Ra |
| 30 | 20X41A0534 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | M. Nagaraju |
| 31 | 20X41A0535 | ✓ | | | | ✓ | | | | ✓ | | | | — | | ✓ | | M. Ram Gayathri |
| 32 | 20X41A0536 | ✓ | | | | ✓ | | | | — | | | | — | | — | | |
| 33 | 20X41A0537 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | M. Tejaswini |
| 34 | 20X41A0538 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | M. Ramya |
| 35 | 20X41A0539 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | M. Sahasra |

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| S No | ROLL NO | Professional Elective- III | | | | Professional Elective- III | | | | Professional Elective-V | | | | Open Elective-III | | Open Elective-IV | | Signature of Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CC | NNSC | ASN | CSF | DLT | SNSW | CV | MOOC/ NPTEL | BCT | WNS | EH | MOOC/ NPTEL | Other Dept | API &MS | Other Dept | SCT | |
| 36 | 20X41A0540 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 37 | 20X41A0541 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | M. Uma Sri |
| 38 | 20X41A0542 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 39 | 20X41A0543 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Nagaraju |
| 40 | 20X41A0544 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 41 | 20X41A0545 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | P. Rakesh |
| 42 | 20X41A0546 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | P. Mradula |
| 43 | 20X41A0547 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | P. Sasmitha |
| 44 | 20X41A0548 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Sonali |
| 45 | 20X41A0549 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | P. Manasa Reja |
| 46 | 20X41A0550 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 47 | 20X41A0551 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | B. Kaveri |
| 48 | 20X41A0552 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | S. Sruthi |
| 49 | 20X41A0553 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Sk. Ahmad |
| 50 | 20X41A0554 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | S. Soumya |
| 51 | 20X41A0555 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | S. Pavan |
| 52 | 20X41A0556 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Thanuja |
| 53 | 20X41A0557 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | T. Nagendra Reddy |
| 54 | 20X41A0558 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | T. Rahul. |
| 55 | 20X41A0559 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |

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| S No | ROLL NO | Professional Elective- III | | | | Professional Elective- III | | | | Professional Elective-V | | | | Open Elective-III | | Open Elective-IV | | Signature of Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CC | NNSC | ASN | CSF | DLT | SNSW | CV | MOOC/ NPTEL | BCT | WNS | EH | MOOC/ NPTEL | Other Dept | API &MS | Other Dept | SCT | |
| 56 | 20X41A0560 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | V. Prasad |
| 57 | 20X41A0561 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Gopi |
| 58 | 20X41A0562 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Rhman |
| 59 | 20X41A0563 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Y. Lokesh |
| 60 | 20X41A0564 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Y. Satyam |
| 61 | 21X45A0501 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Dittasila |
| 62 | 21X45A0502 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | J. Pham |
| 63 | 21X45A0503 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | U. Geetha |
| 64 | 21X45A0504 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | M Dhruf |
| 65 | 21X45A0505 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | E. Vsh |
| 66 | 21X45A0506 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | A. Sairam |

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## LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24 (R20)** **Year/ Semester: IV/ I**
**Section-II**

| S No | ROLL NO | Professional Elective- III | | | | Professional Elective- III | | | | Professional Elective-V | | | | Open Elective-III | | Open Elective-IV | | Signature of Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CC | NNSC | ASN | CSF | DLT | SNSW | CV | MOOC/ NPTEL | BCT | WNS | EH | MOOC/ NPTEL | Other Dept | API &MS | Other Dept | SCT | |
| 1 | 20X41A0565 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | A. Raheem |
| 2 | 20X41A0566 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | A. Sanu |
| 3 | 20X41A0567 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | A. Nikita |
| 4 | 20X41A0568 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | B. Mani |
| 5 | 20X41A0569 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | B. Manisha |
| 6 | 20X41A0570 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | B. Revath |
| 7 | 20X41A0571 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | B. Surendra |
| 8 | 20X41A0572 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | B. Ganesh |
| 9 | 20X41A0573 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Balavansi |
| 10 | 20X41A0574 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | B. Jaswanth |
| 11 | 20X41A0575 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | B. Devisree |
| 12 | 20X41A0576 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Ch. Rakesh |
| 13 | 20X41A0577 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Ch |
| 14 | 20X41A0578 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 15 | 20X41A0579 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |

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| | | CC | NNSC | ASN | CSF | DLT | SNSW | CV | MOOC/ NPTEL | BCT | WNS | EH | MOOC/ NPTEL | Other Dept | API &MS | Other Dept | SCT | |
| 16 | 20X41A0580 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 17 | 20X41A0581 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 18 | 20X41A0582 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 19 | 20X41A0583 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 20 | 20X41A0584 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 21 | 20X41A0585 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 22 | 20X41A0586 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 23 | 20X41A0587 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 24 | 20X41A0588 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 25 | 20X41A0589 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 26 | 20X41A0590 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 27 | 20X41A0591 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 28 | 20X41A0592 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 29 | 20X41A0593 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 30 | 20X41A0594 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 31 | 20X41A0595 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 32 | 20X41A0596 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 33 | 20X41A0597 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 34 | 20X41A0598 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 35 | 20X41A0599 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |

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| | | CC | NNSC | ASN | CSF | DLT | SNSW | CV | MOOC/ NPTEL | BCT | WNS | EH | MOOC/ NPTEL | Other Dept | API &MS | Other Dept | SCT | |
| 36 | 20X41A05A0 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 37 | 20X41A05A1 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 38 | 20X41A05A2 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 39 | 20X41A05A3 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 40 | 20X41A05A4 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 41 | 20X41A05A5 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 42 | 20X41A05A6 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 43 | 20X41A05A7 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 44 | 20X41A05A8 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 45 | 20X41A05A9 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 46 | 20X41A05B0 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 47 | 20X41A05B1 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 48 | 20X41A05B2 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 49 | 20X41A05B3 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 50 | 20X41A05B4 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 51 | 20X41A05B5 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 52 | 20X41A05B6 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 53 | 20X41A05B7 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 54 | 20X41A05B8 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |
| 55 | 20X41A05B9 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | |

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| | | CC | NNSC | ASN | CSF | DLT | SNSW | CV | MOOC/ NPTEL | BCT | WNS | EH | MOOC/ NPTEL | Other Dept | API &MS | Other Dept | SCT | |
| 56 | 20X41A05C0 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Sk Tahsin |
| 57 | 20X41A05C1 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | T. Swathi |
| 58 | 20X41A05C2 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | V. Swaroop |
| 59 | 20X41A05C3 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | V. Ram |
| 60 | 20X41A05C4 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | V. Durgaprasad |
| 61 | 20X41A05C5 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | V. leela |
| 62 | 20X41A05C6 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | V. Chinna |
| 63 | 20X41A05C7 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | V. naveen |
| 64 | 20X41A05C8 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | Y. Manikanta |
| 65 | 20X41A05C9 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | K. Harshit |
| 66 | 21X45A0507 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | B. Ashok |
| 67 | 21X45A0508 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | I. Karthik |
| 68 | 21X45A0509 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | A. Vishnu |
| 69 | 21X45A0510 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | I. Chaitanya |
| 70 | 21X45A0511 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | M. Gouthami |
| 71 | 21X45A0512 | ✓ | | | | ✓ | | | | ✓ | | | | ✓ | | ✓ | | K. Tanusika |

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Date: 13/06/2023

## CIRCULAR

The following subjects are offered as elective subjects for IV/IV B.TECH, I Semester Computer Science and Engineering students for the academic year 2023-24 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Professional Elective-III, Professional Elective- IV, Professional Elective-V and Open Elective- III &IV** subjects among the options in the given proforma, on or before 17/06/2023. The syllabus copies are enclosed.

**Professional Elective-III**

1. Cloud Computing
2. Neural Networks and Soft Computing
3. Ad-hoc and Sensor Networks
4. Cyber Security & Forensics

**Professional Elective-IV**

1. Deep Learning Techniques
2. Social Networks & Semantic Web
3. Computer Vision
4. MOOCS-NPTEL/SWAYAM

**Professional Elective-V**

1. Block-Chain Technologies
2. Wireless Network Security
3. Ethical Hacking
4. MOOCS-NPTEL/SWAYAM

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**Open Elective-III**

Open Electives offered by other departments/ API and Micro services (Job Oriented Course)

**Open Elective-IV**

Open Electives offered by other departments/ Secure Coding Techniques (Job Oriented Course)

**Skill Oriented**

1. PYTHON: Deep Learning
2. MEAN Stack Technologies-Module II Angular JS and MongoDB
3. APSSDC offered Courses

**HOD / Date** 3/6/23

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
**KAKINADA – 533 003, Andhra Pradesh, India**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

# COURSE STRUCTURE AND SYLLABUS

## For UG –R20

## B. TECH - COMPUTER SCIENCE & ENGINEERING

*(Applicable for batches admitted from 2020-2021)*

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

**KAKINADA - 533 003, Andhra Pradesh, India**

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

| III B. Tech – I Semester | | | | | | |
|---|---|---|---|---|---|---|
| **S.No** | **Course Code** | **Courses** | **Hours per week** | | | **Credits** |
| | | | **L** | **T** | **P** | **C** |
| 1 | PC | Computer Networks | **3** | **0** | **0** | **3** |
| 2 | PC | Design and Analysis of Algorithms | **3** | **0** | **0** | **3** |
| 3 | PC | Data Warehousing and Data Mining | **3** | **0** | **0** | **3** |
| 4 | Open Elective / Job Oriented | **Open Elective-I**<br>Open Electives offered by other departments/<br>Optimization in Operations Research<br>(Job oriented course) | **3** | **0** | **0** | **3** |
| 5 | PE | **Professional Elective-I**<br>Artificial Intelligence<br>Software Project Management<br>Distributed Systems<br>Advanced Unix Programming | **3** | **0** | **0** | **3** |
| 6 | PC | Data Warehousing and Data Mining Lab | **0** | **0** | **3** | **1.5** |
| 7 | PC | Computer Networks Lab | **0** | **0** | **3** | **1.5** |
| 8 | SO | **Skill Oriented Course – III**<br>1. Animation course: Animation Design **OR**<br>2.Continuous Integration and Continuous Delivery using DevOps | **0** | **0** | **4** | **2** |
| 9 | MC | Employability Skills-I | **2** | **0** | **0** | **0** |
| 10 | PR | **Summer Internship 2 Months (Mandatory) after second year (to be evaluated during V semester** | **0** | **0** | **0** | **1.5** |
| **Total credits** | | | | | | **21.5** |
| 11 | Minor | Database Management Systems[$] | 3 | 0 | 2 | 3+1 |
| 12 | Honors | Any course from the Pool, as per the opted track | 4 | 0 | 0 | 4 |

$- Integrated Course

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**(ISO 9001:2015 Certified Institution)**
**Department of Computer Science and Engineering**

Date: 18/07/2023

## CIRCULAR

This is to inform all the students of III/ IV B.TECH, I Semester, Computer Science and Engineering, that as per the options given by the students, the departmental academic committee decided to offer **Software Project Management** as a Professional Elective- I (R20 Syllabus), offered by parent department and **Optimization in Operations Research** subject as Open Elective- I (Inter Disciplinary) offered by Science and Humanities Department and **Continuous Integration and Continuous Delivery using DevOps** as Skill Oriented Course – III for the academic year 2023-24. Student roll lists for electives are enclosed.

**HOD / Date** 18/7/23

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**Department of Computer Science and Engineering**

## LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24 (R20)** **Year/ Semester: III/ I**
**Section-I**

| S No | ROLL NO | Professional Elective- I | | | | Open Elective I | | Skill Oriented Course – III | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AI | SPM | DS | Adv Unix | Other Dept | OOR | Animation course | DevOps | |
| 1 | 21X41A0501 | | ✓ | | | | ✓ | | ✓ | |
| 2 | 21X41A0502 | | SPM | | | | OOR | | Devops | |
| 3 | 21X41A0503 | | ✓ | | | | ✓ | | ✓ | A.Jyothi |
| 4 | 21X41A0504 | | ✓ | | | | ✓ | | ✓ | A.Jyothi |
| 5 | 21X41A0505 | | ✓ | | | | ✓ | | ✓ | A. Mahesh Babu |
| 6 | 21X41A0506 | | ✓ | | | | ✓ | | ✓ | B. V. Prasad. |
| 7 | 21X41A0507 | | ✓ | | | | ✓ | | ✓ | B. Harish |
| 8 | 21X41A0508 | | ✓ | | | | ✓ | | ✓ | |
| 9 | 21X41A0509 | | ✓ | | | | ✓ | | ✓ | ch. Ashok. |
| 10 | 21X41A0510 | | ✓ | | | | ✓ | | ✓ | Ch. Hasasri |
| 11 | 21X41A0511 | | ✓ | | | | ✓ | | ✓ | Himasri. Ch |
| 12 | 21X41A0512 | | ✓ | | | | ✓ | | ✓ | D Durga Prasad |
| 13 | 21X41A0513 | | ✓ | | | | ✓ | | ✓ | D. Rakesh |
| 14 | 21X41A0514 | | ✓ | | | | ✓ | | ✓ | D. Manisha |
| 15 | 21X41A0515 | | ✓ | | | | ✓ | | ✓ | D. Kusuma Priya |
| 16 | 21X41A0516 | | ✓ | | | | ✓ | | ✓ | G. Rakesh |
| 17 | 21X41A0517 | | ✓ | | | | ✓ | | ✓ | G. Tejasuri |

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| S No | ROLL NO | Professional Elective- I | | | | Open Elective I | | Skill Oriented Course – III | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AI | SPM | DS | Adv Unix | Other Dept | OOR | Animation course | DevOps | |
| 18 | 21X41A0518 | | ✓ | | | | ✓ | | ✓ | G. Geetesh. |
| 19 | 21X41A0519 | | ✓ | | | | ✓ | | ✓ | M. Harika. |
| 20 | 21X41A0520 | | ✓ | | | | ✓ | | ✓ | I. V. Vishal. |
| 21 | 21X41A0521 | | ✓ | | | | ✓ | | ✓ | J. Mahitha |
| 22 | 21X41A0522 | | ✓ | | | | ✓ | | ✓ | K. Mahesh |
| 23 | 21X41A0523 | | ✓ | | | | ✓ | | ✓ | K. M. Preethi |
| 24 | 21X41A0524 | | ✓ | | | | ✓ | | ✓ | |
| 25 | 21X41A0525 | | ✓ | | | | ✓ | | ✓ | K. V. Yaswanth |
| 26 | 21X41A0526 | | ✓ | | | | ✓ | | ✓ | K. Nandini |
| 27 | 21X41A0527 | | ✓ | | | | ✓ | | ✓ | M. Kavya. |
| 28 | 21X41A0528 | | ✓ | | | | ✓ | | ✓ | M. Samvidhya. |
| 29 | 21X41A0529 | | ✓ | | | | ✓ | | ✓ | M. Tulasi |
| 30 | 21X41A0530 | | ✓ | | | | ✓ | | ✓ | |
| 31 | 21X41A0531 | | ✓ | | | | ✓ | | ✓ | M. Charishma. |
| 32 | 21X41A0532 | | ✓ | | | | ✓ | | ✓ | M. Johnson |
| 33 | 21X41A0533 | | • | | | | ~ | | ✓ | M. Koushik. |
| 34 | 21X41A0534 | | ✓ | | | | ✓ | | ✓ | Soumya. |
| 35 | 21X41A0535 | | ✓ | | | | ✓ | | ✓ | M. [illegible] |
| 36 | 21X41A0536 | | ✓ | | | | ✓ | | ✓ | |
| 37 | 21X41A0537 | | ✓ | | | | ✓ | | ✓ | N. Rashmika |
| 38 | 21X41A0538 | | ✓ | | | | ✓ | | ✓ | N. Jaswanth. |

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**Department of Computer Science and Engineering**

| S No | ROLL NO | Professional Elective- I | | | | Open Elective I | | Skill Oriented Course – III | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AI | SPM | DS | Adv Unix | Other Dept | OOR | Animation course | DevOps | |
| 39 | 21X41A0539 | | ✓ | | | | ✓ | | ✓ | Karthik |
| 40 | 21X41A0540 | | ✓ | | | | ✓ | | ✓ | P.k Nikitha. |
| 41 | 21X41A0541 | | ✓ | | | | ✓ | | ✓ | |
| 42 | 21X41A0542 | | ✓ | | | | ✓ | | ✓ | P. Poojitha. |
| 43 | 21X41A0543 | | ✓ | | | | ✓ | | ✓ | P. Nikitha |
| 44 | 21X41A0544 | | ✓ | | | | ✓ | | ✓ | P. Jahnavi |
| 45 | 21X41A0545 | | ✓ | | | | ✓ | | ✓ | P. Prabhas. |
| 46 | 21X41A0546 | | ✓ | | | | ✓ | | ✓ | P. Kalyanbabu |
| 47 | 21X41A0547 | | ✓ | | | | ✓ | | ✓ | Pavani |
| 48 | 21X41A0548 | | ✓ | | | | ✓ | | ✓ | P. Srinivas. |
| 49 | 21X41A0549 | | ✓ | | | | ✓ | | ✓ | P Harsha |
| 50 | 21X41A0550 | | ✓ | | | | ✓ | | ✓ | R. Sruti |
| 51 | 21X41A0551 | | ✓ | | | | ✓ | | ✓ | R. Yagnika |
| 52 | 21X41A0552 | | ✓ | | | | ✓ | | ✓ | SK. Ladhira. |
| 53 | 21X41A0553 | | ✓ | | | | ✓ | | ✓ | |
| 54 | 21X41A0554 | | ✓ | | | | ✓ | | ✓ | SK. Abid Bilalkhaja. |
| 55 | 21X41A0555 | | ✓ | | | | ✓ | | ✓ | SK. Sabeena |
| 56 | 21X41A0556 | | ✓ | | | | ✓ | | ✓ | S. Vasubabu |
| 57 | 21X41A0557 | | ✓ | | | | ✓ | | ✓ | ~~Kowsalya~~ |
| 58 | 21X41A0558 | | ✓ | | | | ✓ | | ✓ | ~~Jyothi~~ 1023 |
| 59 | 21X41A0559 | | ✓ | | | | ✓ | | ✓ | T. Maneesha |

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| S No | ROLL NO | Professional Elective- I | | | | Open Elective I | | Skill Oriented Course – III | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AI | SPM | DS | Adv Unix | Other Dept | OOR | Animation course | DevOps | |
| 60 | 21X41A0560 | | ✓ | | | | ✓ | | ✓ | V. Sai Teja |
| 61 | 21X41A0561 | | ✓ | | | | ✓ | | ✓ | V. Dhaarani |
| 62 | 21X41A0562 | | ✓ | | | | ✓ | | ✓ | V. Praneeth. |
| 63 | 21X41A0563 | | ✓ | | | | ✓ | | ✓ | S. Sandeep |
| 64 | 21X41A0564 | | ✓ | | | | ✓ | | ✓ | G. Swathi priya. |
| 65 | 22X45A0501 | | ✓ | | | | ✓ | | ✓ | A. Pheni |
| 66 | 22X45A0502 | | ✓ | | | | ✓ | | ✓ | B. Swathi |
| 67 | 22X45A0504 | | ✓ | | | | ✓ | | ✓ | Ch. Sindhu Madhuri |
| 68 | 22X45A0505 | | ✓ | | | | ✓ | | ✓ | G. Stephen |
| 69 | 22X45A0506 | | ✓ | | | | ✓ | | ✓ | G. Nagaj Teja |
| 70 | 22X45A0507 | | ✓ | | | | ✓ | | ✓ | J. Sharon Rose |

B. [signature] HOD/Date 18/7/23

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**Department of Computer Science and Engineering**

## LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24 (R20)** **Year/ Semester: III/ I**
**Section-II**

| S No | ROLL NO | Professional Elective- I | | | | Open Elective I | | Skill Oriented Course – III | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AI | SPM | DS | Adv Unix | Other Dept | OOR | Animation course | DevOps | |
| 1 | 21X41A0565 | | SPM | | | | SPM | | SPM | G. Abhi |
| 2 | 21X41A0566 | | SPM | | | | OOR | | DevOps | B. Venu. |
| 3 | 21X41A0567 | | SPM | | | | OOR | | DevOps | B. Murali Karthik |
| 4 | 21X41A0568 | | SPM | | | | OOR | | DevOps | Pooja |
| 5 | 21X41A0569 | | SPM | | | | OOR | | DevOps | Jyothi |
| 6 | 21X41A0570 | | SPM | | | | OOR | | DevOps | P. Sathyasri |
| 7 | 21X41A0571 | | - | | | | - | | - | - |
| 8 | 21X41A0572 | | SPM | | | | OOR | | DevOps | B. [illegible] |
| 9 | 21X41A0573 | | SPM | | | | OOR | | DevOps | B. Jaipawani |
| 10 | 21X41A0574 | | SPM | | | | OOR | | DevOps | Ch. Satyasri |
| 11 | 21X41A0575 | | SPM | | | | OOR | | DevOps | Ch. Devi sri Vasishtha |
| 12 | 21X41A0576 | | SPM | | | | OOR | | DevOps | Ch. Manika |
| 13 | 21X41A0577 | | SPM | | | | OOR | | DevOps | D. Lasya. |
| 14 | 21X41A0578 | | SPM | | | | OOR | | DevOps | D. Sai Swetha |
| 15 | 21X41A0580 | | SPM | | | | OOR | | DevOps | E. Vanitha |
| 16 | 21X41A0581 | | SPM | | | | OOR | | DevOps | Bala Bharath |
| 17 | 21X41A0582 | | SPM | | | | OOR | | DevOps | Gayathri |

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| S No | ROLL NO | Professional Elective- I | | | | Open Elective I | | Skill Oriented Course – III | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AI | SPM | DS | Adv Unix | Other Dept | OOR | Animation course | DevOps | |
| 18 | 21X41A0583 | | SPM | | | | OOR | | DevOps | G. Ajaykumar |
| 19 | 21X41A0584 | | SPM | | | | OOR | | DevOps | G. Phanindhra |
| 20 | 21X41A0585 | | SPM | | | | OOR | | DevOps | Hasi. |
| 21 | 21X41A0586 | | SPM | | | | OOR | | DevOps | Venkatesh |
| 22 | 21X41A0587 | | SPM | | | | OOR | | DevOps | sujith |
| 23 | 21X41A0588 | | SPM | | | | OOR | | DevOps | Bhargav |
| 24 | 21X41A0589 | | SPM | | | | OOR | | DevOps | T. Jayasree |
| 25 | 21X41A0590 | | SPM | | | | OOR | | DevOps | D. Jayasree |
| 26 | 21X41A0591 | | SPM | | | | OOR | | DevOps | D. Dhaneswari |
| 27 | 21X41A0592 | | SPM | | | | OOR | | DevOps | J. Swathi |
| 28 | 21X41A0593 | | SPM | | | | OOR | | DevOps | K. Chaithanya |
| 29 | 21X41A0594 | | SPM | | | | OOR | | DevOps | Raghuda |
| 30 | 21X41A0595 | | SPM | | | | OOR | | DevOps | K. Mandeep |
| 31 | 21X41A0596 | | SPM | | | | OOR | | DevOps | K. Varshitha |
| 32 | 21X41A0597 | | SPM | | | | OOR | | DevOps | Hepsiba. |
| 33 | 21X41A0598 | | SPM | | | | OOR | | DevOps | Eswar. |
| 34 | 21X41A0599 | | SPM | | | | OOR | | DevOps | Pravallika. |
| 35 | 21X41A05A0 | | SPM | | | | OOR | | DevOps | V. SunilKumar. |
| 36 | 21X41A05A1 | | SPM | | | | OOR | | DevOps | Sravya. |
| 37 | 21X41A05A2 | | SPM | | | | OOR. | | DevOps | Goverdhan. |
| 38 | 21X41A05A3 | | SPM | | | | OOR | | DevOps | Manvanth |

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| S No | ROLL NO | Professional Elective- I | | | | Open Elective I | | Skill Oriented Course – III | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AI | SPM | DS | Adv Unix | Other Dept | OOR | Animation course | DevOps | |
| 39 | 21X41A05A4 | | SPM | | | | OOR | | Devops | M. |
| 40 | 21X41A05A5 | | SPM | | | | OOR | | Devops | Devika |
| 41 | 21X41A05A6 | | SPM | | | | OOR | | DevOps | M. Anil |
| 42 | 21X41A05A7 | | SPM | | | | OOR | | Devops | Maly Reddy |
| 43 | 21X41A05A8 | | SPM | | | | OOR | | Devops | M. Sai Manikanta |
| 44 | 21X41A05A9 | | SPM | | | | OOR | | Devops | |
| 45 | 21X41A05B0 | | SPM | | | | OOR | | Devops | M. Sri |
| 46 | 21X41A05B1 | | SPM | | | | OOR | | Devops | |
| 47 | 21X41A05B2 | | SPM | | | | OOR | | Devops | P. Sowjanya |
| 48 | 21X41A05B3 | | SPM | | | | OOR | | Devops | B. Jaswanth. |
| 49 | 21X41A05B4 | | SPM | | | | OOR | | Devops | P. Kavya. |
| 50 | 21X41A05B5 | | SPM | | | | OOR | | Devops | P. Sowmya |
| 51 | 21X41A05B6 | | SPM | | | | OOR | | Devops | P. Ramu Raj |
| 52 | 21X41A05B7 | | SPM | | | | OOR | | Devops | P. V. |
| 53 | 21X41A05B8 | | SPM | | | | OOR | | Devops | P. Mythili |
| 54 | 21X41A05B9 | | SPM | | | | OOR | | Devops | J. Sanjana |
| 55 | 21X41A05C0 | | — | | | | — | | — | — |
| 56 | 21X41A05C1 | | SPM | | | | OOR | | Devops | Sk. Sameena |
| 57 | 21X41A05C2 | | SPM | | | | OOR | | Devops | Sk. Shamshoon |
| 58 | 21X41A05C3 | | SPM | | | | OOR | | Devops | M. Manikanteswara |
| 59 | 21X41A05C4 | | SPM | | | | OOR | | Devops | T. Jayanth. |

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| S No | ROLL NO | Professional Elective- I | | | | Open Elective I | | Skill Oriented Course – III | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AI | SPM | DS | Adv Unix | Other Dept | OOR | Animation course | DevOps | |
| 60 | 21X41A05C5 | | SPM | | | | OOR | | Devops | Tanveer |
| 61 | 21X41A05C6 | | SPM | | | | OOR | | Devops | Sai Sree |
| 62 | 21X41A05C7 | | SPM | | | | OOR | | Devops | Bhavath |
| 63 | 21X41A05C8 | | SPM | | | | OOR | | Devops | Santhosh |
| 64 | 22X45A0508 | | SPM | | | | OOR | | Devops | K. Bhuvana Kalyani |
| 65 | 22X45A0509 | | SPM | | | | OOR | | Devops | K. Vijay |
| 66 | 22X45A0510 | | SPM | | | | OOR | | Devops | M. Jhansi |
| 67 | 22X45A0511 | | SPM | | | | OOR | | Devops | Bhargavi |
| 68 | 22X45A0512 | | SPM | | | | OOR | | Devops | P. Yuktija |
| 69 | 22X45A0513 | | SPM | | | | OOR | | Devops | Praveen |
| 70 | 22X45A0514 | | SPM | | | | OOR | | Devops | S. Akhilesh |
| 71 | 22X45A0515 | | SPM | | | | OOR | | Devops | T. Manoja |

HOD/Date 18/7/23

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**(ISO 9001:2015 Certified Institution)**
**Department of Computer Science and Engineering**

Date: 11/07/2023

## CIRCULAR

The following subjects are offered as elective subjects for III/IV B.TECH, I Semester Computer Science and Engineering students for the academic year 2023-24 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Open Elective- I (Inter Disciplinary)**, **Professional Elective-I** subjects and **Skill Oriented Course – III** among the options in the given proforma, on or before 16/07/2023. The syllabus copies are enclosed.

**Professional Elective- I**

1. Artificial Intelligence
2. Software Project Management
3. Distributed Systems
4. Advanced UNIX Programming

**Open Elective- I**

Open Electives offered by other departments/ Optimization in Operations Research

**Skill Oriented Course – III**

1. Animation course: Animation Design
2. Continuous Integration and Continuous Delivery using DevOps

11/7/23

**HOD / Date**

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**KAKINADA – 533 003, Andhra Pradesh, India**

**DEPARTMENT OF CSE - DATA SCIENCE**

# COURSE STRUCTURE AND SYLLABUS

## For UG – R20

## B. Tech - COMPUTER SCIENCE AND ENGINEERING with Specialization

## DATA SCIENCE

*(Applicable for batches admitted from 2020-2021)*

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
**KAKINADA - 533 003, Andhra Pradesh, India**

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ENIKEPADU, VIJAYAWADA-521 108.

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF CSE - DATA SCIENCE

| III B. Tech – II Semester | | | | | | |
|---|---|---|---|---|---|---|
| **S.No** | **Course Code** | **Courses** | **Hours per week** | | | **Credits** |
| | | | **L** | **T** | **P** | **C** |
| 1 | PC | Computer Networks | 3 | 0 | 0 | 3 |
| 2 | PC | Big Data Analytics | 3 | 0 | 0 | 3 |
| 3 | PC | Design and Analysis of Algorithms | 3 | 0 | 0 | 3 |
| 4 | PE | **Professional Elective-II**<br>1. Deep Learning<br>2. Software Project Management<br>3.Distributed Systems<br>4. Data Wrangling in Data Science<br>5. ETL Principles | 3 | 0 | 0 | 3 |
| 5 | Open Elective/Job Oriented | **Open Elective-II**<br>Open Electives offered by other departments/<br>MEAN Stack Development (Job Oriented Course) | 3 | 0 | 0 | 3 |
| 6 | PC | Computer Networks Lab | 0 | 0 | 3 | 1.5 |
| 7 | PC | Big Data Analytics Lab | 0 | 0 | 3 | 1.5 |
| 8 | PC | Deep Learning with Tensorflow | 0 | 0 | 3 | 1.5 |
| 9 | SO | **Skill Oriented Course - IV**<br>1. MEAN Stack Technologies-ModuleI-HTML5, Java Script, Node.js, express.js and Type Script **OR**<br>2. ETL Design Procedures-Spark | 0 | 0 | 4 | 2 |
| 10 | MC | Employability skills-II | 2 | 0 | 0 | 0 |
| **Total credits** | | | | | | **21.5** |
| **Industrial/Research Internship(Mandatory) 2 Months during summer vacation** | | | | | | |
| 11 | Minor | Data Science Applications [$] | 3 | 0 | 2 | **4** |
| **Minor courses through SWAYAM** | | | 0 | 0 | 0 | **2** |

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**(ISO 9001:2015 Certified Institution)**
**Department of Computer Science and Engineering(Data Science)**

Date: 26/12/2023

## CIRCULAR

This is to inform all the students of III/ IV B.TECH, II Semester, Computer Science and Engineering (Data Science), that as per the options given by the students, the departmental academic committee decided to offer **Software Project Management** as a Professional Elective- II (R20 Syllabus), offered by parent department and **MEAN Stack Development** (Job Oriented) subject as Open Elective- II and **MEAN Stack Technologies Module I** as Skill Oriented Course - IV for the academic year 2023-24. Student roll lists for electives are enclosed.

Radhika 26/12/23
**HOD / Date**

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Accredited by NAAC with 'A' grade
Department of Computer Science and Engineering (DATA SCIENCE)

## LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

**Year/ Semester: III/ II**

**Academic Year: 2023-24 (R20)**
**Section-I**

| S No | ROLL NO | Professional Elective- II | | | | | Open Elective II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DL | SPM | DS | DW in DS | ETL | Other Dept | MSD | MST-Mod-I | ETL Design Spark | |
| 1 | 21X41A4401 | | SPM | | | | | MSD | MSD | | Linga |
| 2 | 21X41A4402 | | SPM | | | | | MSD | MST | | A. Soumya. |
| 3 | 21X41A4403 | | SPM | | | | | MSD | MSD | | Savithika |
| 4 | 21X41A4404 | | SPM | | | | | MSD | MSD | | neha kanal |
| 5 | 21X41A4405 | | SPM | | | | | MSD | MST | | D. Jyothikaryasri |
| 6 | 21X41A4406 | | SPM | | | | | MSD | MST | | neela rao |
| 7 | 21X41A4407 | | SPM | | | | | MSD | MST | | D. Jyothi |
| 8 | 21X41A4408 | | SPM | | | | | MSD | MST | | D. Tejasai |
| 9 | 21X41A4409 | | SPM | | | | | MSD | MST | | sai chithanya |
| 10 | 21X41A4410 | | SPM | | | | | MSD | MST | | G. Vagdevi |
| 11 | 21X41A4411 | | SPM | | | | | MSD | MST | | G. Bhavyasri |
| 12 | 21X41A4412 | | SPM | | | | | MSD | MST | | Yamuktha |
| 13 | 21X41A4413 | | SPM | | | | | MSD | MST | | Cheruthi |
| 14 | 21X41A4414 | | SPM | | | | | MSD | MST | | G. Divyasri |
| 15 | 21X41A4415 | | SPM | | | | | MSD | MST | | J. Nikitha |
| 16 | 21X41A4417 | | SPM | | | | | MSD | MST | | K. Lasya |
| 17 | 21X41A4418 | | SPM | | | | | MSD | MST | | |

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**Department of Computer Science and Engineering (DATA SCIENCE)**

| S No | ROLL NO | Professional Elective- II | | | | | Open Elective II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DL | SPM | DS | DW in DS | ETL | Other Dept | MSD | MST-Mod-I | ETL Design Spark | |
| 18 | 21X41A4419 | | SPM | | | | | MSD | MST | | vishwak |
| 19 | 21X41A4420 | | SPM | | | | | MSD | MST | | Lakshma |
| 20 | 21X41A4421 | | SPM | | | | | MSD | MST | | K. havanya. |
| 21 | 21X41A4422 | | SPM | | | | | MSD | MST | | |
| 22 | 21X41A4423 | | SPM | | | | | MSD | MST | | |
| 23 | 21X41A4424 | | SPM | | | | | MSD | MST | | |
| 24 | 21X41A4425 | | SPM | | | | | MSD | MST | | K. Sailalithya |
| 25 | 21X41A4426 | | SPM | | | | | MSD | MST | | K. Jubash |
| 26 | 21X41A4427 | | SPM | | | | | MSD | MST | | K. Mallika |
| 27 | 21X41A4428 | | SPM | | | | | MSD | MST | | Ash |
| 28 | 21X41A4429 | | SPM | | | | | MSD | MST | | Roshn |
| 29 | 21X41A4430 | | SPM | | | | | MSD | MST | | Tum |
| 30 | 21X41A4431 | | SPM | | | | | MSD | MST | | |
| 31 | 21X41A4432 | | SPM | | | | | MSD | MST | | |
| 32 | 21X41A4433 | | SPM | | | | | MSD | MST | | M. Nagapranathi |
| 33 | 21X41A4434 | | SPM | | | | | MSD | MST | | M. shankar |
| 34 | 21X41A4435 | | SPM | | | | | MSD | MST | | Ammu |
| 35 | 21X41A4436 | | SPM | | | | | MSD | MST | | Shorb |
| 36 | 21X41A4437 | | SPM | | | | | MSD | MST | | |
| 37 | 21X41A4438 | | SPM | | | | | MSD | MST | | |

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**Department of Computer Science and Engineering (DATA SCIENCE)**

| S No | ROLL NO | Professional Elective- II | | | | | Open Elective II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DL | SPM | DS | DW in DS | ETL | Other Dept | MSD | MST-Mod-I | ETL Design Spark | |
| 38 | 21X41A4439 | | SPM | | | | | MSD | MST | | sarath |
| 39 | 21X41A4440 | | SPM | | | | | MSD | MST | | P. Mohana Sree Andal. |
| 40 | 21X41A4441 | | SPM | | | | | MSD | MST | | Sri |
| 41 | 21X41A4442 | | SPM | | | | | MSD | MST | | Sai |
| 42 | 21X41A4443 | | SPM | | | | | MSD | MST | | Pooja |
| 43 | 21X41A4444 | | SPM | | | | | MSD | MST | | R. Bhavana |
| 44 | 21X41A4445 | | SPM | | | | | MSD | MST | | R. V. Saikeerthana |
| 45 | 21X41A4446 | | SPM | | | | | MSD | MST | | Sai |
| 46 | 21X41A4447 | | SPM | | | | | MSD | MST | | Saradu |
| 47 | 21X41A4448 | | SPM | | | | | MSD | MST | | Sk. Fazal. |
| 48 | 21X41A4449 | | SPM | | | | | MSD | MST | | Sk. Nagasubhash |
| 49 | 21X41A4450 | | SPM | | | | | MSD | MST | | Sk. Tajuddin |
| 50 | 21X41A4451 | | SPM | | | | | MSD | MST | | S. Pithlu |
| 51 | 21X41A4452 | | SPM | | | | | MSD | MST | | Akitha |
| 52 | 21X41A4453 | | SPM | | | | | MSD | MST | | Harsha |
| 53 | 21X41A4454 | | SPM | | | | | MSD | MST | | V. Pavani |
| 54 | 21X41A4455 | | SPM | | | | | MSD | MST | | Vkeerthi |
| 55 | 21X41A4456 | | SPM | | | | | MSD | MST | | V. Ravicharan. |
| 56 | 21X41A4457 | | SPM | | | | | MSD | MST | | Soniya |
| 57 | 21X41A4458 | | SPM | | | | | MSD | MST | | |
| 58 | 22X45A4402 | | SPM | | | | | MSD | MST | | Nag |

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**Department of Computer Science and Engineering (DATA SCIENCE)**

| S No | ROLL NO | Professional Elective- II | | | | | Open Elective II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DL | SPM | DS | DW in DS | ETL | Other Dept | MSD | MST-Mod-I | ETL Design Spark | |
| 59 | 22X45A4403 | | SPM | | | | | MSD | MST | | Bhargav |
| 60 | 22X45A4404 | | SPM | | | | | MSD | MST | | I. Harithad |
| 61 | 22X45A4405 | | SPM | | | | | MSD | MST | | Chakri |
| 62 | 22X45A4406 | | SPM | | | | | MSD | MST | | Sruradhra |
| 63 | 22X45A4407 | | SPM | | | | | MSD | MST | | Sirisha |
| 64 | 22X45A4408 | | SPM | | | | | MSD | MST | | Sivas |
| 65 | 22X45A4409 | | SPM | | | | | MSD | MST | | Ardhi |
| 66 | 22X45A4410 | | SPM | | | | | MSD | MST | | |
| 67 | 22X45A4411 | | SPM | | | | | MSD | MST | | |

Radhika

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**(ISO 9001:2015 Certified Institution)**
**Department of Computer Science and Engineering(Data Science)**

Date: 18/12/2023

## CIRCULAR

The following subjects are offered as elective subjects for III/IV B.TECH, II Semester Computer Science and Engineering(Data Science) students for the academic year 2023-24 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Open Elective- II, Professional Elective-II** subjects and **Skill Oriented Course - IV** among the options in the given proforma, on or before 21/12/2023. The syllabus copies are enclosed.

**Professional Elective-II**

1. Deep Learning
2. Software Project Management
3. Distributed Systems
4. Data Wrangling in Data Science
5. ETL Principles

**Open Elective-II**

Open Electives offered by other departments/ MEAN Stack Development (Job Oriented)

**Skill Oriented Course - IV**

1. MEAN Stack Technologies Module I
2. ETL Design Procedures-Spark

Radhika
**HOD / Date** 18/12

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**KAKINADA – 533 003, Andhra Pradesh, India**

**DEPARTMENT OF CSE - DATA SCIENCE**

# COURSE STRUCTURE AND SYLLABUS

## For UG – R20

## B. Tech - COMPUTER SCIENCE AND ENGINEERING with Specialization

## DATA SCIENCE

*(Applicable for batches admitted from 2020-2021)*

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF CSE - DATA SCIENCE

| IV B. Tech –I Semester (Tentative) | | | | | | |
|---|---|---|---|---|---|---|
| **S.No** | **Course Code** | **Course Title** | **Hours per week** | | | **Credits** |
| | | | **L** | **T** | **P** | **C** |
| 1 | PE | **Professional Elective-III**<br>1. Reinforcement Learning<br>2. Nature Inspired Computing Techniques<br>3. Social Media Analytics<br>4. Block Chain Technologies | 3 | 0 | 0 | 3 |
| 2 | PE | **Professional Elective-IV**<br>1. SnowFlake Cloud Analytics<br>2. Cloud Computing<br>3. Information Retrieval Systems<br>4. NOSQL Databases | 3 | 0 | 0 | 3 |
| 3 | PE | **Professional Elective-V**<br>1. Social Network Analysis<br>2. Recommender Systems<br>3. AI Chatbots<br>4. Data Visualization | 3 | 0 | 0 | 3 |
| 4 | Open Elective /Job Oriented | **Open Elective-III**<br>Open Electives offered by other departments/<br>API and Microservices (Job Oriented Course) | 3 | 0 | 0 | 3 |
| 5 | Open Elective /Job Oriented | **Open Elective-IV**<br>Open Electives offered by other departments/<br>Secure Coding Techniques (Job Oriented Course) | 3 | 0 | 0 | 3 |
| 6 | HS | Universal Human Values 2: Understanding Harmony | 3 | 0 | 0 | 3 |
| 7 | SO | 1.Machine Learning with Go (Infosys Spring Board) **OR**<br>2.MEAN Stack Technologies-Module II-Angular JS and MongoDB | 0 | 0 | 4 | 2 |
| 8 | PR | **Industrial/Research Internship 2 months (Mandatory) after third year (to be evaluated during VII semester** | 0 | 0 | 0 | 3 |
| **Total credits** | | | | | | **23** |
| 9 | Minor | Data Wrangling in Data Science[$] | 4 | 0 | 0 | 4 |
| **Minor courses through SWAYAM** | | | 0 | 0 | 0 | **2** |

$- Integrated Course

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**Department of Computer Science and Engineering**
**(Data Science)**

Date: 20/06/2023

## CIRCULAR

This is to inform all the students of IV/ IV B.TECH, I Semester, Computer Science and Engineering, that as per the options given by the students, the departmental academic committee decided to offer **Block Chain Technologies** as a Professional Elective- III, **Cloud Computing** as a Professional Elective- IV , **Data Visualization** as Professional Elective-V offered by parent department and **Additive Manufacturing** subject as Open Elective- III (Inter Disciplinary) offered by Mechanical Engineering, **Principles of Communications** as Open Elective- IV (Inter Disciplinary) offered by Electronics and Communications Engineering and **MEAN Stack Technologies-Module II Angular JS and MongoDB** as Skill Oriented for the academic year 2023-24. Student roll lists for electives are enclosed.

20/6/23
**HOD CSE**

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Department of Computer Science and Engineering( DATA SCIENCE)

## LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24 (R20)** **Year/ Semester: IV/ I**

**Section-I**

| S No | ROLL NO | Professional Elective- III | | | | Professional Elective- III | | | | Professional Elective-V | | | | Open Elective-III | | Open Elective-IV | | Signature of Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RL | NICT | SMA | BCT | SFCA | CC | IRS | No SQL | SNA | RS | AICB | DV | Other Dept | API &MS | Other Dept | SCT | |
| 1 | 20X41A4401 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | D. peranath |
| 2 | 20X41A4402 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | A. charan |
| 3 | 20X41A4403 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | A. vaishu |
| 4 | 20X41A4404 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | A. Vikram |
| 5 | 20X41A4405 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | A. praveen |
| 6 | 20X41A4406 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | A. Navidth |
| 7 | 20X41A4407 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | A. Ajay |
| 8 | 20X41A4408 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | A. Subram |
| 9 | 20X41A4409 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | B. vaishu |
| 10 | 20X41A4410 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | B. Sravan |
| 11 | 20X41A4411 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | ch. deusche |
| 12 | 20X41A4412 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | ch. Kiran |
| 13 | 20X41A4413 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | ch. Abhi |
| 14 | 20X41A4414 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | D. Snider |
| 15 | 20X41A4415 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | D. Rajesw |

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HOD/Date 20/6/23

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| S No | ROLL NO | Professional Elective- III | | | | Professional Elective- III | | | | Professional Elective-V | | | | Open Elective-III | | Open Elective-IV | | Signature of Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RL | NICT | SMA | BCT | SFCA | CC | IRS | No SQL | SNA | RS | AICB | DV | Other Dept | API &MS | Other Dept | SCT | |
| 16 | 20X41A4416 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | D Yaswan |
| 17 | 20X41A4417 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | D Sravani |
| 18 | 20X41A4418 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | D. Praveen |
| 19 | 20X41A4419 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | Durga |
| 20 | 20X41A4420 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | E Sushma |
| 21 | 20X41A4421 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | G Sandhya |
| 22 | 20X41A4422 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | G. Sunil |
| 23 | 20X41A4423 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | J. Abhinay |
| 24 | 20X41A4424 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | J. Anjaneyulu |
| 25 | 20X41A4425 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | J. Yasmin |
| 26 | 20X41A4426 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | J. Ra |
| 27 | 20X41A4427 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | K Bha |
| 28 | 20X41A4428 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | K Mahe |
| 29 | 20X41A4429 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | K. Mahesh |
| 30 | 20X41A4430 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | K Nagendra |
| 31 | 20X41A4431 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | K. Sai Anitha |
| 32 | 20X41A4432 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | K. Bhargav |
| 33 | 20X41A4433 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | K. Tarun |
| 34 | 20X41A4434 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | K Mani |
| 35 | 20X41A4435 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | K Sahi |

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HOD/Date
20/6/23

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**Department of Computer Science and Engineering( DATA SCIENCE)**

| S No | ROLL NO | Professional Elective- III | | | | Professional Elective- III | | | | Professional Elective-V | | | | Open Elective-III | | Open Elective-IV | | Signature of Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RL | NICT | SMA | BCT | SFCA | CC | IRS | No SQL | SNA | RS | AICB | DV | Other Dept | API &MS | Other Dept | SCT | |
| 36 | 20X41A4436 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 37 | 20X41A4437 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 38 | 20X41A4438 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 39 | 20X41A4440 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 40 | 20X41A4441 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 41 | 20X41A4442 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 42 | 20X41A4443 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 43 | 20X41A4444 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 44 | 20X41A4445 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 45 | 20X41A4446 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 46 | 20X41A4447 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 47 | 20X41A4448 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 48 | 20X41A4449 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 49 | 20X41A4450 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 50 | 20X41A4451 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 51 | 20X41A4452 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 52 | 20X41A4453 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 53 | 20X41A4454 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 54 | 20X41A4455 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 55 | 20X41A4456 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |

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HOD Date 20/6/23

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**(ISO 9001:2015 Certified Institution)**

**Accredited by NAAC with 'A' grade**

**Department of Computer Science and Engineering( DATA SCIENCE)**

| S No | ROLL NO | Professional Elective- III | | | | Professional Elective- III | | | | Professional Elective-V | | | | Open Elective-III | | Open Elective-IV | | Signature of Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RL | NICT | SMA | BCT | SFCA | CC | IRS | No SQL | SNA | RS | AICB | DV | Other Dept | API &MS | Other Dept | SCT | |
| 56 | 20X41A4457 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 57 | 20X41A4458 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 58 | 20X41A4459 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 59 | 20X41A4460 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 60 | 20X41A4461 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 61 | 20X41A4463 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 62 | 20X41A4464 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 63 | 21X45A4401 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 64 | 21X45A4403 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 65 | 21X45A4404 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 66 | 21X45A4405 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| 67 | 21X45A4406 | | | | ✓ | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |

HOD/Date 20/6/23

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**(ISO 9001:2015 Certified Institution)**
**Accredited by NAAC with 'A' grade**
**Department of Computer Science and Engineering**
**(Data Science)**

Date: 13/06/2023

## CIRCULAR

The following subjects are offered as elective subjects for IV/IV B.TECH, I Semester Computer Science and Engineering students for the academic year 2023-24 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Professional Elective-III, Professional Elective- IV, Professional Elective-V and Open Elective- III &IV** subjects among the options in the given proforma, on or before 17/06/2023. The syllabus copies are enclosed.

**Professional Elective-III**

1. Reinforcement Learning
2. Nature Inspired Computing Techniques
3. Social Media Analytics
4. Block Chain Technologies

**Professional Elective-IV**

1. Snow Flake Cloud Analytics
2. Cloud Computing
3. Information Retrieval Systems
4. NOSQL Databases

**Professional Elective-V**

1. Social Network Analysis
2. Recommender Systems
3. AI Chatbots
4. Data Visualization

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**Open Elective-III**

Open Electives offered by other departments/ API and Micro services (Job Oriented Course)

**Open Elective-IV**

Open Electives offered by other departments/ Secure Coding Techniques (Job Oriented Course)

**Skill Oriented**

1. Machine Learning with Go (Infosys Spring Board)
2. MEAN Stack Technologies-Module II MongoDB, Express.js, Angular JS Node.js, and AJAX

HOD / Date 13/6/23

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
**KAKINADA – 533 003, Andhra Pradesh, India**

**DEPARTMENT OF CSE - DATA SCIENCE**

# COURSE STRUCTURE AND SYLLABUS

## For UG – R20

## B. Tech - COMPUTER SCIENCE AND ENGINEERING with Specialization

## DATA SCIENCE

*(Applicable for batches admitted from 2020-2021)*

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
**KAKINADA - 533 003, Andhra Pradesh, India**

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF CSE - DATA SCIENCE

| III B. Tech – I Semester | | | | | | |
|---|---|---|---|---|---|---|
| **S.No** | **Course Code** | **Courses** | **Hours per week** | | | **Credits** |
| | | | **L** | **T** | **P** | **C** |
| 1 | PC | Compiler Design | 3 | 0 | 0 | 3 |
| 2 | PC | Operating Systems | 3 | 0 | 0 | 3 |
| 3 | PC | Machine Learning | 3 | 0 | 0 | 3 |
| 4 | Open Elective/Job Oriented | **Open Elective-I**<br>Open Electives offered by other departments/<br>Optimization in Operations Research (Job oriented course) | 3 | 0 | 0 | 3 |
| 5 | PE | **Professional Elective-I**<br>1. Software Engineering<br>2. Object Oriented Analysis and Design<br>3. DevOps<br>4. Internet of Things | 3 | 0 | 0 | 3 |
| 6 | PC | Operating Systems & Compiler Design Lab | 0 | 0 | 3 | 1.5 |
| 7 | PC | Machine Learning Lab | 0 | 0 | 3 | 1.5 |
| 8 | SO | **Skill Oriented Course - III**<br>1. Continuous Integration and Continuous Delivery using DevOps **OR**<br>2.Helical Insight | 0 | 0 | 4 | 2 |
| 9 | MC | Employability Skills-I | 2 | 0 | 0 | 0 |
| 10 | PR | **Summer Internship 2 Months (Mandatory) after second year (to be evaluated during V semester** | 0 | 0 | 0 | 1.5 |
| **Total credits** | | | | | | **21.5** |
| 11 | Minor | Data Warehousing and Data Mining $ | 3 | 0 | 2 | **4** |

$- Integrated Course

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**(ISO 9001:2015 Certified Institution)**
**Department of Computer Science and Engineering(Data Science)**

Date: 18/07/2023

## CIRCULAR

This is to inform all the students of III/ IV B.TECH, I Semester, Computer Science and Engineering(Data Science), that as per the options given by the students, the departmental academic committee decided to offer **DevOps** as a Professional Elective- I (R20 Syllabus), offered by parent department and **Optimization in Operations Research** subject as Open Elective- I (Inter Disciplinary) offered by Science and Humanities Department and **Continuous Integration and Continuous Delivery using DevOps** as Skill Oriented Course - III for the academic year 2023-24. Student roll lists for electives are enclosed.

**HOD / Date** 18/7/23

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Department of Computer Science and Engineering (DATA SCIENCE)

## LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24 (R20)** **Year/ Semester: III/ I**
**Section-I**

| S No | ROLL NO | Professional Elective- I | | | | Open Elective I | | Skill Oriented Course – III | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | SE | OOAD | DevOps | IOT | Other Dept | OOR | CICD Using DevOps | H I | |
| 1 | 21X41A4401 | | | | | | | | | |
| 2 | 21X41A4402 | | | ✓ | | | ✓ | ✓ | | A Sowmya |
| 3 | 21X41A4403 | | | ✓ | | | ✓ | ✓ | | A. Sadhvika |
| 4 | 21X41A4404 | | | ✓ | | | ✓ | ✓ | | CH. Nehatama |
| 5 | 21X41A4405 | | | ✓ | | | ✓ | ✓ | | D. Jyothi Kavyasri |
| 6 | 21X41A4406 | | | ✓ | | | ✓ | ✓ | | |
| 7 | 21X41A4407 | | | ✓ | | | ✓ | ✓ | | D. Jyothi |
| 8 | 21X41A4408 | | | ✓ | | | ✓ | ✓ | | D. Teja Sri |
| 9 | 21X41A4409 | | | ✓ | | | ✓ | ✓ | | |
| 10 | 21X41A4410 | | | ✓ | | | ✓ | ✓ | | K. Chaitany Krishna. |
| 11 | 21X41A4411 | | | ✓ | | | ✓ | ✓ | | G. Vagdevi |
| 12 | 21X41A4412 | | | ✓ | | | ✓ | ✓ | | G. Bhavya Sri |
| 13 | 21X41A4413 | | | ✓ | | | ✓ | ✓ | | G. Y. Aswitha |
| 14 | 21X41A4414 | | | ✓ | | | ✓ | ✓ | | Ekavathi |
| 15 | 21X41A4415 | | | ✓ | | | ✓ | ✓ | | G. Divya Sri |
| 16 | 21X41A4417 | | | ✓ | | | ✓ | ✓ | | J. Nischitha |
| 17 | 21X41A4418 | | | ✓ | | | ✓ | ✓ | | Kvasuki |

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**Department of Computer Science and Engineering (DATA SCIENCE)**

| S No | ROLL NO | Professional Elective- I | | | | Open Elective I | | Skill Oriented Course – III | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | SE | OOAD | DevOps | IOT | Other Dept | OOR | CICD Using DevOps | H I | |
| 18 | 21X41A4419 | | | ✓ | | | ✓ | ✓ | | K. Vishwesh |
| 19 | 21X41A4420 | | | ✓ | | | ✓ | ✓ | | Lakshmav |
| 20 | 21X41A4421 | | | ✓ | | | ✓ | ✓ | | K Laxanya |
| 21 | 21X41A4422 | | | ✓ | | | ✓ | ✓ | | Y. Saumyasri |
| 22 | 21X41A4423 | | | ✓ | | | ✓ | ✓ | | Pranav. K |
| 23 | 21X41A4424 | | | | | | | | | |
| 24 | 21X41A4425 | | | ✓ | | | ✓ | ✓ | | K. Jaladitya |
| 25 | 21X41A4426 | | | ✓ | | | ✓ | ✓ | | K. Subhash |
| 26 | 21X41A4427 | | | ✓ | | | ✓ | ✓ | | K. Mallika |
| 27 | 21X41A4428 | | | ✓ | | | ✓ | ✓ | | K. Achsah. |
| 28 | 21X41A4429 | | | ✓ | | | ✓ | ✓ | | K. Roshini |
| 29 | 21X41A4430 | | | ✓ | | | ✓ | ✓ | | |
| 30 | 21X41A4431 | | | ✓ | | | ✓ | ✓ | | M. Susmitha |
| 31 | 21X41A4432 | | | ✓ | | | ✓ | ✓ | | P. Santosh |
| 32 | 21X41A4433 | | | ✓ | | | ✓ | ✓ | | M. Naga Pavani |
| 33 | 21X41A4434 | | | ✓ | | | ✓ | ✓ | | M jay shanka |
| 34 | 21X41A4435 | | | ✓ | | | ✓ | ✓ | | Md Tanveruddin |
| 35 | 21X41A4436 | | | ✓ | | | ✓ | ✓ | | MD. Shoaib |
| 36 | 21X41A4437 | | | ✓ | | | ✓ | ✓ | | M. Yuktesh |
| 37 | 21X41A4438 | | | ✓ | | | ✓ | ✓ | | N. Pravitha |
| 38 | 21X41A4439 | | | ✓ | | | ✓ | ✓ | | N. Saketh |

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**Department of Computer Science and Engineering (DATA SCIENCE)**

| S No | ROLL NO | Professional Elective- I | | | | Open Elective I | | Skill Oriented Course – III | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | SE | OOAD | DevOps | IOT | Other Dept | OOR | CICD Using DevOps | H I | |
| 39 | 21X41A4440 | | | ✓ | | | ✓ | ✓ | | P. Mohanasree |
| 40 | 21X41A4441 | | | ✓ | | | ✓ | ✓ | | P. Sai Baij |
| 41 | 21X41A4442 | | | ✓ | | | ✓ | ✓ | | P. Sneha |
| 42 | 21X41A4443 | | | ✓ | | | ✓ | ✓ | | B. Poojitha |
| 43 | 21X41A4444 | | | ✓ | | | ✓ | ✓ | | R. Bhavana |
| 44 | 21X41A4445 | | | ✓ | | | ✓ | ✓ | | R.V. Saikeerthana |
| 45 | 21X41A4446 | | | ✓ | | | ✓ | ✓ | | Sushma |
| 46 | 21X41A4447 | | | ✓ | | | ✓ | ✓ | | Sarada |
| 47 | 21X41A4448 | | | ✓ | | | ✓ | ✓ | | Shaikfaza |
| 48 | 21X41A4449 | | | ✓ | | | ✓ | ✓ | | ~~Sk. Tajuddin~~ Sk. Subhash |
| 49 | 21X41A4450 | | | ✓ | | | ✓ | ✓ | | Sk. Tajuddin |
| 50 | 21X41A4451 | | | ✓ | | | ✓ | ✓ | | Ruth Lolk |
| 51 | 21X41A4452 | | | ✓ | | | ✓ | ✓ | | T. Nikitha |
| 52 | 21X41A4453 | | | ✓ | | | ✓ | ✓ | | T. Harshitha |
| 53 | 21X41A4454 | | | ✓ | | | ✓ | ✓ | | Pavani |
| 54 | 21X41A4455 | | | ✓ | | | ✓ | ✓ | | V. Keerthi |
| 55 | 21X41A4456 | | | ✓ | | | ✓ | | | Ravicharan |
| 56 | 21X41A4457 | | | ✓ | | | ✓ | ✓ | | Surya |
| 57 | 21X41A4458 | | | ✓ | | | ✓ | ✓ | | ~~Vinay~~ |
| 58 | 22X45A4402 | | | ✓ | | | ✓ | ✓ | | Nagarjuna |
| 59 | 22X45A4403 | | | ✓ | | | ✓ | ✓ | | G. Bhargav |

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**Department of Computer Science and Engineering (DATA SCIENCE)**

| S No | ROLL NO | Professional Elective- I | | | | Open Elective I | | Skill Oriented Course – III | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | SE | OOAD | DevOps | IOT | Other Dept | OOR | CICD Using DevOps | H I | |
| 60 | 22X45A4404 | | | ✓ | | | ✓ | ✓ | | I. Haritha |
| 61 | 22X45A4405 | | | ✓ | | | ✓ | ✓ | | K. Sichuk |
| 62 | 22X45A4406 | | | ✓ | | | ✓ | ✓ | | K. Surendra. |
| 63 | 22X45A4407 | | | ✓ | | | ✓ | ✓ | | sv |
| 64 | 22X45A4408 | | | ✓ | | | ✓ | ✓ | | S. Devanandhasrinivas |
| 65 | 22X45A4409 | | | ✓ | | | ✓ | ✓ | | T. Anandkumar |
| 66 | 22X45A4410 | | | ✓ | | | ✓ | ✓ | | V. Yogesh. |
| 67 | 22X45A4411 | | | ✓ | | | ✓ | ✓ | | PVL Subhash |

B. [signature]
HOD/Date 18/7/23

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**(ISO 9001:2015 Certified Institution)**
**Department of Computer Science and Engineering(Data Science)**

Date: 11/07/2023

## CIRCULAR

The following subjects are offered as elective subjects for III/IV B.TECH, I Semester Computer Science and Engineering(Data Science) students for the academic year 2023-24 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Open Elective- I (Inter Disciplinary), Professional Elective-I** subjects and **Skill Oriented Course - III** among the options in the given proforma, on or before 16/07/2023. The syllabus copies are enclosed.

**Professional Elective-I**

1. Software Engineering
2. Object Oriented Analysis and Design
3. DevOps
4. Internet of Things

**Open Elective- I**

Open Electives offered by other departments / Optimization in Operations Research

**Skill Oriented Course - III**

1. Continuous Integration and Continuous Delivery using DevOps
2. Helica Insight

**HOD / Date** 11/7/23

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
**KAKINADA – 533 003, Andhra Pradesh, India**

**DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

# COURSE STRUCTURE AND SYLLABUS

## For UG – R20

## B. Tech - COMPUTER SCIENCE AND ENGINEERING with Specialization

## Common to

**(i) CSE (ARTIFICIAL INTELLIGENCE and MACHINE LEARNING)-Branch Code:42**

**(ii) ARTIFICIAL INTELLIGENCE and MACHINE LEARNING - Branch Code: 61**

*(Applicable for batches admitted from 2020-2021)*

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
**KAKINADA - 533 003, Andhra Pradesh, India**

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

| III B. Tech – II Semester | | | | | | |
|---|---|---|---|---|---|---|
| **S.No** | **Course Code** | **Courses** | **Hours per week** | | | **Credits** |
| | | | **L** | **T** | **P** | **C** |
| 1 | PC | Computer Networks | 3 | 0 | 0 | 3 |
| 2 | PC | Deep Learning | 3 | 0 | 0 | 3 |
| 3 | PC | Design and Analysis of Algorithms | 3 | 0 | 0 | 3 |
| 4 | PE | **Professional Elective-II**<br>1. Software Project Management<br>2. Distributed Systems<br>3. Internet of Things<br>4. Network Programming | 3 | 0 | 0 | 3 |
| 5 | Open Elective/Job Oriented | **Open Elective-II**<br>Open Electives offered by other departments/<br>MEAN Stack Development (Job Oriented Course) | 3 | 0 | 0 | 3 |
| 6 | PC | Computer Networks Lab | 0 | 0 | 3 | 1.5 |
| 7 | PC | Algorithms for Efficient Coding Lab | 0 | 0 | 3 | 1.5 |
| 8 | PC | Deep Learning with Tensorflow | 0 | 0 | 3 | 1.5 |
| 9 | SO | **Skill Oriented Course - IV**<br>MEAN Stack Technologies-Module I-HTML 5, JavaScript, Node.js, Express.js and TypeScipt **OR**<br>Big Data : Apache Spark | 0 | 0 | 4 | 2 |
| 10 | MC | Employability skills-II | 2 | 0 | 0 | 0 |
| **Total credits** | | | | | | **21.5** |
| **Industrial/Research Internship(Mandatory) 2 Months during summer vacation** | | | | | | |
| 11 | Minor | Deep Learning$^{\$}$ | 3 | 0 | 2 | 4 |
| **Minor courses through SWAYAM** | | | 0 | 0 | 0 | 2 |

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**(ISO 9001:2015 Certified Institution)**
**Department of Computer Science and Engineering**
**(Artificial Intelligence & Machine Learning)**

Date: 26/12/2023

## CIRCULAR

This is to inform all the students of III/ IV B.TECH, II Semester, Computer Science and Engineering (AI & ML), that as per the options given by the students, the departmental academic committee decided to offer **Software Project Management** as a Professional Elective- II (R20 Syllabus), offered by parent department and **MEAN Stack Development (Job Oriented)** subject as Open Elective- II and **MEAN Stack Technologies-Module I** as Skill Oriented Course – IV offered for the academic year 2023-24. Student roll lists for electives are enclosed.

Radhika
**HOD / Date** 26/12/23

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**Accredited by NAAC with 'A' grade**
**Department of Computer Science and Engineering (AI & ML)**

## LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24 (R20)** **Year/ Semester: III/ II**

**Section-I**

| S No | ROLL NO | Professional Elective- II | | | | Open Elective- II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | SPM ✓ | DS | IOT | NP | Other Dept | MSD ✓ | MST M-1 ✓ | BD-Apache Spark | |
| 1 | 21X41A4201 | SPM | | | | | MSD | MST M-1 | | Sk Abdul Jalil |
| 2 | 21X41A4202 | SPM | | | | | MSD | MST M-1 | | A. Chedradeep |
| 3 | 21X41A4203 | SPM | | | | | MSD | MST M-1 | | A Shivani |
| 4 | 21X41A4204 | SPM | | | | | MSD | MST M-1 | | A Iswarya |
| 5 | 21X41A4205 | SPM | | | | | MSD | MST M-1 | | B. Lakshmi Durga |
| 6 | 21X41A4206 | SPM | | | | | MSD | MST M-1 | | |
| 7 | 21X41A4207 | SPM | | | | | MSD | MST M-1 | | B. Gowtham |
| 8 | 21X41A4208 | SPM | | | | | MSD | MST M-1 | | B. Kavya |
| 9 | 21X41A4209 | SPM | | | | | MSD | MST M-1 | | |
| 10 | 21X41A4210 | SPM | | | | | MSD | MST M-1 | | B. Sravanthi |
| 11 | 21X41A4211 | SPM | | | | | MSD | MST M-1 | | Ch. Teja |
| 12 | 21X41A4212 | SPM | | | | | MSD | MST M-1 | | D. Rupa |
| 13 | 21X41A4213 | SPM | | | | | MSD | MST M-1 | | D. Varshitha |
| 14 | 21X41A4214 | SPM | | | | | MSD | MST M-1 | | G. Manoj |
| 15 | 21X41A4215 | SPM | | | | | MSD | MST M-1 | | G Gaby |
| 16 | 21X41A4216 | SPM | | | | | MSD | MST M-1 | | G Dhana |
| 17 | 21X41A4217 | SPM | | | | | MSD | MST M-1 | | G Lalu |

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**Department of Computer Science and Engineering (AI & ML)**

| S No | ROLL NO | Professional Elective- II | | | | Open Elective- II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | SPM | DS | IOT | NP | Other Dept | MSD | MST M-1 | BD-Apache Spark | |
| 18 | 21X41A4218 | SPM | | | | | MSD | MSTM-1 | | G. chakravarthi |
| 19 | 21X41A4219 | SPM | | | | | MSD | MSTM-1 | | G. Aditya |
| 20 | 21X41A4220 | SPM | | | | | MSD | MSTM-1 | | G. Harshitha |
| 21 | 21X41A4221 | SPM | | | | | MSD | MSTM-1 | | J. Anil |
| 22 | 21X41A4222 | SPM | | | | | MSD | MSTM-1 | | J. Maha Lakshmi |
| 23 | 21X41A4223 | SPM | | | | | MSD | MSTM-1 | | charan |
| 24 | 21X41A4224 | SPM | | | | | MSD | MSTM-1 | | K. Bhanu Teja |
| 25 | 21X41A4225 | SPM | | | | | MSD | MSTM-1 | | K. Pradeepthi |
| 26 | 21X41A4226 | SPM | | | | | MSD | MSTM-1 | | K. Sarika |
| 27 | 21X41A4227 | SPM | | | | | MSD | MSTM-1 | | K. Prudhvi raj |
| 28 | 21X41A4228 | SPM | | | | | MSD | MSTM-1 | | L. Rishi Vardhan |
| 29 | 21X41A4229 | SPM | | | | | MSD | MSTM-1 | | L. Reshma |
| 30 | 21X41A4230 | SPM | | | | | MSD | MSTM-1 | | M. Abhiram |
| 31 | 21X41A4231 | SPM | | | | | MSD | MSTM-1 | | M. Malleshwari |
| 32 | 21X41A4232 | SPM | | | | | MSD | MSTM-1 | | M. Somasekhar |
| 33 | 21X41A4233 | SPM | | | | | MSD | MSTM-1 | | M. Raghu Ram |
| 34 | 21X41A4235 | SPM | | | | | MSD | MSTM-1 | | Ch. Meghana |
| 35 | 21X41A4236 | SPM | | | | | MSD | MSTM-1 | | Likhitha |
| 36 | 21X41A4237 | SPM | | | | | MSD | MSTM-1 | | M. Harshavardhan |
| 37 | 21X41A4238 | SPM | | | | | MSD | MSTM-1 | | N. Swetha |

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# SRK INSTITUTE OF TECHNOLOGY

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**Approved by AICTE, Affiliated to JNTUK, Kakinada**

**(ISO 9001:2015 Certified Institution)**

**Accredited by NAAC with 'A' grade**

**Department of Computer Science and Engineering (AI & ML)**

| S No | ROLL NO | Professional Elective- II | | | | Open Elective- II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | SPM | DS | IOT | NP | Other Dept | MSD | MST M-1 | BD-Apache Spark | |
| 38 | 21X41A4239 | SPM | | | | | MSD | MST M-1 | | P. Manikanta |
| 39 | 21X41A4240 | SPM | | | | | MSD | MST M-1 | | |
| 40 | 21X41A4241 | SPM | | | | | MSD | MST M-1 | | Syam |
| 41 | 21X41A4242 | SPM | | | | | MSD | MST M-1 | | P. Janardhan Rao |
| 42 | 21X41A4244 | SPM | | | | | MSD | MST M-1 | | P. Mufali |
| 43 | 21X41A4245 | SPM | | | | | MSD | MST M-1 | | Bhuvana |
| 44 | 21X41A4246 | SPM | | | | | MSD | MST M-1 | | Sri lakhi |
| 45 | 21X41A4247 | SPM | | | | | MSD | MST M-1 | | Renuka |
| 46 | 21X41A4248 | SPM | | | | | MSD | MST M-1 | | Nagamani |
| 47 | 21X41A4249 | SPM | | | | | MSD | MST M-1 | | sk. Hannu |
| 48 | 21X41A4250 | SPM | | | | | MSD | MST M-1 | | |
| 49 | 21X41A4251 | SPM | | | | | MSD | MST M-1 | | S.V.V Prasanna |
| 50 | 21X41A4252 | SPM | | | | | MSD | MST M-1 | | Navya |
| 51 | 21X41A4253 | SPM | | | | | MSD | MST M-1 | | Labari |
| 52 | 21X41A4254 | SPM | | | | | MSD | MST M-1 | | Swapna |
| 53 | 21X41A4255 | SPM | | | | | MSD | MST M-1 | | sk Buran |
| 54 | 21X41A4256 | SPM | | | | | MSD | MST M-1 | | Shashank |
| 55 | 21X41A4257 | SPM | | | | | MSD | MST M-1 | | Narendra |
| 56 | 21X41A4258 | SPM | | | | | MSD | MST M-1 | | Vaishnavi |
| 57 | 21X41A4259 | SPM | | | | | MSD | MST M-1 | | pradeep |

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**Accredited by NAAC with 'A' grade**

**Department of Computer Science and Engineering (AI & ML)**

| S No | ROLL NO | Professional Elective- II | | | | Open Elective- II | | Skill Oriented Course – IV | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|---|
| | | SPM | DS | IOT | NP | Other Dept | MSD | MST M-1 | BD | |
| 58 | 21X41A4260 | SPM | | | | | MSD | MST M-1 | | V. Kartik |
| 59 | 22X45A4201 | SPM | | | | | MSD | MST M-1 | | Syam |
| 60 | 22X45A4202 | SPM | | | | | MSD | MST M-1 | | Karthik |
| 61 | 22X45A4203 | SPM | | | | | MSD | MST M-1 | | Chaitanya |
| 62 | 22X45A4204 | SPM | | | | | MSD | MST M-1 | | L. Ganesh |
| 63 | 22X45A4206 | SPM | | | | | MSD | MST M-1 | | Sk. Riyaz |
| 64 | 22X45A4207 | SPM | | | | | MSD | MST M-1 | | Lal Ahmad |
| 65 | 22X45A4208 | SPM | | | | | MSD | MST M-1 | | Sai lakshmi |
| 66 | 22X45A4209 | SPM | | | | | MSD | MST M-1 | | Sk Basha |
| 67 | 22X45A4210 | SPM | | | | | MSD | MST M-1 | | Sk Sameer |

Radhika
HOD / Date

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**Approved by AICTE, Affiliated to JNTUK, Kakinada**
**(ISO 9001:2015 Certified Institution)**
**Department of Computer Science and Engineering**
**(Artificial Intelligence & Machine Learning)**

Date: 18/12/2023

## CIRCULAR

The following subjects are offered as elective subjects for III/IV B.TECH, II Semester Computer Science and Engineering (AI & ML) students for the academic year 2023-24 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Open Elective- II, Professional Elective-II** and **Skill Oriented Course – IV** subjects among the options in the given proforma, on or before 21/12/2023. The syllabus copies are enclosed.

**Professional Elective-II**

1. Software Project Management
2. Distributed Systems
3. Internet of Things
4. Network Programming

**Open Elective-II**

Open Electives offered by other departments/ MEAN Stack Development (Job Oriented)

**Skill Oriented Course – IV**

1. MEAN Stack Technologies-Module-1
2. Big Data: Apache Spark

Radhika 18/12/23
**HOD / Date**

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
**KAKINADA – 533 003, Andhra Pradesh, India**

**DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

# COURSE STRUCTURE AND SYLLABUS

## For UG – R20

## B. Tech - COMPUTER SCIENCE AND ENGINEERING with Specialization

## Common to

**(i) CSE (ARTIFICIAL INTELLIGENCE and MACHINE LEARNING)-Branch Code:42**

**(ii) ARTIFICIAL INTELLIGENCE and MACHINE LEARNING - Branch Code: 61**

*(Applicable for batches admitted from 2020-2021)*

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
**KAKINADA - 533 003, Andhra Pradesh, India**

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ENIKEPADU, VIJAYAWADA-521 108.

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

| IV B. Tech –I Semester (Tentative) | | | | | | |
|---|---|---|---|---|---|---|
| **S.No** | **Course Code** | **Course Title** | **Hours per week** | | | **Credits** |
| | | | **L** | **T** | **P** | **C** |
| 1 | PE | **Professional Elective-III**<br>1.Reinforcement Learning<br>2.Soft Computing<br>3. Cryptography and Network Security<br>4. Block Chain Technologies<br>5. Speech Processing | 3 | 0 | 0 | 3 |
| 2 | PE | **Professional Elective-IV**<br>1. Robotic Process Automation<br>2. Cloud Computing<br>3. Big Data Analytics<br>4. NOSQL Databases<br>5. Video Analytics | 3 | 0 | 0 | 3 |
| 3 | PE | **Professional Elective-V**<br>1. Social Network Analysis<br>2. Recommender Systems<br>3. AI Chatbots<br>4. Object Oriented Analysis and Design<br>5. Semantic Web | 3 | 0 | 0 | 3 |
| 4 | Open Elective /Job Oriented | **Open Elective-III**<br>Open Electives offered by other departments/API and Microservices (Job Oriented Course) | 3 | 0 | 0 | 3 |
| 5 | Open Elective /Job Oriented | **Open Elective-IV**<br>Open Electives offered by other departments/Secure Coding Techniques (Job Oriented Course) | 3 | 0 | 0 | 3 |
| 6 | HS | Universal Human Values 2: Understanding Harmony | 3 | 0 | 0 | 3 |
| 7 | SO | 1.Machine Learning with Go (Infosys Spring Board) **OR**<br>2.MEAN Stack Technologies-Module II-Angular JS and MongoDB | 0 | 0 | 4 | 2 |
| 8 | PR | **Industrial/Research Internship 2 months (Mandatory) after third year (to be evaluated during VII semester** | 0 | 0 | 0 | 3 |
| **Total credits** | | | | | | **23** |
| 9 | Minor | Reinforcement Learning | 4 | 0 | 0 | 4 |
| **Minor courses through SWAYAM** | | | 0 | 0 | 0 | 2 |

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**Accredited by NAAC with 'A' grade**
**Department of Computer Science and Engineering**
**(Artificial Intelligence & Machine Learning)**

Date: 20/06/2023

## CIRCULAR

This is to inform all the students of IV/ IV B.TECH, I Semester, Computer Science and Engineering, that as per the options given by the students, the departmental academic committee decided to offer **Block-Chain Technologies** as a Professional Elective- III, **Cloud Computing** as a Professional Elective- IV , **AI Chat bots** as Professional Elective-V offered by parent department and **Additive Manufacturing** subject as Open Elective- III (Inter Disciplinary) offered by Mechanical Engineering, **Principles of Communications** as Open Elective- IV (Inter Disciplinary) offered by Electronics and Communications Engineering and **MEAN Stack Technologies-Module II Angular JS and MongoDB** as Skill Oriented for the academic year 2023-24. Student roll lists for electives are enclosed.

**HOD CSE** 20/6/23

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Notice Board

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Department of Computer Science and Engineering(AI & ML)

## LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24 (R20)** **Year/ Semester: IV/ I**

**Section-I**

| S No | ROLL NO | Professional Elective- III | | | | Professional Elective- IV | | | | Professional Elective-V | | | | Open Elective-III | | Open Elective-IV | | Signature of Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RL | SC | CNS | BCT | RPA | CC | BDA | No SQL | SNA | RS | AICB | OOAD | Other Dept | API &MS | Other Dept | SCT | |
| 1 | 20X41A4201 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | A. Mahesh |
| 2 | 20X41A4202 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Jyothi |
| 3 | 20X41A4203 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Ravi |
| 4 | 20X41A4204 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Ch Akash |
| 5 | 20X41A4205 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Mani |
| 6 | 20X41A4206 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Venkanna |
| 7 | 20X41A4207 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Ushasree |
| 8 | 20X41A4208 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Anilkumar |
| 9 | 20X41A4209 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Hema Sai |
| 10 | 20X41A4210 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Suvarna Reddy |
| 11 | 20X41A4211 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Chinna Rani |
| 12 | 20X41A4212 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | D. Kasimma |
| 13 | 20X41A4213 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | E. Bhaskar Reddy |
| 14 | 20X41A4214 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | E. Geetesh |
| 15 | 20X41A4215 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | G. Sirisha |

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HOD/Date 20/6/23

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**Department of Computer Science and Engineering(AI & ML)**

| S No | ROLL NO | Professional Elective- III | | | | Professional Elective- IV | | | | Professional Elective-V | | | | Open Elective-III | | Open Elective-IV | | Signature of Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RL | SC | CNS | BCT | RPA | CC | BDA | No SQL | SNA | RS | AICB | OOAD | Other Dept | API &MS | Other Dept | SCT | |
| 16 | 20X41A4216 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Syamala Latha |
| 17 | 20X41A4217 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Nikitha |
| 18 | 20X41A4218 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Lakshmi |
| 19 | 20X41A4219 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Seevagan. |
| 20 | 20X41A4220 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Soicheu |
| 21 | 20X41A4221 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Seeva |
| 22 | 20X41A4222 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Bhargava |
| 23 | 20X41A4223 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Gopraja |
| 24 | 20X41A4224 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Pavankalyan |
| 25 | 20X41A4225 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Bhanu |
| 26 | 20X41A4226 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Ramya |
| 27 | 20X41A4227 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | K. Radha |
| 28 | 20X41A4228 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | K. Sai Chandu |
| 29 | 20X41A4229 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | K. Vanka |
| 30 | 20X41A4230 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | K. durgarao |
| 31 | 20X41A4231 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | L. Mounika |
| 32 | 20X41A4232 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | M. Dhanushen |
| 33 | 20X41A4233 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | M. Udaykiran |
| 34 | 20X41A4234 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Md. Afrin |
| 35 | 20X41A4235 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | Md. Abdul |

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HOD/Date 20/6/23

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Department of Computer Science and Engineering(AI & ML)

| S No | ROLL NO | Professional Elective- III | | | | Professional Elective- IV | | | | Professional Elective-V | | | | Open Elective-III | | Open Elective-IV | | Signature of Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RL | SC | CNS | BCT | RPA | CC | BDA | No SQL | SNA | RS | AICB | OOAD | Other Dept | API &MS | Other Dept | SCT | |
| 36 | 20X41A4236 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 37 | 20X41A4237 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 38 | 20X41A4238 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 39 | 20X41A4239 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 40 | 20X41A4240 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 41 | 20X41A4241 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 42 | 20X41A4243 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 43 | 20X41A4244 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 44 | 20X41A4245 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 45 | 20X41A4246 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 46 | 20X41A4247 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 47 | 20X41A4248 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 48 | 20X41A4249 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 49 | 20X41A4250 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 50 | 20X41A4251 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 51 | 20X41A4252 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 52 | 20X41A4253 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 53 | 20X41A4254 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 54 | 20X41A4255 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 55 | 20X41A4256 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |

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HOD/Date 20/6/23

# SRK INSTITUTE OF TECHNOLOGY

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Accredited by NAAC with 'A' grade

Department of Computer Science and Engineering(AI & ML)

| S No | ROLL NO | Professional Elective- III | | | | Professional Elective- IV | | | | Professional Elective-V | | | | Open Elective-III | | Open Elective-IV | | Signature of Student |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RL | SC | CNS | BCT | RPA | CC | BDA | No SQL | SNA | RS | AICB | OOAD | Other Dept | API &MS | Other Dept | SCT | |
| 56 | 20X41A4257 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 57 | 20X41A4258 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 58 | 20X41A4259 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 59 | 20X41A4260 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 60 | 20X41A4261 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 61 | 20X41A4262 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 62 | 20X41A4263 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 63 | 20X41A4264 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 64 | 21X45A4201 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 65 | 21X45A4202 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 66 | 21X45A4203 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 67 | 21X45A4204 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 68 | 21X45A4205 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |
| 69 | 21X45A4206 | | | | ✓ | | ✓ | | | | | ✓ | | ✓ | | ✓ | | |

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HOD/Date 20/6/23

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**(ISO 9001:2015 Certified Institution)**
**Accredited by NAAC with 'A' grade**
**Department of Computer Science and Engineering**
**(Artificial Intelligence & Machine Learning)**

Date: 13/06/2023

## CIRCULAR

The following subjects are offered as elective subjects for IV/IV B.TECH, I Semester Computer Science and Engineering students for the academic year 2023-24 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Professional Elective-III, Professional Elective- IV, Professional Elective-V and Open Elective- III &IV** subjects among the options in the given proforma, on or before 17/06/2023. The syllabus copies are enclosed.

**Professional Elective-III**

1. Reinforcement Learning
2. Soft Computing
3. Cryptography and Network Security
4. Block Chain Technologies
5. Speech Processing

**Professional Elective-IV**

1. Robotic Process Automation
2. Cloud Computing
3. Big Data Analytics
4. NOSQL Databases
5. Video Analytics

**Professional Elective-V**

1. Social Network Analysis
2. Recommender Systems
3. AI Chat bots
4. Object Oriented Analysis and Design
5. Semantic Web

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**Open Elective-III**

Open Electives offered by other departments/ API and Micro services (Job Oriented Course)

**Open Elective-IV**

Open Electives offered by other departments/ Secure Coding Techniques (Job Oriented Course)

**Skill Oriented**

1. Machine Learning with Go (Infosys Spring Board)
2. MEAN Stack Technologies-Module IIAngular JS and MongoDB

**HOD / Date** 13/6/23

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
**KAKINADA – 533 003, Andhra Pradesh, India**

**DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

# COURSE STRUCTURE AND SYLLABUS

## For UG – R20

## B. Tech - COMPUTER SCIENCE AND ENGINEERING with Specialization

## Common to

**(i) CSE (ARTIFICIAL INTELLIGENCE and MACHINE LEARNING)-Branch Code:42**

**(ii) ARTIFICIAL INTELLIGENCE and MACHINE LEARNING - Branch Code: 61**

*(Applicable for batches admitted from 2020-2021)*

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
**KAKINADA - 533 003, Andhra Pradesh, India**

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
## KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

| III B. Tech – I Semester | | | | | | |
|---|---|---|---|---|---|---|
| **S.No** | **Course Code** | **Courses** | **Hours per week** | | | **Credits** |
| | | | **L** | **T** | **P** | **C** |
| 1 | PC | Compiler Design | 3 | 0 | 0 | 3 |
| 2 | PC | Operating Systems | 3 | 0 | 0 | 3 |
| 3 | PC | Machine Learning | 3 | 0 | 0 | 3 |
| 4 | Open Elective/Job Oriented | **Open Elective-I**<br>Open Electives offered by other departments/<br>Optimization in Operations Research(Job oriented course) | 3 | 0 | 0 | 3 |
| 5 | PE | **Professional Elective-I**<br>1. Software Engineering<br>2. Computer Vision<br>3. Data Visualization<br>4. DevOps<br>5. Machine Learning for Engineering and Science Applications (NPTEL) (https://nptel.ac.in/courses/106106198) | 3 | 0 | 0 | 3 |
| 6 | PC | Operating Systems & Compiler Design Lab | 0 | 0 | 3 | 1.5 |
| 7 | PC | Machine Learning Lab | 0 | 0 | 3 | 1.5 |
| 8 | SO | **Skill Oriented Course - III**<br>Continuous Integration and Continuous Delivery using DevOps | 0 | 0 | 4 | 2 |
| 9 | MC | Employability Skills-I | 2 | 0 | 0 | 0 |
| 10 | PR | **Summer Internship 2 Months (Mandatory) after second year(to be evaluated during V semester** | 0 | 0 | 0 | 1.5 |
| **Total credits** | | | | | | **21.5** |
| 11 | Minor | Machine Learning[$] | 3 | 0 | 2 | **4** |

$- Integrated Course

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**(ISO 9001:2015 Certified Institution)**
**Department of Computer Science and Engineering**
**(Artificial Intelligence & Machine Learning)**

Date: 18/07/2023

## CIRCULAR

This is to inform all the students of III/ IV B.TECH, I Semester, Computer Science and Engineering (AI & ML), that as per the options given by the students, the departmental academic committee decided to offer **DevOps** as a Professional Elective- I (R20 Syllabus), offered by parent department and **Optimization in Operations Research** subject as Open Elective- I (Inter Disciplinary) offered by Science and Humanities Department for the academic year 2023-24. Student roll lists for electives are enclosed.

HOD / Date 8/7/23

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**Department of Computer Science and Engineering (AI & ML)**

## LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-24 (R20)** **Year/ Semester: III/ I**

**Section-I**

| S No | ROLL NO | Professional Elective- I | | | | | Open Elective- I | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|
| | | SE | CV | DV | DevOps | ML | Other Dept | OOR | |
| 1 | 21X41A4201 | | | | A. Jakee l | | | A. Jakee l | A: Jakee l |
| 2 | 21X41A4202 | | | | A Chandu | | | A. Chandu | A. Chandu |
| 3 | 21X41A4203 | | | | A. Shivani | | | A. Shivani | A Shivani |
| 4 | 21X41A4204 | | | | A. Iswarya | | | A. Iswarya | A. Iswarya |
| 5 | 21X41A4205 | | | | B. Lakshmi | | | B. Lakshmi | B Lakshmi |
| 6 | 21X41A4206 | | | | — | | | — | — |
| 7 | 21X41A4207 | | | | B. gowtham | | | B. gowtham | B. gowtham |
| 8 | 21X41A4208 | | | | B. Kavya | | | B. Kavya | |
| 9 | 21X41A4209 | | | | — | | | — | — |
| 10 | 21X41A4210 | | | | B. B. Sathi | | | B. B. Sathi | B. B. Sathi |
| 11 | 21X41A4211 | | | | Ch. Teja | | | Ch. Teja | Ch. Teja |
| 12 | 21X41A4212 | | | | D. Rupa | | | D. Rupa | D. Rupa |
| 13 | 21X41A4213 | | | | D. Varshitha | | | D. Varshitha | D. Varshitha |
| 14 | 21X41A4214 | | | | G. V Murali | | | G. V Murali | G. V Murali |
| 15 | 21X41A4215 | | | | G. Ganesh | | | G. Ganesh | G. Ganesh |
| 16 | 21X41A4216 | | | | G. Dharma | | | G. Dharma Teja | G. Dharma Teja |
| 17 | 21X41A4217 | | | | G. syalini | | | G. syalini | G. syalini |

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| S No | ROLL NO | Professional Elective- I | | | | | Open Elective- I | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|
| | | SE | CV | DV | DevOps | ML | Other Dept | OOR | |
| 18 | 21X41A4218 | | | | G. chakravarthi | | | G. chakravarthi | G. chakravarthi |
| 19 | 21X41A4219 | | | | G. Aditya | | | G. Aditya | G. Aditya |
| 20 | 21X41A4220 | | | | J. Harshitha | | | J. Harshitha | J. Harshitha |
| 21 | 21X41A4221 | | | | J. Anil Kumar | | | J. Anil Kumar | J. Anil Kumar |
| 22 | 21X41A4222 | | | | J. Mahalakshmi | | | J. Mahalakshmi | J. Mahalakshmi |
| 23 | 21X41A4223 | | | | | | | | |
| 24 | 21X41A4224 | | | | K. Bhanu Teja | | | K. Bhanu Teja | K. Bhanu Teja |
| 25 | 21X41A4225 | | | | K. Pradeepthi | | | K. Pradeepthi | K. Pradeepthi |
| 26 | 21X41A4226 | | | | K. Sarika | | | K. Sarika | K. Sarika |
| 27 | 21X41A4227 | | | | K. Prudhvi | | | K. Prudhvi | K. Prudhvi |
| 28 | 21X41A4228 | | | | L. Rishi | | | L. Rishi | L. Rishi |
| 29 | 21X41A4229 | | | | L. Reshma | | | L. Reshma | L. Reshma |
| 30 | 21X41A4230 | | | | | | | | |
| 31 | 21X41A4231 | | | | M. Malleswari | | | M. Malleswari | M. Malleswari |
| 32 | 21X41A4232 | | | | M. S. Selva | | | M. S. Selva | M. S. Selva |
| 33 | 21X41A4233 | | | | | | | | |
| 34 | 21X41A4235 | | | | M. Meghana | | | M. Meghana | M. Meghana |
| 35 | 21X41A4236 | | | | [illegible] | | | [illegible] | [illegible] |
| 36 | 21X41A4237 | | | | [illegible] | | | [illegible] | |
| 37 | 21X41A4238 | | | | N. Swetha | | | N. Swetha | N. Swetha |

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**Department of Computer Science and Engineering (AI & ML)**

| S No | ROLL NO | Professional Elective- I | | | | | Open Elective- I | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|
| | | SE | CV | DV | DevOps | ML | Other Dept | OOR | |
| 38 | 21X41A4239 | | | | P. Manikanta | | | P. Manikanta | P. Manikanta |
| 39 | 21X41A4240 | | | | P. Purna | | | P. Purna | P. Purna |
| 40 | 21X41A4241 | | | | P. Mythily | | | P. Mythily | P. Mythily |
| 41 | 21X41A4242 | | | | P. Janardhan | | | P. Janardhan | P. Janardhan |
| 42 | 21X41A4244 | | | | P. Murali | | | P. Murali | P. Murali |
| 43 | 21X41A4245 | | | | R. Bhuvana | | | R. Bhuvana | R. Bhuvana |
| 44 | 21X41A4246 | | | | R. Srilakshmi | | | R. Sri Lakshmi | R. Sri Lakshmi |
| 45 | 21X41A4247 | | | | N. Renuka | | | N. Renuka | N. Renuka |
| 46 | 21X41A4248 | | | | S. Naga mani | | | S. Naga mani | S. Naga mani |
| 47 | 21X41A4249 | | | | Hanmu | | | Hanmu | Hanmu |
| 48 | 21X41A4250 | | | | - | | | - | |
| 49 | 21X41A4251 | | | | Kumar. | | | Kumar. | |
| 50 | 21X41A4252 | | | | S. Navya | | | S. Navya | S. Navya |
| 51 | 21X41A4253 | | | | S. Lahari | | | S. Lahari | S. Lahari |
| 52 | 21X41A4254 | | | | D. Swapna | | | D. Swapna | D. Swapna |
| 53 | 21X41A4255 | | | | S. Buvan | | | S. Buvan | S. Buvan |
| 54 | 21X41A4256 | | | | B. Sashank | | | B. Sashank | B. Sashank |
| 55 | 21X41A4257 | | | | V. Narendra Babu | | | V. Narendra Babu | V. Narendra Babu |
| 56 | 21X41A4258 | | | | Vaishu | | | Vaishu | Vaishu |
| 57 | 21X41A4259 | | | | V. K. pradeep kumar | | | V. K. pradeep kumar | V. Pradeep |

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**Department of Computer Science and Engineering (AI & ML)**

| S No | ROLL NO | Professional Elective- I | | | | | Open Elective- I | | Signature of the Student |
|---|---|---|---|---|---|---|---|---|---|
| | | SE | CV | DV | DevOps | ML | Other Dept | OOR | |
| 58 | 21X41A4260 | | | | V.Rao | | | V.Rao | V.Rao |
| 59 | 22X45A4201 | | | | B.Syam Sunder | | | B.Syam Sunder | B. Syam Sunder |
| 60 | 22X45A4202 | | | | Ch. Karthik | | | Ch. Karthik | Ch. Karthik |
| 61 | 22X45A4203 | | | | Ithaya | | | Ithaya | Ithaya |
| 62 | 22X45A4204 | | | | Ganesh | | | Ganesh | Ganesh |
| 63 | 22X45A4206 | | | | Riyaz baig | | | Riyaz baig | Riyaz baig |
| 64 | 22X45A4207 | | | | Sk. Lal Ahmad | | | Sk. Lal Ahmad | Sk. Lal Ahmad |
| 65 | 22X45A4208 | | | | K.K.S.Lakshmi | | | K.K.S.Lakshmi | K.K.S. Lakshmi |
| 66 | 22X45A4209 | | | | SK.M.Basha | | | SK.M.Basha | SK.M. Basha |
| 67 | 22X45A4210 | | | | Sameer | | | Sameer | Sameer |

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HOD / Date 18/3/23

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**(ISO 9001:2015 Certified Institution)**
**Department of Computer Science and Engineering**
**(Artificial Intelligence & Machine Learning)**

Date: 11/07/2023

## CIRCULAR

The following subjects are offered as elective subjects for III/IV B.TECH, I Semester Computer Science and Engineering (AI & ML) students for the academic year 2023-24 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Open Elective- I (Inter Disciplinary)**, **Professional Elective-I** subjects among the options in the given proforma, on or before 16/07/2023. The syllabus copies are enclosed.

**Professional Elective- I**

1. Software Engineering
2. Computer Vision
3. Data Visualization
4. DevOps
5. Machine Learning for Engineering and Science Applications

**Open Elective- I**

Open Electives offered by other departments / Optimization in Operations Research

11/7/23

**HOD / Date**

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF INFORMATION TECHNOLOGY

**III B. Tech – II Semester**

| S.No | Course Code | Courses | Hours per week | | | Credits |
|---|---|---|---|---|---|---|
| | | | L | T | P | C |
| 1 | PC | Machine Learning | 3 | 0 | 0 | 3 |
| 2 | PC | Big Data Analytics | 3 | 0 | 0 | 3 |
| 3 | PC | Cryptography and Network Security | 3 | 0 | 0 | 3 |
| 4 | PE | **Professional Elective-II**<br>1.Mobile Computing<br>2.MEAN Stack Development<br>3. Design Patterns<br>4.Scripting Languages | 3 | 0 | 0 | 3 |
| 5 | Open Elective/ Job Oriented | **Open Elective-II**<br>Open Electives offered by other departments | 3 | 0 | 0 | 3 |
| 6 | PC | Big Data Analytics lab | 0 | 0 | 3 | 1.5 |
| 7 | PC | Machine Learning using Python Lab | 0 | 0 | 3 | 1.5 |
| 8 | PC | Cryptography and Network Security Lab | 0 | 0 | 3 | 1.5 |
| 9 | SO | **Skill Oriented Course - IV**<br>1.Data Science: Natural Language Processing OR<br>2.Video Analytics | 0 | 0 | 4 | 2 |
| 10 | MC3201 | Employability skills-II | 2 | 0 | 0 | 0 |
| | | **Total credits** | | | | 21.5 |
| | | **Industrial/Research Internship(Mandatory) 2 Months during summer vacation** | | | | |
| 11 | Minor | Data Structures and Algorithms$ | 3 | 0 | 2 | 3+1 |
| 12 | Honors | Any course from the Pool, as per the opted track | 4 | 0 | 0 | 4 |
| | | **Minor course through SWAYAM** | - | - | - | 2 |

$- Integrated Course

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Department of Information Technology

# CIRCULAR FOR PROFESSIONAL ELECTIVE-II

**Date**: 23/11/2023

The following subjects are offered as an **Professional Elective-II** for III/IV B.Tech, Information Technology students for the academic year **2023-2024**, II Semester. Hence all the students are instructed to choose a professional elective-II subject among the options in the given format, on or before 28/11/2023. The details of the syllabus are enclosed.

**Professional Elective-II**

1. Mobile Computing
2. MEAN Stack Development
3. Design Patterns
4. Scripting Languages

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# CIRCULAR

Date: 30/11/2023

This is to inform all the students of III/IV B.Tech, Information Technology, as per decision of the departmental academic committee, the **Design Patterns** subject offered as a Professional Elective-II for the academic year 2023-2024, II Semester.

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## LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2023-2024 Year/Semester : III/II

| S No | Roll No | Professional Elective-II | | | | Student Signature |
|---|---|---|---|---|---|---|
| | | Mobile Computing | MEAN Stack Development | Design Patterns | Scripting Languages | |
| 1 | 21X41A1201 | | | ✓ | | A Keerthi |
| 2 | 21X41A1202 | | | ✓ | | K.V.S. Krishna |
| 3 | 21X41A1203 | | | ✓ | | A. Surya |
| 4 | 21X41A1204 | | | ✓ | | K. Sathwarthi |
| 5 | 21X41A1205 | | | ✓ | | D. Rani |
| 6 | 21X41A1206 | | | ✓ | | T. Veeru |
| 7 | 21X41A1208 | | | ✓ | | B Vaishnavi |
| 8 | 21X41A1210 | | | ✓ | | Ch. Gopika |
| 9 | 21X41A1211 | ✓ | | | | ch. Gopi priya |
| 10 | 21X41A1212 | | | ✓ | | ch. Priyanka |
| 11 | 21X41A1213 | ✓ | | | | ch. Priyanka |
| 12 | 21X41A1214 | | | ✓ | | Jai |
| 13 | 21X41A1215 | | | ✓ | | D. Teja |
| 14 | 21X41A1216 | ✓ | | | | Lakshmi |
| 15 | 21X41A1217 | | | ✓ | | E. Divya |
| 16 | 21X41A1218 | | | ✓ | | G. Naresh |
| 17 | 21X41A1219 | | | ✓ | | B. pragna |
| 18 | 21X41A1220 | | | ✓ | | G. Abhilash |
| 19 | 21X41A1221 | | | ✓ | | I. Akhilesh |
| 20 | 21X41A1222 | | | ✓ | | J. mahesh |
| 21 | 21X41A1223 | | | ✓ | | J. Vijaya Prasad |
| 22 | 21X41A1224 | | | ✓ | | K. Prasanna |
| 23 | 21X41A1225 | | | ✓ | | K. Shashi |
| 24 | 21X41A1226 | | | ✓ | | K. Shashank |
| 25 | 21X41A1227 | | | ✓ | | K. Sai Kumar |
| 26 | 21X41A1228 | ✓ | | | | K. Praveen |
| 27 | 21X41A1229 | | | ✓ | | K. Geethika |
| 28 | 21X41A1230 | | | ✓ | | Bhanu |
| 29 | 21X41A1231 | ✓ | | | | Vamsi |
| 30 | 21X41A1232 | | | ✓ | | P. Pujitha |
| 31 | 21X41A1233 | | | ✓ | | M. Mahi |

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| S No | Roll No | Professional Elective-II | | | | Student Signature |
|---|---|---|---|---|---|---|
| | | Mobile Computing | MEAN Stack Development | Design Patterns | Scripting Languages | |
| 32 | 21X41A1234 | | | ✓ | | V. Yaswanth |
| 33 | 21X41A1235 | | | ✓ | | K. Ranganadh |
| 34 | 21X41A1236 | | | ✓ | | [illegible] |
| 35 | 21X41A1237 | | | ✓ | | M. Rishi |
| 36 | 21X41A1238 | | | ✓ | | [illegible] |
| 37 | 21X41A1239 | | | ✓ | | MD. Allabakshi |
| 38 | 21X41A1240 | | | ✓ | | MD. Kausar |
| 39 | 21X41A1241 | | | ✓ | | M. Divyasri |
| 40 | 21X41A1242 | | | ✓ | | [illegible] |
| 41 | 21X41A1243 | ✓ | | | | N. Vijayalakshmi |
| 42 | 21X41A1244 | ✓ | | | | P. Siva |
| 43 | 21X41A1245 | | | ✓ | | |
| 44 | 21X41A1246 | | | ✓ | | P. Ganesh Kumar |
| 45 | 21X41A1247 | | | ✓ | | P. Sujith |
| 46 | 21X41A1248 | | | ✓ | | P. Harika |
| 47 | 21X41A1249 | | | ✓ | | R. Lavanya |
| 48 | 21X41A1250 | | | ✓ | | — |
| 49 | 21X41A1251 | ✓ | | | | R. Bhargav |
| 50 | 21X41A1252 | | | ✓ | | [illegible] |
| 51 | 21X41A1253 | | | ✓ | | [illegible] |
| 52 | 21X41A1254 | | | ✓ | | [illegible] |
| 53 | 21X41A1255 | | | ✓ | | G. Dhruva Kou |
| 54 | 21X41A1256 | | | ✓ | | S. Vyshnavi |
| 55 | 21X41A1257 | | | ✓ | | [illegible] |
| 56 | 21X41A1258 | | | ✓ | | V. Saranya |
| 57 | 21X41A1259 | | | ✓ | | U. Hahigh |
| 58 | 21X41A1260 | | | ✓ | | V. Saranya |
| 59 | 21X41A1261 | | | ✓ | | Y. Mahesh |
| 60 | 21X41A1262 | | | ✓ | | Y. Chowdary |
| 61 | 21X41A1263 | ✓ | | | | A. Saranika |
| 62 | 21X41A1264 | | | ✓ | | K. Pavan |
| 63 | 22X45A1201 | | | ✓ | | K. Pallavi |
| 64 | 22X45A1202 | | | ✓ | | [illegible] |
| 65 | 22X45A1203 | ✓ | | | | [illegible] |
| 66 | 22X45A1205 | | | ✓ | | [illegible] |
| 67 | 22X45A1206 | | | ✓ | | [illegible] |

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# CIRCULAR FOR OPEN ELECTIVE-II

Date: 23/11/2023

The following subjects are offered as an open elective-II for III/IV B.Tech. Information Technology students for the academic year **2023-2024**, II Semester. Hence all the students are *instructed to choose an open elective-II subject among the options in the given format, on or* before 28/11/2023. The details of the syllabus are enclosed.

**Open Elective –II**

1. Disaster management
2. Industrial robotics
3. Advanced materials
4. Indian electricity Act

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# CIRCULAR

Date: 30/11/2023

This is to inform all the students of III/IV B.Tech, Information Technology, as per decision of the departmental academic committee, the **Disaster management subject** offered as an open elective-II for the academic year 2023-2024, II Semester.

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## LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2023-2024

Year/Semester: III/II

| S No | Roll No | Open Elective-II | | | | Student Signature |
|---|---|---|---|---|---|---|
| | | Disaster management | Industrial robotics | Advanced materials | Indian electricity Act | |
| 1 | 21X41A1201 | ✓ | | | | |
| 2 | 21X41A1202 | ✓ | | | | |
| 3 | 21X41A1203 | | ✓ | | | |
| 4 | 21X41A1204 | ✓ | | | | |
| 5 | 21X41A1205 | | | | | |
| 6 | 21X41A1206 | | | | | |
| 7 | 21X41A1208 | | | | | |
| 8 | 21X41A1210 | | | ✓ | | |
| 9 | 21X41A1211 | | | | | |
| 10 | 21X41A1212 | ✓ | | | | |
| 11 | 21X41A1213 | ✓ | | | | |
| 12 | 21X41A1214 | ✓ | | | | |
| 13 | 21X41A1215 | ✓ | | | | |
| 14 | 21X41A1216 | | ✓ | | | |
| 15 | 21X41A1217 | ✓ | | | | |
| 16 | 21X41A1218 | ✓ | | | | |
| 17 | 21X41A1219 | ✓ | | | | |
| 18 | 21X41A1220 | ✓ | | | | |
| 19 | 21X41A1221 | ✓ | | | | |
| 20 | 21X41A1222 | ✓ | | | | |
| 21 | 21X41A1223 | ✓ | | | | |
| 22 | 21X41A1224 | | | ✓ | | |
| 23 | 21X41A1225 | ✓ | | | | |
| 24 | 21X41A1226 | ✓ | | | | |
| 25 | 21X41A1227 | ✓ | | | | |
| 26 | 21X41A1228 | ✓ | | | | |
| 27 | 21X41A1229 | | ✓ | | | |
| 28 | 21X41A1230 | ✓ | | | | |
| 29 | 21X41A1231 | ✓ | | | | |
| 30 | 21X41A1232 | ✓ | | ✓ | | |
| 31 | 21X41A1233 | ✓ | | | | |

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| S No | Roll No | Open Elective-II | | | | Student Signature |
|---|---|---|---|---|---|---|
| | | Disaster management | Industrial robotics | Advanced materials | Indian electricity Act | |
| 32 | 21X41A1234 | ✓ | | | | |
| 33 | 21X41A1235 | ✓ | | | | |
| 34 | 21X41A1236 | ✓ | | | | |
| 35 | 21X41A1237 | ✓ | | | | |
| 36 | 21X41A1238 | ✓ | | | | |
| 37 | 21X41A1239 | | ✓ | | | |
| 38 | 21X41A1240 | ✓ | | | | |
| 39 | 21X41A1241 | ✓ | | | | |
| 40 | 21X41A1242 | ✓ | | | | |
| 41 | 21X41A1243 | ✓ | | | | |
| 42 | 21X41A1244 | ✓ | ✓ | | | |
| 43 | 21X41A1245 | ✓ | | | | |
| 44 | 21X41A1246 | ✓ | | | | |
| 45 | 21X41A1247 | ✓ | | | | |
| 46 | 21X41A1248 | ✓ | | | | |
| 47 | 21X41A1249 | ✓ | | | | |
| 48 | 21X41A1250 | | | | | |
| 49 | 21X41A1251 | | | | | |
| 50 | 21X41A1252 | | | | | |
| 51 | 21X41A1253 | ✓ | | | | |
| 52 | 21X41A1254 | | | | | |
| 53 | 21X41A1255 | | | | | |
| 54 | 21X41A1256 | | | | | |
| 55 | 21X41A1257 | ✓ | | | | |
| 56 | 21X41A1258 | ✓ | | | | |
| 57 | 21X41A1259 | ✓ | | | | |
| 58 | 21X41A1260 | ✓ | | | | |
| 59 | 21X41A1261 | ✓ | | | | |
| 60 | 21X41A1262 | ✓ | | | | |
| 61 | 21X41A1263 | ✓ | | | | |
| 62 | 21X41A1264 | ✓ | | | | |
| 63 | 22X45A1201 | ✓ | | | | |
| 64 | 22X45A1202 | ✓ | | | | |
| 65 | 22X45A1203 | ✓ | | | | |
| 66 | 22X45A1205 | ✓ | | | | |
| 67 | 22X45A1206 | | ✓ | | | |

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KAKINADA – 533 003. Andhra Pradesh, India

## DEPARTMENT OF INFORMATION TECHNOLOGY

IV B. Tech –I Semester

| S.No | Course Code | Course Title | Hours per week | | | Credits |
|---|---|---|---|---|---|---|
| | | | L | T | P | C |
| 1 | PE | Professional Elective-III<br>1.Cloud Computing<br>2. Artificial Neural Networks<br>3. Internet of Things (IoT)<br>4.Cyber Security & Forensics | 3 | 0 | 0 | 3 |
| 2 | PE | Professional Elective-IV<br>1. Deep Learning Techniques<br>2. Social Networks Analysis<br>3. Advanced Databases<br>4.MOOCS-NPTEL/SWAYAM | 3 | 0 | 0 | 3 |
| 3 | PE | Professional Elective-V<br>1.Block-Chain Technologies<br>2.M-Commerce<br>3.Ethical Hacking<br>4.MOOCS-NPTEL/SWAYAM | 3 | 0 | 0 | 3 |
| 4 | Open Elective /Job Oriented | Open Elective-III<br>Open Electives offered by other departments | 2 | 0 | 2 | 3 |
| 5 | Open Elective /Job Oriented | Open Elective-IV<br>Open Electives offered by other departments | 2 | 0 | 2 | 3 |
| 6 | HS | Universal Human Values 2: Understanding Harmony | 3 | 0 | 0 | 3 |
| 7 | SO | PYTHON: Deep Learning **OR**<br>Secure Coding Techniques **OR**<br>APSSDC offered Courses | 0 | 0 | 4 | 2 |
| 8 | PR | **Industrial/Research Internship 2 months (Mandatory) after third year (to be evaluated during VII semester** | 0 | 0 | 0 | 3 |
| | | | | | Total credits | 23 |
| 11 | Minor | Software Engineering$ / any other from PART-B (For Minor) | 3 | 0 | 2 | 3+1 |
| 12 | Honors | Any course from the Pool, as per the opted track | 4 | 0 | 0 | 4 |
| | | **Minor course through SWAYAM** | - | - | - | 2 |

$- Integrated Course

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## IV/IV B.TECH – I SEMESTER

## CIRCULAR FOR PROFESSIONAL ELECTIVE-III

**Date**: 8/5/2023

The following subjects are offered as an professional elective-III for IV/IV B.TECH, Information Technology students for the academic year **2023-2024**, I Semester. Hence all the students are instructed to choose an professional elective-III subject among the options in the given format, on or before 12/5/2023. The details of the syllabus are enclosed.

**Professional Elective –III**

1. Cloud Computing
2. Artificial Neural Networks
3. Internet of Things (IoT)
4. Cyber Security & Forensics

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IV/IV B.TECH – I SEMESTER

CIRCULAR

Date: 16/5/2023

This is to inform all the students of IV/IV B.TECH, Information Technology, as per decision of the departmental academic committee, the **Cloud computing subject** offered as a professional elective-III for the academic year 2023-2024, I Semester.

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## LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2023-2024 Year/Semester: IV/I

| S No | Roll No | Professional Elective-III | | | | Student Signature |
|---|---|---|---|---|---|---|
| | | Cloud Computing | Artificial Neural Networks | Internet of Things (IoT) | Cyber Security & Forensics | |
| 1 | 20X41A1201 | ✓ | | | | A. Vagesh |
| 2 | 20X41A1202 | ✓ | | | | B. V. Reddy |
| 3 | 20X41A1203 | ✓ | | | | Nivitha |
| 4 | 20X41A1204 | | ✓ | | | C. Acharya |
| 5 | 20X41A1205 | ✓ | | | | Raghava |
| 6 | 20X41A1206 | ✓ | | | | Swapna |
| 7 | 20X41A1207 | | ✓ | | | Ch. Harish |
| 8 | 20X41A1208 | ✓ | | | | Ch. Pujitha |
| 9 | 20X41A1209 | ✓ | | | | E. Bhavana |
| 10 | 20X41A1210 | ✓ | | | | G. Abhinaya |
| 11 | 20X41A1211 | ✓ | | | | G. Hindu |
| 12 | 20X41A1212 | ✓ | | | | G. Susendra |
| 13 | 20X41A1213 | ✓ | | | | J. Sarva |
| 14 | 20X41A1214 | ✓ | | | | J Mohan |
| 15 | 20X41A1215 | ✓ | | | | Hemanth |
| 16 | 20X41A1216 | ✓ | | | | K. Vamsi |
| 17 | 20X41A1217 | ✓ | | | | K. Siddhardha |
| 18 | 20X41A1218 | ✓ | | | | K. Meghana |
| 19 | 20X41A1220 | ✓ | | | | Keerthi |
| 20 | 20X41A1221 | ✓ | | | | K. Sivasai |
| 21 | 20X41A1222 | ✓ | | | | M. Nagatharun |
| 22 | 20X41A1223 | ✓ | | | | Jaswanth |
| 23 | 20X41A1224 | ✓ | | | | M. Jaswanth |
| 24 | 20X41A1225 | ✓ | | | | M. Mohammad |
| 25 | 20X41A1226 | ✓ | | | | Shaik |
| 26 | 20X41A1227 | | ✓ | | | Tanmayi |
| 27 | 20X41A1228 | ✓ | | | | N. Akash |
| 28 | 20X41A1229 | ✓ | | | | Pannaga |
| 29 | 20X41A1230 | ✓ | | | | Nagesh |
| 30 | 20X41A1231 | | ✓ | | | Reshma |
| 31 | 20X41A1232 | ✓ | | | | N. Rejhma |
| 32 | 20X41A1233 | ✓ | | | | N. Anudeep |
| 33 | 20X41A1234 | ✓ | | | | N. Lokesh |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 34 | 20X41A1235 | ✓ | | | | P. kasim |
| 35 | 20X41A1236 | ✓ | | | | Swathi |
| 36 | 20X41A1237 | ✓ | | | | P.S. babu |
| 37 | 20X41A1239 | ✓ | | | | P. Swathi |
| 38 | 20X41A1240 | | ✓ | | | [illegible] |
| 39 | 20X41A1241 | ✓ | | | | R. Bhagavi |
| 40 | 20X41A1242 | ✓ | | | | R. Bhavya |
| 41 | 20X41A1243 | ✓ | | | | R. Sravantham |
| 42 | 20X41A1244 | | ✓ | | | R Sivasankar |
| 43 | 20X41A1245 | ✓ | | | | R. Rama Bhashav |
| 44 | 20X41A1246 | ✓ | | | | R. Siva |
| 45 | 20X41A1247 | ✓ | | | | R. Deekshitha |
| 46 | 20X41A1248 | ✓ | | | | R. Pankuraj |
| 47 | 20X41A1249 | | ✓ | | | Sk Karibasha |
| 48 | 20X41A1250 | | | ✓ | | S. Madhubee |
| 49 | 20X41A1251 | ✓ | | | | Sh. Rumana |
| 50 | 20X41A1252 | ✓ | | | | [illegible] |
| 51 | 20X41A1253 | ✓ | | | | T. Tejasvi |
| 52 | 20X41A1254 | ✓ | | | | T. Sivanarayana |
| 53 | 20X41A1255 | ✓ | | | | V. Rani |
| 54 | 20X41A1256 | ✓ | | | | V. Kanikeeath |
| 55 | 20X41A1257 | ✓ | | | | Y. Sreeja |
| 56 | 20X41A1258 | ✓ | | | | V. Kanikeeth |
| 57 | 20X41A1259 | ✓ | | | | Y. Sreeja |
| 58 | 20X41A1260 | ✓ | | | | B. Saketh |
| 59 | 20X41A1262 | | ✓ | | | K. Srinivasa |
| 60 | 21X45A1201 | ✓ | | | | B. Rama |
| 61 | 21X45A1202 | ✓ | | | | Ch. Tarun |
| 62 | 21X45A1203 | ✓ | | | | Ch. Manu |
| 63 | 21X45A1204 | ✓ | | | | M. Tarun |
| 64 | 21X45A1205 | ✓ | | | | M. Rakesh |
| 65 | 21X45A1206 | | ✓ | | | M. Sai |
| 66 | 21X45A1207 | ✓ | | | | Rajitha |
| 67 | 21X45A1208 | ✓ | | | | Pavani |

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## IV/IV B.TECH – I SEMESTER

## CIRCULAR FOR PROFESSIONAL ELECTIVE-IV

Date: 8/5/2023

The following subjects are offered as an professional elective-IV for IV/IV B.TECH, Information Technology students for the academic year **2023-2024**, I Semester. Hence all the students are instructed to choose an professional elective-IV subject among the options in the given format, on or before 12/5/2023. The details of the syllabus are enclosed.

**Professional Elective –IV**

1. Deep Learning Techniques
2. Social Networks Analysis
3. Advanced Databases
4. MOOCS-NPTEL/SWAYAM

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IV/IV B.TECH – I SEMESTER

CIRCULAR

Date: 16/5/2023

This is to inform all the students of IV/IV B.TECH, Information Technology, as per decision of the departmental academic committee, the **Advanced Databases subject** offered as a professional elective-IV for the academic year 2023-2024, I Semester.

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## LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2023-2024

Year/Semester: IV/I

| S No | Roll No | Professional Elective-IV | | | | Student Signature |
|---|---|---|---|---|---|---|
| | | Deep Learning Techniques | Social Networks Analysis | Advanced Databases | MOOCS-NPTEL/SWAYAM | |
| 1 | 20X41A1201 | | | | | |
| 2 | 20X41A1202 | | | ✓ | | A.Vagesh |
| 3 | 20X41A1203 | | | ✓ | | B. V. Reddy |
| 4 | 20X41A1204 | | | ✓ | | Nikitha |
| 5 | 20X41A1205 | | | ✓ | | C. Archana |
| 6 | 20X41A1206 | | | ✓ | | Malati |
| 7 | 20X41A1207 | | | ✓ | | Swapna |
| 8 | 20X41A1208 | | | ✓ | | chitharish |
| 9 | 20X41A1209 | ✓ | | ✓ | | ch. Pujitha |
| 10 | 20X41A1210 | | | | | E. Bhavana |
| 11 | 20X41A1211 | | | ✓ | | G. Abiraya |
| 12 | 20X41A1212 | ✓ | | ✓ | | G. Hindu |
| 13 | 20X41A1213 | | | | | G. Surendra |
| 14 | 20X41A1214 | | | ✓ | | J. Sarva |
| 15 | 20X41A1215 | | | ✓ | | J. Hemanth |
| 16 | 20X41A1216 | | | ✓ | | Hemanth |
| 17 | 20X41A1217 | | | ✓ | | Vani S |
| 18 | 20X41A1218 | ✓ | | ✓ | | Megha |
| 19 | 20X41A1220 | | | | | K. Meghana |
| 20 | 20X41A1221 | | | ✓ | | Keerthi |
| 21 | 20X41A1222 | | | ✓ | | K Siva Sai |
| 22 | 20X41A1223 | | | ✓ | | M Nagatarun |
| 23 | 20X41A1224 | | | ✓ | | Jaswanth |
| 24 | 20X41A1225 | | | ✓ | | M. Jaswanth |
| 25 | 20X41A1226 | | | ✓ | | M. Begum |
| 26 | 20X41A1227 | ✓ | | ✓ | | |
| 27 | 20X41A1228 | | | | | Thanuja |
| 28 | 20X41A1229 | | | ✓ | | N. Akash |
| 29 | 20X41A1230 | | | ✓ | | Pavan Sai |
| 30 | 20X41A1231 | | | ✓ | | Palaluvili |
| 31 | 20X41A1232 | | | ✓ | | Nagaraju |
| 32 | 20X41A1233 | | | ✓ | | N. Rama |
| 33 | 20X41A1234 | | | ✓ | | M. Sandeep |
| 34 | | | | ✓ | | |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 35 | 20X41A1236 | | | ✓ | | | Swathi |
| 36 | 20X41A1237 | | | ✓ | | | P.S. babu |
| 37 | 20X41A1239 | | | ✓ | | | R Sarath |
| 38 | 20X41A1240 | | ✓ | | | | R. gautham |
| 39 | 20X41A1241 | | | ✓ | | | R. Bhargav |
| 40 | 20X41A1242 | | | ✓ | | | R. Gautham |
| 41 | 20X41A1243 | | | ✓ | | | R. Sivasankar |
| 42 | 20X41A1244 | | | ✓ | | | R. Rama Bhaskar |
| 43 | 20X41A1245 | | ✓ | | | | R. Siva |
| 44 | 20X41A1246 | | | ✓ | | | R. Deekshitha |
| 45 | 20X41A1247 | | | ✓ | | | R. Ramkumar |
| 46 | 20X41A1248 | | | | | | S. Chandrayya |
| 47 | 20X41A1249 | ✓ | | | | | S. Madhav Rao |
| 48 | 20X41A1250 | | | ✓ | | | S. Rumana |
| 49 | 20X41A1251 | | | ✓ | | | Sameer |
| 50 | 20X41A1252 | | | ✓ | | | T. Tejaswi |
| 51 | 20X41A1253 | | | ✓ | | | T. Sivanarayana |
| 52 | 20X41A1254 | | | ✓ | | | V. Reddy |
| 53 | 20X41A1255 | | | ✓ | | | V. Durga |
| 54 | 20X41A1256 | | | ✓ | | | V. Naga Sree |
| 55 | 20X41A1257 | | | ✓ | | | V. Kanaka Durga |
| 56 | 20X41A1258 | | | ✓ | | | Y. Sreeja |
| 57 | 20X41A1259 | | | | | | S. Sakath |
| 58 | 20X41A1260 | ✓ | | | | | K. Rao |
| 59 | 20X41A1262 | | | ✓ | | | B. Ranakesh |
| 60 | 21X45A1201 | | | ✓ | | | Ch. Tarun |
| 61 | 21X45A1202 | | | ✓ | | | Ch. Hanu |
| 62 | 21X45A1203 | | | ✓ | | | M. Tarun |
| 63 | 21X45A1204 | | | ✓ | | | M. Peter |
| 64 | 21X45A1205 | | | ✓ | | | M. Sai |
| 65 | 21X45A1206 | | | ✓ | | | P. Shaji |
| 66 | 21X45A1207 | | | ✓ | | | Ravi |
| 67 | 21X45A1208 | | | | | | |

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## IV/IV B.TECH – I SEMESTER

## CIRCULAR FOR PROFESSIONAL ELECTIVE-V

Date: 8/5/2023

The following subjects are offered as an professional elective-V for IV/IV B.TECH, Information Technology students for the academic year **2023-2024**, I Semester. Hence all the students are instructed to choose an professional elective-V subject among the options in the given format, on or before 12/5/2023. The details of the syllabus are enclosed.

**Professional Elective –V**

1. Block-Chain Technologies
2. M-Commerce
3. Ethical Hacking
4. MOOCS-NPTEL/SWAYAM

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IV/IV B.TECH – I SEMESTER

CIRCULAR

Date: 16/5/2023

This is to inform all the students of IV/IV B.TECH, Information Technology, as per decision of the departmental academic committee, the **M-Commerce subject** offered as a professional elective-V for the academic year 2023-2024, I Semester.

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## LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2023-2024 Year/Semester: IV/I

| S No | Roll No | Professional Elective-V | | | | Student Signature |
|---|---|---|---|---|---|---|
| | | Block-Chain Technologies | M-Commerce | Ethical Hacking | MOOCS-NPTEL/SWAYAM | |
| 1 | 20X41A1201 | | ✓ | | | A. Vagesh |
| 2 | 20X41A1202 | | ✓ | | | B. V. Reddy |
| 3 | 20X41A1203 | | ✓ | | | Nikotha |
| 4 | 20X41A1204 | | ✓ | | | C. Aishwarya |
| 5 | 20X41A1205 | | ✓ | | | Raja |
| 6 | 20X41A1206 | | ✓ | | | Swapno |
| 7 | 20X41A1207 | | ✓ | | | ch. Harish |
| 8 | 20X41A1208 | | ✓ | | | ch. pujitha |
| 9 | 20X41A1209 | | ✓ | | | E. Bhavana |
| 10 | 20X41A1210 | | ✓ | | | G. Abiram |
| 11 | 20X41A1211 | | ✓ | | | G. Hindu |
| 12 | 20X41A1212 | | ✓ | | | G. Surendra |
| 13 | 20X41A1213 | | ✓ | | | J. Sarasa |
| 14 | 20X41A1214 | | ✓ | | | J. Mahesh |
| 15 | 20X41A1215 | | ✓ | | | Hemanth |
| 16 | 20X41A1216 | | ✓ | | | K. Keerthana |
| 17 | 20X41A1217 | | ✓ | | | K. Siddhardha |
| 18 | 20X41A1218 | | ✓ | | | K. meghana |
| 19 | 20X41A1220 | | ✓ | | | Keerthi |
| 20 | 20X41A1221 | | ✓ | | | K. SivaSai |
| 21 | 20X41A1222 | ✓ | | | | M. Nagatarun |
| 22 | 20X41A1223 | | ✓ | | | Jaswanth |
| 23 | 20X41A1224 | | ✓ | | | M. Jaswanth |
| 24 | 20X41A1225 | | ✓ | | | M. Mahammad |
| 25 | 20X41A1226 | | ✓ | | | Sanjay |
| 26 | 20X41A1227 | | | | | M. Tejaswi |
| 27 | 20X41A1228 | ✓ | ✓ | | | N. Akash |
| 28 | 20X41A1229 | | ✓ | | | Pannaga Sai |
| 29 | 20X41A1230 | | ✓ | | | Shruthi |
| 30 | 20X41A1231 | ✓ | | | | Reshma |
| 31 | 20X41A1232 | | ✓ | | | N. Reshma |
| 32 | 20X41A1233 | | ✓ | | | N. Sandeep |
| 33 | 20X41A1234 | | ✓ | | | N. Lokesh |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 35 | 20X41A1236 | | ✓ | | | Swathi |
| 36 | 20X41A1237 | | ✓ | | | P.S. Babu |
| 37 | 20X41A1239 | | ✓ | | | P. Swathi |
| 38 | 20X41A1240 | | ✓ | | | P. Jayasree |
| 39 | 20X41A1241 | | ✓ | | | P. ga... |
| 40 | 20X41A1242 | | ✓ | | | P Bhavana |
| 41 | 20X41A1243 | | ✓ | | | R. Sravan... |
| 42 | 20X41A1244 | ✓ | | | | R Sivasankar |
| 43 | 20X41A1245 | | ✓ | | | P. Rama Bhargav |
| 44 | 20X41A1246 | ✓ | | | | R. Siva |
| 45 | 20X41A1247 | | ✓ | | | P. Keerthi... |
| 46 | 20X41A1248 | | ✓ | | | R. Ram |
| 47 | 20X41A1249 | | ✓ | | | S Chandana |
| 48 | 20X41A1250 | | ✓ | | | S Madhavi... |
| 49 | 20X41A1251 | | ✓ | | | S. Poojitha |
| 50 | 20X41A1252 | | ✓ | | | [illegible] |
| 51 | 20X41A1253 | | ✓ | | | T. Tejasvi |
| 52 | 20X41A1254 | | ✓ | | | D. Sivanagapra... |
| 53 | 20X41A1255 | | ✓ | | | V. Hakash |
| 54 | 20X41A1256 | | ✓ | | | V. Pavan... |
| 55 | 20X41A1257 | | ✓ | | | V. Rani Kavitha |
| 56 | 20X41A1258 | | ✓ | | | Y. Sreeja |
| 57 | 20X41A1259 | | ✓ | | | Y. Sreeja |
| 58 | 20X41A1260 | | ✓ | | | K. Rao |
| 59 | 20X41A1262 | | ✓ | | | B. Ramakrishna |
| 60 | 21X45A1201 | | ✓ | | | Ch. Sai... |
| 61 | 21X45A1202 | | ✓ | | | K. Sowmya |
| 62 | 21X45A1203 | | ✓ | | | Ch. Manikanta |
| 63 | 21X45A1204 | ✓ | | | | H. Tarun |
| 64 | 21X45A1205 | | ✓ | | | M. Peter... |
| 65 | 21X45A1206 | ✓ | | | | M. Venkatesai |
| 66 | 21X45A1207 | | ✓ | | | P. Bhaji |
| 67 | 21X45A1208 | | ✓ | | | Pavani |

HOD/Date

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## IV/IV B.TECH – I SEMESTER

## CIRCULAR FOR OPEN ELECTIVE-III

**Date**: 8/5/2023

The following subjects are offered as an open elective-III for IV/IV B.TECH, Information Technology students for the academic year **2023-2024**, I Semester. Hence all the students are instructed to choose an open elective-III subject among the options in the given format, on or before 12/5/2023. The details of the syllabus are enclosed.

**Open Elective –III**

1. Fundamentals of Electric Vehicle.
2. Concepts of Microprocessors and microcontrollers.
3. Concepts of Internet of Things.

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IV/IV B.TECH – I SEMESTER

CIRCULAR

Date: 16/5/2023

This is to inform all the students of IV/IV B.TECH, Information Technology, as per decision of the departmental academic committee, the **FEV subject** offered as an open elective-III for the academic year 2023-2024, I Semester.

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## LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2023-2024

Year/Semester: IV/I

| S No | Roll No | Open Elective-III | | | Student Signature |
|---|---|---|---|---|---|
| | | Fundamentals of Electric Vehicle | Concepts of Microprocessors and microcontrollers | Concepts of Internet of Things | |
| 1 | 20X41A1201 | ✓ | | | |
| 2 | 20X41A1202 | ✓ | | | A.Nagesh |
| 3 | 20X41A1203 | | ✓ | | t.v.reddy |
| 4 | 20X41A1204 | ✓ | | | Nikitha |
| 5 | 20X41A1205 | ✓ | | | C Aishwarya |
| 6 | 20X41A1206 | ✓ | | | |
| 7 | 20X41A1207 | ✓ | | | Swapna |
| 8 | 20X41A1208 | ✓ | | | ch Harish |
| 9 | 20X41A1209 | ✓ | | | ch Rajitha |
| 10 | 20X41A1210 | ✓ | | | e.bhavana |
| 11 | 20X41A1211 | ✓ | | | |
| 12 | 20X41A1212 | ✓ | | | |
| 13 | 20X41A1213 | | | | |
| 14 | 20X41A1214 | | | ✓ | |
| 15 | 20X41A1215 | ✓ | | | |
| 16 | 20X41A1216 | ✓ | | | |
| 17 | 20X41A1217 | | ✓ | | |
| 18 | 20X41A1218 | ✓ | | | |
| 19 | 20X41A1220 | ✓ | | | |
| 20 | 20X41A1221 | ✓ | | | |
| 21 | 20X41A1222 | ✓ | | | |
| 22 | 20X41A1223 | | | | |
| 23 | 20X41A1224 | ✓ | | ✓ | |
| 24 | 20X41A1225 | ✓ | | | |
| 25 | 20X41A1226 | | ✓ | | |
| 26 | 20X41A1227 | ✓ | | | |
| 27 | 20X41A1228 | ✓ | | | |
| 28 | 20X41A1229 | ✓ | | | |
| 29 | 20X41A1230 | ✓ | | | |
| 30 | 20X41A1231 | ✓ | | | |
| 31 | 20X41A1232 | ✓ | | | |

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| | | | | | |
|---|---|---|---|---|---|
| 33 | 20X41A1234 | ✓ | | | N. Lokesh |
| 34 | 20X41A1235 | ✓ | | | P. Chinna Kapu M |
| 35 | 20X41A1236 | ✓ | | | Swathi |
| 36 | 20X41A1237 | ✓ | | | P.S. babu |
| 37 | 20X41A1239 | ✓ | | | P. Swathi |
| 38 | 20X41A1240 | ✓ | | | P. jayasri |
| 39 | 20X41A1241 | ✓ | | | P. goutham |
| 40 | 20X41A1242 | ✓ | | | R Bhavya |
| 41 | 20X41A1243 | ✓ | | | R. Gopatham |
| 42 | 20X41A1244 | | | ✓ | R. Sivasankar |
| 43 | 20X41A1245 | ✓ | | | R. Rama Brahmam |
| 44 | 20X41A1246 | ✓ | | | R. Siva |
| 45 | 20X41A1247 | ✓ | | | R. Deekshitha |
| 46 | 20X41A1248 | ✓ | | | R. Y. Ram Kumar |
| 47 | 20X41A1249 | ✓ | | | S Chanbasha |
| 48 | 20X41A1250 | | ✓ | | SK. Madhar Bee |
| 49 | 20X41A1251 | ✓ | | | Shaik Rumana |
| 50 | 20X41A1252 | ✓ | | | Sanvi |
| 51 | 20X41A1253 | ✓ | | | T. Tejasri |
| 52 | 20X41A1254 | ✓ | | | Thumati Sivanarayana |
| 53 | 20X41A1255 | | ✓ | | Veluri Mahesh Reddy |
| 54 | 20X41A1256 | ✓ | | | V. Ramya Sri |
| 55 | 20X41A1257 | ✓ | | | V. Nomika Naga Sree |
| 56 | 20X41A1258 | | ✓ | | V. Rani keerthna |
| 57 | 20X41A1259 | ✓ | | | Y. Sreeja |
| 58 | 20X41A1260 | ✓ | | | S. Sakeeth |
| 59 | 20X41A1262 | ✓ | | | K. Srinivasarao |
| 60 | 21X45A1201 | ✓ | | | B. V. S. N. Krishna |
| 61 | 21X45A1202 | ✓ | | | Ch. Sai Tarun |
| 62 | 21X45A1203 | ✓ | | | Ch. Manikanta |
| 63 | 21X45A1204 | ✓ | | | M. Naga Tarun |
| 64 | 21X45A1205 | ✓ | | | P Ramu |
| 65 | 21X45A1206 | ✓ | | | M. M. Venkata Sai |
| 66 | 21X45A1207 | ✓ | | | T. Baji Khan |
| 67 | 21X45A1208 | ✓ | | | Pavani |

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## IV/IV B.TECH – I SEMESTER

## CIRCULAR FOR OPEN ELECTIVE-IV

**Date**: 8/5/2023

The following subjects are offered as an open elective-IV for IV/IV B.TECH, Information Technology students for the academic year **2023-2024**, I Semester. Hence all the students are instructed to choose an open elective-IV subject among the options in the given format, on or before 12/5/2023. The details of the syllabus are enclosed.

**Open Elective –III**

1. Optimization Techniques
2. Safety Engineering
3. Smart manufacturing
4. Operation Management

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IV/IV B.TECH – I SEMESTER

CIRCULAR

Date: 16/5/2023

This is to inform all the students of IV/IV B.TECH, Information Technology, as per decision of the departmental academic committee, the **SE subject** offered as an open elective-IV for the academic year 2023-2024, I Semester.

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## LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2023-2024 Year/Semester : IV/I

| S No | Roll No | Open Elective-IV | | | | Student Signature |
|---|---|---|---|---|---|---|
| | | Optimization Techniques | Safety Engineering | Smart manufacturing | Operation Management | |
| 1 | 20X41A1201 | | ✓ | | | A. Vagesh |
| 2 | 20X41A1202 | | ✓ | | | B. V. Reddy |
| 3 | 20X41A1203 | | ✓ | | | Nikitha |
| 4 | 20X41A1204 | | ✓ | | | C. Aishwarya |
| 5 | 20X41A1205 | | ✓ | | | Raghava |
| 6 | 20X41A1206 | | ✓ | | | Swapna |
| 7 | 20X41A1207 | | ✓ | | | Ch. Harish |
| 8 | 20X41A1208 | | ✓ | | | Ch. Pujitha |
| 9 | 20X41A1209 | | ✓ | | | E Bhavana |
| 10 | 20X41A1210 | | ✓ | | | G. Abhinaya |
| 11 | 20X41A1211 | | ✓ | | | G Hindu |
| 12 | 20X41A1212 | | ✓ | | | G. Saiveshwa |
| 13 | 20X41A1213 | | ✓ | | | J. Sasira |
| 14 | 20X41A1214 | | ✓ | | | J. Mohan Sai |
| 15 | 20X41A1215 | | ✓ | | | K Venkanth |
| 16 | 20X41A1216 | | ✓ | | | K. Mahendra |
| 17 | 20X41A1217 | | ✓ | | | K. Rajendra |
| 18 | 20X41A1218 | | ✓ | | | K. Raghava |
| 19 | 20X41A1220 | | ✓ | | | Keerthi |
| 20 | 20X41A1221 | | ✓ | | | Siva Sai |
| 21 | 20X41A1222 | ✓ | | | | Nagatharun |
| 22 | 20X41A1223 | ✓ | | | | Jaswanth |
| 23 | 20X41A1224 | | | | | Mubeena |
| 24 | 20X41A1225 | | ✓ | | | Bhasiya |
| 25 | 20X41A1226 | | ✓ | | | Vijaya |
| 26 | 20X41A1227 | | ✓ | | | Sanmay |
| 27 | 20X41A1228 | | ✓ | | | N. Akash |
| 28 | 20X41A1229 | | | ✓ | | Bhavya Sai |
| 29 | 20X41A1230 | | ✓ | | | Palakurthi |
| 30 | 20X41A1231 | | ✓ | | | [illegible] |
| 31 | 20X41A1232 | | ✓ | | | N. Rahul |
| 32 | 20X41A1233 | | ✓ | | | N. Anudeep |
| 33 | [illegible] | | ✓ | | | |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 35 | 20X41A1236 | | ✓ | | | Swathi |
| 36 | 20X41A1237 | | ✓ | | | P.S. Babu |
| 37 | 20X41A1239 | | ✓ | | | P. Swathi |
| 38 | 20X41A1240 | | ✓ | | | P. Jayathri |
| 39 | 20X41A1241 | | ✓ | | | P. gayathri |
| 40 | 20X41A1242 | | ✓ | | | R. Bhavya |
| 41 | 20X41A1243 | | ✓ | | | R. Goutham |
| 42 | 20X41A1244 | | ✓ | | | R. Sivasankar |
| 43 | 20X41A1245 | | ✓ | | | P. Parna Brahmam |
| 44 | 20X41A1246 | ✓ | | | | R. Siva |
| 45 | 20X41A1247 | | ✓ | | | R. Deekshitha |
| 46 | 20X41A1248 | ✓ | | | | P.V. Ram Kumar |
| 47 | 20X41A1249 | | | ✓ | | S. Chanbasha |
| 48 | 20X41A1250 | | ✓ | | | Shaik Madhar Bee |
| 49 | 20X41A1251 | | ✓ | | | Sk. Rumana |
| 50 | 20X41A1252 | | ✓ | | | Vamsi |
| 51 | 20X41A1253 | | ✓ | | | T. Tejasuri |
| 52 | 20X41A1254 | | ✓ | | | Th. Sivanarayana |
| 53 | 20X41A1255 | | ✓ | | | velusi mahidhar |
| 54 | 20X41A1256 | | ✓ | | | V. Ramya Sri |
| 55 | 20X41A1257 | | ✓ | | | V. Nomitha Sahe |
| 56 | 20X41A1258 | | ✓ | | | V. Rohitha |
| 57 | 20X41A1259 | | ✓ | | | V. Sreeja. |
| 58 | 20X41A1260 | | ✓ | | | S. Sakeeb |
| 59 | 20X41A1262 | | ✓ | | | K. Srinivasarao |
| 60 | 21X45A1201 | | ✓ | | | B.V.L.N. Krish |
| 61 | 21X45A1202 | | ✓ | | | Ch. Sai Tarun |
| 62 | 21X45A1203 | | ✓ | | | Ch. Manikanta |
| 63 | 21X45A1204 | | ✓ | | | M. Nagatarun |
| 64 | 21X45A1205 | | ✓ | | | P Ramesh |
| 65 | 21X45A1206 | | ✓ | | | M.M. Venkata Sai |
| 66 | 21X45A1207 | ✓ | | | | P. Basit Khan |
| 67 | 21X45A1208 | | ✓ | | | Ravi |

HOD/Date 10/5

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

## DEPARTMENT OF INFORMATION TECHNOLOGY

**III B. Tech – I Semester**

| S.No | Course Code | Courses | Hours per week | | | Credits |
|---|---|---|---|---|---|---|
| | | | L | T | P | C |
| 1 | PC | Computer Networks | 3 | 0 | 0 | 3 |
| 2 | PC | Design and Analysis of Algorithms | 3 | 0 | 0 | 3 |
| 3 | PC | Data Mining Techniques | 3 | 0 | 0 | 3 |
| 4 | Open Elective/Job Oriented | **Open Elective-I**<br>Open Electives offered by other departments/<br>DevOps (Job Oriented course) | 3 | 0 | 0 | 3 |
| 5 | PE | **Professional Elective-I**<br>1. Artificial Intelligence<br>2. Agile Software Process<br>3. Distributed Systems<br>4. Advanced Unix Programming | 3 | 0 | 0 | 3 |
| 6 | PC | Data Mining Techniques with R Lab | 0 | 0 | 3 | 1.5 |
| 7 | PC | Computer Networks Lab | 0 | 0 | 3 | 1.5 |
| 8 | SO | **Skill Oriented Course - III**<br>1.Animation course: Animation Design **OR**<br>2. Continuous Integration and Continuous Delivery using DevOps | 0 | 0 | 4 | 2 |
| 9 | MC | Employability Skills-I | 2 | 0 | 0 | 0 |
| 10 | PR | **Summer Internship 2 Months(Mandatory) after second year(to be evaluated during V semester** | 0 | 0 | 0 | 1.5 |
| | | **Total credits** | | | | 21.5 |
| 11 | Minor | Computer Networks$ | 3 | 0 | 2 | 3+1 |
| 12 | Honors | Any course from the Pool, as per the opted track | 4 | 0 | 0 | 4 |

$- Integrated Course

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## III/IV B.TECH – I SEMESTER

## CIRCULAR FOR OPEN ELECTIVE-I

Date: 8/5/2023

The following subjects are offered as an open elective-I for III/IV B.TECH, Information Technology students for the academic year **2023-2024**, I Semester. Hence all the students are instructed to choose an open elective-I subject among the options in the given format, on or before 12/5/2023. The details of the syllabus are enclosed.

**Open Elective –I**

1. Sustainable Energy Technologies
2. Operations Research
3. Nano Technology
4. Thermal Management of Electronic systems

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III/IV B.TECH – I SEMESTER

CIRCULAR

Date: 16/5/2023

This is to inform all the students of III/IV B.TECH, Information Technology, as per decision of the departmental academic committee, the **Sustainable Energy Technologies** subject offered as an open elective-I for the academic year 2023-2024, I Semester.

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## LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2023-2024 Year/Semester : III/I

| S No | Roll No | Open Elective-I | | | | Student Signature |
|---|---|---|---|---|---|---|
| | | Sustainable Energy Technologies | Operations Research | Nano Technology | Thermal Management of Electronic systems | |
| 1 | 21X41A1201 | | ✓ | | | Abdul karim |
| 2 | 21X41A1202 | ✓ | | | | K.U.S. krishna |
| 3 | 21X41A1203 | | | | | A. Surya |
| 4 | 21X41A1204 | ✓ | | | | B. Prabhavathi |
| 5 | 21X41A1205 | ✓ | | | | B. Rumi |
| 6 | 21X41A1206 | | ✓ | | | M. Tarun |
| 7 | 21X41A1207 | ✓ | | | | Ch. Harish |
| 8 | 21X41A1208 | ✓ | | | | B. Varshitha |
| 9 | 21X41A1210 | ✓ | | | | Ch. Deepika |
| 10 | 21X41A1211 | ✓ | | | | Ch. Gopi priya |
| 11 | 21X41A1212 | ✓ | | | | Ch. Priyanka |
| 12 | 21X41A1213 | ✓ | | | | Ch. Priyanka |
| 13 | 21X41A1214 | ✓ | | | | Jai |
| 14 | 21X41A1215 | ✓ | | | | D. Upa |
| 15 | 21X41A1216 | ✓ | | | | K. krishnavani |
| 16 | 21X41A1217 | | ✓ | | | Divyasri |
| 17 | 21X41A1218 | ✓ | | | | G. Naresh |
| 18 | 21X41A1219 | ✓ | | ✓ | | G. lakshmi pragna |
| 19 | 21X41A1220 | ✓ | | | | G. Anjali |
| 20 | 21X41A1221 | ✓ | | | | J. Akhheela |
| 21 | 21X41A1222 | ✓ | | | | J. mahesh |
| 22 | 21X41A1223 | ✓ | | | | J Balu Prasad |
| 23 | 21X41A1224 | ✓ | | | | K. Prasanna |
| 24 | 21X41A1225 | ✓ | | | | J. Jagannatha Rao |
| 25 | 21X41A1226 | | | ✓ | | K. Shashank |
| 26 | 21X41A1227 | ✓ | | | | K. Apoorva |
| 27 | 21X41A1228 | ✓ | | | | K. Apoorva |
| 28 | 21X41A1229 | ✓ | | | | K. Geevani |
| 29 | 21X41A1230 | ✓ | | | | K. Venkatesh |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 31 | 21X41A1232 | ✓ | | | | K. Yasmi |
| 32 | 21X41A1233 | ✓ | | | | K. Mahe |
| 33 | 21X41A1234 | ✓ | | | | V. Yasoorth |
| 34 | 21X41A1235 | ✓ | | | | M. Pan |
| 35 | 21X41A1236 | ✓ | | | | M Maidika |
| 36 | 21X41A1237 | | ✓ | | | M. Rithish |
| 37 | 21X41A1238 | ✓ | | | | |
| 38 | 21X41A1239 | ✓ | | | | MD. Ashraf ali |
| 39 | 21X41A1240 | ✓ | | | | MD kowsar |
| 40 | 21X41A1241 | ✓ | | | | M. Divyasri |
| 41 | 21X41A1242 | ✓ | | | | M. Jupa |
| 42 | 21X41A1243 | | ✓ | | | N. Vijaya Lakh |
| 43 | 21X41A1244 | ✓ | | | | P. Siva |
| 44 | 21X41A1245 | ✓ | | | | P. Manikanta |
| 45 | 21X41A1246 | ✓ | | | | P. Ganesh Kuma |
| 46 | 21X41A1247 | ✓ | | | | P. Sujith |
| 47 | 21X41A1248 | ✓ | | | | P. Harika |
| 48 | 21X41A1249 | ✓ | | | | R. Varanya |
| 49 | 21X41A1250 | | ✓ | | | R. Kobali |
| 50 | 21X41A1251 | ✓ | | | | R. Bhargav |
| 51 | 21X41A1252 | ✓ | | | | R. Uday |
| 52 | 21X41A1253 | ✓ | | ✓ | | R. Charan Teja |
| 53 | 21X41A1254 | | | | | SK. Joshik |
| 54 | 21X41A1255 | ✓ | | | | S. Divya |
| 55 | 21X41A1256 | ✓ | | | | S. Vyshnavi |
| 56 | 21X41A1257 | ✓ | | | | T. Teja |
| 57 | 21X41A1258 | ✓ | | | | T. Charan Teja |
| 58 | 21X41A1259 | ✓ | | | | V. Bhargavi |
| 59 | 21X41A1260 | | ✓ | | | V. Saranya |
| 60 | 21X41A1261 | ✓ | | | | Y. Mahesh |
| 61 | 21X41A1262 | ✓ | | | | Y. Pradeepa |
| 62 | 21X41A1263 | ✓ | | | | A. Sowmika |
| 63 | 21X41A1264 | ✓ | | | | K. Pavan |
| 64 | 22X45A1201 | ✓ | | | | K. Tejak |
| 65 | 22X45A1202 | ✓ | | | | K. Neha |
| 66 | 22X45A1203 | ✓ | | | | N. Tejakanth |
| 67 | 22X45A1205 | ✓ | | | | Y. Durgaprasad |
| 68 | 22X45A1206 | ✓ | | | | |

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## III/IV B.TECH – I SEMESTER

## CIRCULAR FOR PROFESSIONAL ELECTIVE-I

**Date**: 8/5/2023

The following subjects are offered as an professional elective-I for III/IV B.TECH. Information Technology students for the academic year **2023-2024**. I Semester. Hence all the students are instructed to choose an professional elective-I subject among the options in the given format, on or before 12/5/2023. The details of the syllabus are enclosed.

**Professional Elective –I**

1. Artificial Intelligence
2. Agile Software Process
3. Distributed Systems
4. Advanced Unix Programming

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Department of Information Technology

III/IV B.TECH – I SEMESTER

CIRCULAR

Date: 16/5/2023

This is to inform all the students of III/IV B.TECH, Information Technology, as per decision of the departmental academic committee, the **Advanced Unix Programming** subject offered as an professional elective-I for the academic year 2023-2024, I Semester.

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Department of Information Technology

## LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

**Academic Year: 2023-2024** **Year/Semester : III/I**

| S No | Roll No | Professional Elective-I | | | | Student Signature |
|---|---|---|---|---|---|---|
| | | Artificial Intelligence | Agile Software Process | Distributed Systems | Advanced Unix Programming | |
| 1 | 21X41A1201 | | | | ✓ | Abdulkarim |
| 2 | 21X41A1202 | | | | ✓ | K.V.S. Krishna |
| 3 | 21X41A1203 | | | | ✓ | A. Surya |
| 4 | 21X41A1204 | | | | ✓ | R. Prabhavathi |
| 5 | 21X41A1205 | | | | ✓ | B. Rani |
| 6 | 21X41A1206 | | | | ✓ | M. Tarun. |
| 7 | 21X41A1207 | | | | ✓ | B. Roshan |
| 8 | 21X41A1208 | | | | ✓ | B. Varshitha |
| 9 | 21X41A1210 | | | | ✓ | Ch. Deepika |
| 10 | 21X41A1211 | | | | ✓ | Ch. Gopipriya |
| 11 | 21X41A1212 | | | | ✓ | Ch. Priyanka |
| 12 | 21X41A1213 | | | | ✓ | ch. Priyanka |
| 13 | 21X41A1214 | | | | ✓ | Jai |
| 14 | 21X41A1215 | | | | ✓ | D. Tejas |
| 15 | 21X41A1216 | | | | ✓ | Lakshmay |
| 16 | 21X41A1217 | | ✓ | | | Divyasaba |
| 17 | 21X41A1218 | | | | ✓ | G. Naresh |
| 18 | 21X41A1219 | | | ✓ | | G. pragna |
| 19 | 21X41A1220 | ✓ | | | | G. Anjali |
| 20 | 21X41A1221 | | | | ✓ | I. Akhheela |
| 21 | 21X41A1222 | | | | ✓ | J. mahesh |
| 22 | 21X41A1223 | | | | ✓ | J. Baburavas |
| 23 | 21X41A1224 | | | | ✓ | K. Prasanna |
| 24 | 21X41A1225 | | | | ✓ | Jasmath |
| 25 | 21X41A1226 | | | | ✓ | K. Shashank |
| 26 | 21X41A1227 | | | | ✓ | Uday |
| 27 | 21X41A1228 | | | | ✓ | K. Bhavani |
| 28 | 21X41A1229 | | | | ✓ | K. Geevani |
| 29 | 21X41A1230 | | | | ✓ | Vijay |
| 30 | 21X41A1231 | | | | ✓ | K. B. Reddy |
| 31 | 21X41A1232 | | | | ✓ | Nagi |
| 32 | 21X41A1233 | | | | | K. Anjali |

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Department of Information Technology

| | | | | | | |
|---|---|---|---|---|---|---|
| 34 | 21X41A1235 | | | | ✓ | |
| 35 | 21X41A1236 | | | | ✓ | M Mounika |
| 36 | 21X41A1237 | | | | ✓ | M. Hitish |
| 37 | 21X41A1238 | | | | ✓ | |
| 38 | 21X41A1239 | | | | ✓ | MD. Ashrafali |
| 39 | 21X41A1240 | | | | ✓ | MD. Kawsar |
| 40 | 21X41A1241 | | | ✓ | | M. Divyasri |
| 41 | 21X41A1242 | | | | ✓ | M. Jupa |
| 42 | 21X41A1243 | | | | ✓ | N. Vijayalakshmi |
| 43 | 21X41A1244 | | | ✓ | | P. Siva |
| 44 | 21X41A1245 | | | | ✓ | P. Manikantha |
| 45 | 21X41A1246 | | | | ✓ | P. Ganesh Kumar |
| 46 | 21X41A1247 | | | | ✓ | P. Sujith |
| 47 | 21X41A1248 | | | | ✓ | P. Harika |
| 48 | 21X41A1249 | | | | ✓ | R. V. Lavanya |
| 49 | 21X41A1250 | | | | ✓ | Rakesh. K |
| 50 | 21X41A1251 | | | | ✓ | R. Bhargav |
| 51 | 21X41A1252 | | | | ✓ | R. Udaykiran |
| 52 | 21X41A1253 | | | | ✓ | R. Durgacharan |
| 53 | 21X41A1254 | | | | ✓ | SK. Joshik |
| 54 | 21X41A1255 | | | | ✓ | S. Deva |
| 55 | 21X41A1256 | | | ✓ | | S. Jyothsnavi |
| 56 | 21X41A1257 | | | | ✓ | T. Teja |
| 57 | 21X41A1258 | | | | ✓ | T. Charan Teja |
| 58 | 21X41A1259 | | ✓ | | | V. Bhargavi |
| 59 | 21X41A1260 | | | | ✓ | D. Tejasri |
| 60 | 21X41A1261 | | | | ✓ | Y. Mahesh |
| 61 | 21X41A1262 | | | | ✓ | Y. Pradeepa |
| 62 | 21X41A1263 | | | | ✓ | A. Sowmika |
| 63 | 21X41A1264 | | | | ✓ | P. Pavan |
| 64 | 22X45A1201 | | | | ✓ | K. Nagasai |
| 65 | 22X45A1202 | | | | ✓ | T. Neha |
| 66 | 22X45A1203 | | | | ✓ | N. Tejakanth |
| 67 | 22X45A1205 | | | | ✓ | P. Ramesh |
| 68 | 22X45A1206 | | | | ✓ | V. Durgaprasad |

HOD/Date 16/5

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
**KAKINADA – 533 003, Andhra Pradesh, India**

# MASTER OF COMPUTER APPLICATIONS (MCA)
(For Two-Year PG Programme)

## COURSE STRUCTURE AND SYLLABUS
**For PG – R20**

# MASTER OF COMPUTER APPLICATIONS (MCA)
(For Two-Year PG Programme)

*(Applicable for batches admitted from 2020-21)*

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
**KAKINADA – 533 003, Andhra Pradesh, India**

# MASTER OF COMPUTER APPLICATIONS (MCA)

(For Two-Year PG Programme)

## COURSE STRUCTURE

**I Semester**

| S.No | Course Code | Course Name | Category | L | T | P | Credits |
|---|---|---|---|---|---|---|---|
| 1 | MCA1101 | Business Communication | BS&H | 2 | 0 | 0 | 2 |
| 2 | MCA1102 | Mathematical and Statistical Foundations | BS&H | 3 | 0 | 0 | 3 |
| 3 | MCA1103 | Computer Organization & Operating Systems | PC | 3 | 1 | 0 | 4 |
| 4 | MCA1104 | Data Structures | PC | 3 | 0 | 0 | 3 |
| 5 | MCA1105 | Object Oriented Programming with JAVA | PC | 3 | 0 | 0 | 3 |
| 6 | MCA1106 | Operating Systems and Linux Lab | PC | 0 | 0 | 3 | 1.5 |
| 7 | MCA1107 | Data Structures Lab | PC | 0 | 0 | 3 | 1.5 |
| 8 | MCA1108 | JAVA Programming Lab | PC | 0 | 0 | 3 | 1.5 |
| 9 | MCA1109 | Socially Relevant Project using Design Thinking | MC | 0 | 0 | 1 | 0.5 |
| | | | Total | 15 | 1 | 10 | 20 |

**II Semester**

| S.No | Course Code | Course Name | Category | L | T | P | Credits |
|---|---|---|---|---|---|---|---|
| 1 | MCA2101 | Database Management Systems | PC | 3 | 0 | 0 | 3 |
| 2 | MCA2102 | Computer Networks | PC | 3 | 0 | 0 | 3 |
| 3 | MCA2103 | Software Engineering and Design Patterns | PC | 3 | 0 | 0 | 3 |
| 4 | MCA2104 | Data Warehousing and Mining | PC | 3 | 0 | 0 | 3 |
| 5 | MCA2105 | **Elective-I**<br>• No SQL Databases<br>• Design and Analysis of Algorithms<br>• Mobile Application Development<br>• Artificial Intelligence<br>• Accounting for Managers | PE | 3 | 0 | 0 | 3 |
| 6 | MCA2106 | DBMS Lab | PC | 0 | 0 | 3 | 1.5 |
| 7 | MCA2107 | Computer Networks Lab | PC | 0 | 0 | 3 | 1.5 |
| 8 | MCA2108 | Software Engineering and Design Patterns Lab | PC | 0 | 0 | 3 | 1.5 |
| 9 | MCA2109 | Employability Skills | MC | 0 | 0 | 1 | 0.5 |
| 10 | MCA2110 | Bridge Course (Python Programming to be taken through MOOCs) | MC | 0 | 0 | 0 | 0 |
| | | | Total | 15 | 0 | 10 | 20 |

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# MASTER OF COMPUTER APPLICATIONS (MCA)
(For Two-Year PG Programme)

**III Semester**

| S.No | Course Code | Course Name | Category | L | T | P | Credits |
|---|---|---|---|---|---|---|---|
| 1 | MCA3101 | Machine Learning with Python | PC | 3 | 0 | 0 | 3 |
| 2 | MCA3102 | Internet of Things | PC | 3 | 0 | 0 | 3 |
| 3 | MCA3103 | Web Technologies | PC | 3 | 0 | 0 | 3 |
| 4 | MCA3104 | Cryptography and Network Security | PC | 3 | 0 | 0 | 3 |
| 5 | MCA3105 | **Elective-II**<br>• Soft Computing<br>• Software Project Management<br>• Cloud Computing<br>• Optimization Techniques<br>• Cyber Security | PE | 3 | 0 | 0 | 3 |
| 6 | MCA3106 | Machine Learning with Python Lab | PC | 0 | 0 | 3 | 1.5 |
| 7 | MCA3107 | IoT Lab | PC | 0 | 0 | 3 | 1.5 |
| 8 | MCA3108 | Web Technologies Lab | PC | 0 | 0 | 4 | 2 |
| 9 | MCA3109 | Internship / Industry Oriented Mini Project/ Skill Development Course (Minimum 6-weeks) | PR | 0 | 0 | 0 | 2 |
| | | | Total | 15 | 0 | 10 | 22 |

**IV Semester**

| S.No | Course Code | Course Name | Category | L | T | P | Credits |
|---|---|---|---|---|---|---|---|
| 1 | MCA4101 | Elective-III *<br>• Digital Marketing<br>• Human Resource Management<br>• Deep Learning<br>• Ad-hoc and Sensor Networks<br>• MOOCs-1 (NPTEL/SWAYAM)<br>- Full Stack Technologies<br>- Any recommended course | PE | 3 | 0 | 0 | 3 |
| 2 | MCA4102 | Elective-IV *<br>• Network Programming<br>• Block Chain technologies<br>• Software Testing Methodologies<br>• Big Data Analytics<br>• MOOCs-2 (NPTEL/SWAYAM)<br>-Data Science<br>-Any recommended course | PE | 3 | 0 | 0 | 3 |
| 3 | MCA4103 | Project Work/ Dissertation | PR | 0 | 0 | 0 | 12 |
| | | | Total | 6 | 0 | 0 | 18 |

***Students going for Industrial Project/Thesis will complete these courses through MOOCs (even in earlier semester)**

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**CIRCULAR**

Date: 22/01/2023

The following subjects are offered as elective subjects for MCA II Semester students for the academic year 2023-2024 (SRK23 Regulation) by the SRK Institute of Technology. Hence all the students are instructed to choose the Elective-I subjects among the options in the given proforma, on or before 27/01/2023. The syllabus copies are enclosed.

**Elective – I:**

1. No SQL Databases
2. Design and Analysis of Algorithms
3. Mobile Application Development
4. Artificial Intelligence
5. Accounting for Managers

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# SRK INSTITUTE OF TECHNOLOGY

**Enikepadu, Vijayawada 521108**

**Department of Master of Computer Applications**

**LIST OF ELECTIVES OFFERED, CHOICE EXERCISED BY STUDENTS**

**SRKIT / MCA / 73**

**Academic Year: 2023-24** **Year/ Semester: I/II**

| S No | ROLL NO | Elective- I | | | | | Signature of the Student |
|---|---|---|---|---|---|---|---|
| | | Subject:1 NOSQL | Subject:2 DAA | Subject:3 MAD | Subject:4 AI | Subject:5 AM | |
| 1 | 23X41F0001 | ✓ | | | | | A. Gayathri |
| 2 | 23X41F0002 | ✓ | | | | | A. Haritha |
| 3 | 23X41F0003 | ✓ | | | | | A. Padmaja |
| 4 | 23X41F0004 | ✓ | | | | | A. Ashok. |
| 5 | 23X41F0005 | ✓ | | | | | A. B. prakash |
| 6 | 23X41F0006 | ✓ | | | | | A. Siva |
| 7 | 23X41F0007 | ✓ | | | | | B. Manika |
| 8 | 23X41F0008 | ✓ | | | | | B. Hanif @. |
| 9 | 23X41F0009 | ✓ | | | | | B. Ven t |
| 10 | 23X41F0010 | ✓ | | | | | B. Maithili |
| 11 | 23X41F0011 | ✓ | | | | | B. Priyanka |
| 12 | 23X41F0012 | ✓ | | | | | Ch. Din |
| 13 | 23X41F0013 | ✓ | | | | | Ch. Dharani |
| 14 | 23X41F0014 | ✓ | | | | | Ch. Sowmya |
| 15 | 23X41F0015 | ✓ | | | | | D. Kavya |
| 16 | 23X41F0016 | ✓ | | | | | D. Sowmithya |
| 17 | 23X41F0017 | ✓ | | | | | D. Anil |
| 18 | 23X41F0018 | ✓ | | | | | [illegible] |
| 19 | 23X41F0019 | ✓ | | | | | E. Sirisha |
| 20 | 23X41F0020 | ✓ | | | | | E. Sravani |
| 21 | 23X41F0021 | ✓ | | | | | G. Sasipriyanka |
| 22 | 23X41F0022 | ✓ | | | | | K. Venkat |
| 23 | 23X41F0023 | ✓ | | | | | K. Nishitha |
| 24 | 23X41F0024 | ✓ | | | | | K. Dilipkumar |
| 25 | 23X41F0025 | ✓ | | | | | K. Hafiba |
| 26 | 23X41F0026 | ✓ | | | | | K. Hasath |
| 27 | 23X41F0027 | ✓ | | | | | K. Bindu |
| 28 | 23X41F0028 | ✓ | | | | | K. Kiran |

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**Department of Master of Computer Applications**

**LIST OF ELECTIVES OFFERED, CHOICE EXERCISED BY STUDENTS**

**SRKIT / MCA / 73**

| S No | ROLL NO | Elective- I | | | | | Signature of the Student |
|---|---|---|---|---|---|---|---|
| | | Subject:1 NOSQL | Subject:2 DAA | Subject:3 MAD | Subject:4 AI | Subject:5 AM | |
| 29 | 23X41F0029 | ✓ | | | | | K. Ushasri |
| 30 | 23X41F0030 | ✓ | | | | | K. Venkatesh |
| 31 | 23X41F0031 | ✓ | | | | | M. Madhavi |
| 32 | 23X41F0032 | ✓ | | | | | M. Prasanna |
| 33 | 23X41F0033 | ✓ | | | | | M. Jayavardhan |
| 34 | 23X41F0034 | ✓ | | | | | M. Hanitha |
| 35 | 23X41F0035 | ✓ | | | | | Mohammad |
| 36 | 23X41F0036 | ✓ | | | | | Shahida |
| 37 | 23X41F0037 | ✓ | | | | | Ramya Krishna |
| 38 | 23X41F0038 | ✓ | | | | | N. Srinivas |
| 39 | 23X41F0039 | ✓ | | | | | Sarda Kishore |
| 40 | 23X41F0040 | ✓ | | | | | Mahi |
| 41 | 23X41F0041 | ✓ | | | | | P. Vijaya |
| 42 | 23X41F0042 | ✓ | | | | | P. Sridevi |
| 43 | 23X41F0043 | ✓ | | | | | P. Mohan |
| 44 | 23X41F0044 | ✓ | | | | | P. Ajay |
| 45 | 23X41F0045 | ✓ | | | | | P.L.D. Bhavani |
| 46 | 23X41F0046 | ✓ | | | | | R.N.D.S. Harini |
| 47 | 23X41F0047 | ✓ | | | | | Sriya |
| 48 | 23X41F0048 | ✓ | | | | | Sk. Abdul Rauf |
| 49 | 23X41F0049 | ✓ | | | | | Sk. Jasmine |
| 50 | 23X41F0050 | ✓ | | | | | Sk. Nafiza |
| 51 | 23X41F0051 | ✓ | | | | | G. Sravani |
| 52 | 23X41F0052 | ✓ | | | | | T. Laasya |
| 53 | 23X41F0053 | ✓ | | | | | T. Pavani |
| 54 | 23X41F0054 | ✓ | | | | | T. Nagagopi |
| 55 | 23X41F0055 | ✓ | | | | | T. Pravallika |
| 56 | 23X41F00056 | ✓ | | | | | V. Jaya |
| 57 | 23X41F0057 | ✓ | | | | | V. Jaya |

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# SRK INSTITUTE OF TECHNOLOGY

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**Department of Master of Computer Applications**

**LIST OF ELECTIVES OFFERED, CHOICE EXERCISED BY STUDENTS**

**SRKIT / MCA / 73**

| S No | ROLL NO | Elective- I | | | | | Signature of the Student |
|---|---|---|---|---|---|---|---|
| | | Subject:1 NOSQL | Subject:2 DAA | Subject:3 MAD | Subject:4 AI | Subject:5 AM | |
| 58 | 23X41F00058 | ✓ | | | | | Hemani |
| 59 | 23X41F00059 | ✓ | | | | | Y. Gopi Suresh |
| 60 | 23X41F0060 | ✓ | | | | | Y Samyuktha |
| 61 | 23X41F0061 | | | | | | |
| 62 | 23X41F0062 | ✓ | | | | | M. Chinnalakshmi Reddy |

M. Anitha
**HOD**

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**Department of Master of Computer Applications**

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## CIRCULAR

Date: 30/01/2023

This is to inform all the students of MCA II Semester, as per the options given by the students, the departmental academic committee decided to offer **NOSQL Database** subject as Elective-I, for the academic year 2023-24.Student roll lists for electives are enclosed.

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## CIRCULAR

Date: 01/08/2023

The following subjects are offered as elective subjects for II MCA, I Semester Master of Computer Applications students for the academic year 2023-24 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the Elective- II subjects among the options in the given proforma, on or before 03/08/2023. The syllabus copies are enclosed.

**Professional Elective- I**

1. Soft Computing
2. Software Project Management
3. Cloud Computing
4. Optimization Techniques
5. Cyber Security

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# SRK INSTITUTE OF TECHNOLOGY

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**Department of Master of Computer Applications**

**LIST OF ELECTIVES OFFERED, CHOICE EXERCISED BY STUDENTS**

**SRKIT / MCA / 36**

**Academic Year: 2023-24** **Year/ Semester: II/I**

| S No | ROLL NO | Professional Elective- I | | | | | Signature of the Student |
|---|---|---|---|---|---|---|---|
| | | Subject:1 SC | Subject:2 SPM | Subject:3 CC | Subject:4 OT | Subject:5 CS | |
| 1 | 22X41F0001 | | ✓ | | | | A. Sudhangji |
| 2 | 22X41F0002 | | ✓ | | | | |
| 3 | 22X41F0003 | | ✓ | | | | A. Vasavi |
| 4 | 22X41F0004 | | ✓ | | | | B. Praveen |
| 5 | 22X41F0005 | | ✓ | | | | |
| 6 | 22X41F0006 | | ✓ | | | | |
| 7 | 22X41F0007 | | ✓ | | | | B. Siva Shankar |
| 8 | 22X41F0008 | | ✓ | | | | B. Saikiran |
| 9 | 22X41F0009 | | ✓ | | | | B. Durga Rao |
| 10 | 22X41F0010 | | ✓ | | | | B. Nikitha |
| 11 | 22X41F0011 | | ✓ | | | | Ch. Harini |
| 12 | 22X41F0012 | | ✓ | | | | Ch. Sai |
| 13 | 22X41F0013 | | ✓ | | | | Ch. Nan |
| 14 | 22X41F0014 | | ✓ | | | | Sravani |
| 15 | 22X41F0015 | | ✓ | | | | D. Anitha |
| 16 | 22X41F0016 | | ✓ | | | | G. Mounika |
| 17 | 22X41F0017 | | ✓ | | | | J. Bhavani |
| 18 | 22X41F0018 | | ✓ | | | | J. Benarji |
| 19 | 22X41F0019 | | ✓ | | | | J. Ganga |
| 20 | 22X41F0020 | | ✓ | | | | J. V |
| 21 | 22X41F0021 | | ✓ | | | | K. Durga |
| 22 | 22X41F0022 | | ✓ | | | | K. V. D. Prasad |
| 23 | 22X41F0023 | | ✓ | | | | K. V. Sai Rohini |
| 24 | 22X41F0024 | | ✓ | | | | G. Ramya |
| 25 | 22X41F0025 | | ✓ | | | | K. Chandu |
| 26 | 22X41F0026 | | ✓ | | | | K. Mahendra |
| 27 | 22X41F0027 | | ✓ | | | | K. Hemanth |
| 28 | 22X41F0028 | | ✓ | | | | K. Sai Ram |
| 29 | 22X41F0029 | | ✓ | | | | K. Harish |
| 30 | 22X41F0030 | | ✓ | | | | K. Madhavi |
| 31 | 22X41F0031 | | ✓ | | | | K. Hema Bindu |
| 32 | 22X41F0032 | | ✓ | | | | K. Bhavika |
| 33 | 22X41F0033 | | ✓ | | | | Lakshmi |

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# SRK INSTITUTE OF TECHNOLOGY

**Enikepadu, Vijayawada 521108**

**Department of Master of Computer Applications**

**LIST OF ELECTIVES OFFERED, CHOICE EXERCISED BY STUDENTS**

SRKIT / MCA / 36

| S No | ROLL NO | Professional Elective- I | | | | | Signature of the Student |
|---|---|---|---|---|---|---|---|
| | | Subject:1 SC | Subject:2 SPM | Subject:3 CC | Subject:4 OT | Subject:5 CS | |
| 34 | 22X41F0034 | | ✓ | | | | L. Sravani |
| 35 | 22X41F0035 | | ✓ | | | | |
| 36 | 22X41F0036 | | ✓ | | | | |
| 37 | 22X41F0037 | | ✓ | | | | M. Dheeraj |
| 38 | 22X41F0038 | | ✓ | | | | M. Praveen |
| 39 | 22X41F0039 | | ✓ | | | | M. S. R |
| 40 | 22X41F0040 | | ✓ | | | | H. Vyshavi |
| 41 | 22X41F0041 | | ✓ | | | | MD Zeenath |
| 42 | 22X41F0042 | | ✓ | | | | N. Komali |
| 43 | 22X41F0043 | | ✓ | | | | Lalitha |
| 44 | 22X41F0044 | | ✓ | | | | P. Manideepika |
| 45 | 22X41F0045 | | ✓ | | | | P. Durga Vinod |
| 46 | 22X41F0046 | | ✓ | | | | P. Komalatha |
| 47 | 22X41F0047 | | ✓ | | | | Bhuvaneswari |
| 48 | 22X41F0048 | | ✓ | | | | P. Rajyalakshmi |
| 49 | 22X41F0049 | | ✓ | | | | |
| 50 | 22X41F0050 | | ✓ | | | | Gopi |
| 51 | 22X41F0051 | | ✓ | | | | P. Sandhya Rathnasri |
| 52 | 22X41F0052 | | ✓ | | | | R. Bharathi |
| 53 | 22X41F0053 | | ✓ | | | | R. Anil Kumar |
| 54 | 22X41F0054 | | ✓ | | | | S Veena |
| 55 | 22X41F0055 | | ✓ | | | | S. Koteswara Rao |
| 56 | 22X41F0056 | | ✓ | | | | S Akhil Kar |
| 57 | 22X41F0057 | | ✓ | | | | S Rakesha |
| 58 | 22X41F0058 | | ✓ | | | | SK. Mahalji |
| 59 | 22X41F0059 | | ✓ | | | | S. Chandu Sekhar |
| 60 | 22X41F0060 | | ✓ | | | | T. Soniya |
| 61 | 22X41F0061 | | ✓ | | | | T. Gayathri |
| 62 | 22X41F0062 | | ✓ | | | | |
| 63 | 22X41F0063 | | ✓ | | | | Pradeep |
| 64 | 22X41F0064 | | ✓ | | | | Pavani |
| 65 | 22X41F0065 | | ✓ | | | | Chandu |
| 66 | 22X41F0066 | | ✓ | | | | Sravani |

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# SRK INSTITUTE OF TECHNOLOGY

**Enikepadu, Vijayawada 521108**
**Approved by AICTE, Affiliated to JNTUK, Kakinada**
**(ISO 9001:2015 Certified Institution)**
**Department of Master of Computer Applications**

## CIRCULAR

Date: 21/08/2023

This is to inform all the students of MCA III Semester, as per the options given by the students, the departmental academic committee decided to offer **Software Project Management** subject as Elective-II for the academic year 2023-24.Student roll lists for electives are enclosed.

**HOD MCA**

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Exam section
Notice Board

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**Department of Master of Computer Applications**

## CIRCULAR

Date: 04/12/2023

The following subjects are offered as elective subjects for II MCA,II Semester Master of Computer Applications students for the academic year 2023-24 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the Elective- III subjects among the options in the given proforma, on or before 09/12/2023. The syllabus copies are enclosed.

**Professional Elective- III**

1. Digital Marketing
2. Human Resource Management
3. Deep Learning
4. Ad-hoc and Sensor Networks
5. MOOCs-1 (NPTEL/SWAYAM)
   - Full Stack Technologies

M. Subba
**HOD**

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# SRK INSTITUTE OF TECHNOLOGY

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**Department of Master of Computer Applications**

**LIST OF ELECTIVES OFFERED, CHOICE EXERCISED BY STUDENTS**

**SRKIT / MCA / 73**

**Academic Year: 2023-24** **Year/ Semester: II/IV**

| S No | ROLL NO | Professional Elective- III | | | | | Signature of the Student |
|---|---|---|---|---|---|---|---|
| | | Subject:1 DM | Subject:2 HRM | Subject:3 DL | Subject:4 Ad-hoc | Subject:5 MOOCS-1 | |
| 1 | 22X41F0001 | | ✓ | | | | A Sudhavaji |
| 2 | 22X41F0002 | | ✓ | | | | Kasheed |
| 3 | 22X41F0003 | | ✓ | | | | A. Vasavi |
| 4 | 22X41F0004 | | ✓ | | | | B. Pravee. |
| 5 | 22X41F0005 | | ✓ | | | | B.V.S.Lakshmi |
| 6 | 22X41F0006 | | ✓ | | | | B. Mohan. |
| 7 | 22X41F0007 | | ✓ | | | | B. Sivasheenkar |
| 8 | 22X41F0008 | | ✓ | | | | B. Lavanya |
| 9 | 22X41F0009 | | ✓ | | | | B. Durga Rao |
| 10 | 22X41F0010 | | ✓ | | | | B. Nikhitha |
| 11 | 22X41F0011 | | ✓ | | | | Ch. Harini |
| 12 | 22X41F0012 | | ✓ | | | | Ch. Sruthi |
| 13 | 22X41F0013 | | ✓ | | | | D. Sravani |
| 14 | 22X41F0014 | | ✓ | | | | Ch. Nagalaxmi Anitha |
| 15 | 22X41F0015 | | ✓ | | | | |
| 16 | 22X41F0016 | | ✓ | | | | G. Mounika |
| 17 | 22X41F0017 | | ✓ | | | | G. Poornima |
| 18 | 22X41F0018 | | ✓ | | | | J. Revathy |
| 19 | 22X41F0019 | | ✓ | | | | J. Sayas |
| 20 | 22X41F0020 | | ✓ | | | | J. Vinay |
| 21 | 22X41F0021 | | ✓ | | | | |
| 22 | 22X41F0022 | | ✓ | | | | K. Venkat |
| 23 | 22X41F0023 | | ✓ | | | | K. Rohini |
| 24 | 22X41F0024 | | ✓ | | | | G. Ramya |
| 25 | 22X41F0025 | | ✓ | | | | K. Chandralekha |
| 26 | 22X41F0026 | | ✓ | | | | K. Prakash |
| 27 | 22X41F0027 | | ✓ | | | | K. Hemanth |
| 28 | 22X41F0028 | | ✓ | | | | K. Sri Ram |
| 29 | 22X41F0029 | | ✓ | | | | K. Harish |
| 30 | 22X41F0030 | | ✓ | | | | K Bindhu |
| 31 | 22X41F0031 | | ✓ | | | | K. Dhatrika |
| 32 | 22X41F0032 | | ✓ | | | | |
| 33 | 22X41F0033 | | ✓ | | | | N. Lakshmi Thirupatamma |

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# SRK INSTITUTE OF TECHNOLOGY

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**Department of Master of Computer Applications**

**LIST OF ELECTIVES OFFERED, CHOICE EXERCISED BY STUDENTS**

**SRKIT / MCA / 73**

| S No | ROLL NO | Professional Elective- III | | | | | Signature of the Student |
|---|---|---|---|---|---|---|---|
| | | Subject:1 DM | Subject:2 HRM | Subject:3 DL | Subject:4 Ad-hoc | Subject:5 MOOCS-1 | |
| 34 | 22X41F0034 | | | | | | |
| 35 | 22X41F0035 | | ✓ | | | | |
| 36 | 22X41F0036 | ● | ✓ | | | | H.B.L.Rao |
| 37 | 22X41F0037 | | ✓ | | | | M.Hari |
| 38 | 22X41F0038 | | ✓ | | | | M. Pravallika |
| 39 | 22X41F0039 | | ✓ | | | | M. S K |
| 40 | 22X41F0040 | | ✓ | | | | M. Vyshnavi |
| 41 | 22X41F0041 | | ✓ | | | | MD Zeenath. |
| 42 | 22X41F0042 | | ✓ | | | | |
| 43 | 22X41F0043 | | ✓ | | | | P. Lalitha |
| 44 | 22X41F0044 | | ✓ | | | | P. Mardeepika |
| 45 | 22X41F0045 | | ✓ | | | | P. Durga Nagesh |
| 46 | 22X41F0046 | | ✓ | | | | P. Hema latha |
| 47 | 22X41F0047 | | ✓ | | | | P. Bhuvaneswari |
| 48 | 22X41F0048 | | ✓ | | | | P. Rajyalaki |
| 49 | 22X41F0049 | | ✓ | | | | G S K |
| 50 | 22X41F0050 | | ✓ | | | | P. Gopi |
| 51 | 22X41F0051 | | ✓ | | | | P. Sandhyakumari |
| 52 | 22X41F0052 | | ✓ | | | | Bharathi |
| 53 | 22X41F0053 | | ✓ | | | | R. D. L |
| 54 | 22X41F0054 | | ✓ | | | | S. Veena |
| 55 | 22X41F0055 | | ✓ | | | | S. koteswarao |
| 56 | 22X41F0056 | | ✓ | | | | S. Sathish |
| 57 | 22X41F0057 | | ✓ | | | | Sd. Shakeela |
| 58 | 22X41F0058 | | ✓ | | | | Sk. Moulali |
| 59 | 22X41F0059 | | ✓ | | | | s. chandrasekhar |
| 60 | 22X41F0060 | | ✓ | | | | T. Sonia |
| 61 | 22X41F0061 | | ✓ | | | | T. Gayathri |
| 62 | 22X41F0062 | | ✓ | | | | N. Mangesh |
| 63 | 22X41F0063 | | ✓ | | | | Pradeep |
| 64 | 22X41F0064 | | ✓ | | | | Y. Ravani |
| 65 | 22X41F0065 | | ✓ | | | | Y. |
| 66 | 22X41F0066 | | ✓ | | | | Y. Praveen |

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**Department of Master of Computer Applications**

## CIRCULAR

Date: 04/12/2023

The following subjects are offered as elective subjects for II MCA, II Semester Master of Computer Applications students for the academic year 2023-24 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the Elective- IV subjects among the options in the given proforma, on or before 09/12/2023. The syllabus copies are enclosed.

**Professional Elective- IV**

1. Network Programming
2. Block Chain technologies
3. Software Testing Methodologies
4. Big Data Analytics
5. MOOCs-2 (NPTEL/SWAYAM)
   -Data Science

M. Sastha
**HOD**

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# SRK INSTITUTE OF TECHNOLOGY

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**Department of Master of Computer Applications**

**LIST OF ELECTIVES OFFERED, CHOICE EXERCISED BY STUDENTS**

**SRKIT / MCA / 73**

**Academic Year: 2023-24** **Year/ Semester: II/II**

| S No | ROLL NO | Professional Elective- IV | | | | | Signature of the Student |
|---|---|---|---|---|---|---|---|
| | | Subject:1 NP | Subject:2 BCT | Subject:3 STM | Subject:4 BDA | Subject:5 MOOCS-2 | |
| 1 | 22X41F0001 | | | ✓ | | | A. Sudhamayi |
| 2 | 22X41F0002 | | | ✓ | | | A Rama |
| 3 | 22X41F0003 | | | ✓ | | | A. Vasavi |
| 4 | 22X41F0004 | | | ✓ | | | B. Praveen. |
| 5 | 22X41F0005 | | | ✓ | | | B.V.S. Lalitha |
| 6 | 22X41F0006 | | | ✓ | | | B. Mohan |
| 7 | 22X41F0007 | | | ✓ | | | B Sivashankar |
| 8 | 22X41F0008 | | | ✓ | | | B. Sai kumar |
| 9 | 22X41F0009 | | | ✓ | | | B. Bhargava Re |
| 10 | 22X41F0010 | | | ✓ | | | B. Nikitha |
| 11 | 22X41F0011 | | | ✓ | | | Ch. Hasini |
| 12 | 22X41F0012 | | | ✓ | | | Ch. Shruthi |
| 13 | 22X41F0013 | | | ✓ | | | Ch. Nani |
| 14 | 22X41F0014 | | | ✓ | | | D. Pavani |
| 15 | 22X41F0015 | | | ✓ | | | D. Anitha. |
| 16 | 22X41F0016 | | | ✓ | | | G. Mounika |
| 17 | 22X41F0017 | | | ✓ | | | G. Poornima |
| 18 | 22X41F0018 | | | ✓ | | | I. Renuka |
| 19 | 22X41F0019 | | | ✓ | | | J. Sayad |
| 20 | 22X41F0020 | | | ✓ | | | J. Vinay. |
| 21 | 22X41F0021 | | | ✓ | | | K. D |
| 22 | 22X41F0022 | | | ✓ | | | K.V.D. Prasad |
| 23 | 22X41F0023 | | | ✓ | | | K.V. Sai Rohini |
| 24 | 22X41F0024 | | | ✓ | | | G. Ramu |
| 25 | 22X41F0025 | | | ✓ | | | K. Chandrasekha |
| 26 | 22X41F0026 | | | ✓ | | | K. Mahendra |
| 27 | 22X41F0027 | | | ✓ | | | K. Kamal |
| 28 | 22X41F0028 | | | ✓ | | | K. Sai Ram |
| 29 | 22X41F0029 | | | ✓ | | | K. Harish |
| 30 | 22X41F0030 | | | ✓ | | | K. Madhavi |
| 31 | 22X41F0031 | | | ✓ | | | K. Bindu |
| 32 | 22X41F0032 | | | ✓ | | | K. Bhavitha |
| 33 | 22X41F0033 | | | ✓ | | | L. Lakshmi Thirupa |

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**Department of Master of Computer Applications**

**LIST OF ELECTIVES OFFERED, CHOICE EXERCISED BY STUDENTS**

**SRKIT / MCA / 73**

| S No | ROLL NO | Professional Elective- IV | | | | | Signature of the Student |
|---|---|---|---|---|---|---|---|
| | | Subject:1 NP | Subject:2 BCT | Subject:3 STM | Subject:4 BDA | Subject:5 MOOCS-2 | |
| 34 | 22X41F0034 | | | ✓ | | | L.Sravani |
| 35 | 22X41F0035 | | | ✓ | | | |
| 36 | 22X41F0036 | | | ✓ | | | M.Bhagavan Ram |
| 37 | 22X41F0037 | | | ✓ | | | M.Sheela |
| 38 | 22X41F0038 | | | ✓ | | | M.Pravallika |
| 39 | 22X41F0039 | | | ✓ | | | M.S.K |
| 40 | 22X41F0040 | | | ✓ | | | M.Vishnavi |
| 41 | 22X41F0041 | | | ✓ | | | MD.Zeenath. |
| 42 | 22X41F0042 | | | ✓ | | | N.K.Qadry |
| 43 | 22X41F0043 | | | ✓ | | | P.Lalitha |
| 44 | 22X41F0044 | | | ✓ | | | P.Naideepika. |
| 45 | 22X41F0045 | | | ✓ | | | P.Durga Vinath |
| 46 | 22X41F0046 | | | ✓ | | | P.Hemalatha |
| 47 | 22X41F0047 | | | ✓ | | | P.Bhuvaneswari |
| 48 | 22X41F0048 | | | ✓ | | | P.Rajyalakshmi |
| 49 | 22X41F0049 | | | ✓ | | | G.Sharmi |
| 50 | 22X41F0050 | | | ✓ | | | P.Gopi |
| 51 | 22X41F0051 | | | ✓ | | | P.Sandhyakumari |
| 52 | 22X41F0052 | | | ✓ | | | R.R |
| 53 | 22X41F0053 | | | ✓ | | | R.Anith |
| 54 | 22X41F0054 | | | ✓ | | | S.Venavani |
| 55 | 22X41F0055 | | | ✓ | | | S.Kareemunnisa |
| 56 | 22X41F0056 | | | ✓ | | | S.Akhila |
| 57 | 22X41F0057 | | | ✓ | | | Sd.Khaleesha |
| 58 | 22X41F0058 | | | ✓ | | | Sk.Moulali |
| 59 | 22X41F0059 | | | ✓ | | | S.Chandrasekhar |
| 60 | 22X41F0060 | | | ✓ | | | T.Soniya |
| 61 | 22X41F0061 | | | ✓ | | | T.Gayathri |
| 62 | 22X41F0062 | | | ✓ | | | N.Maanasa |
| 63 | 22X41F0063 | | | ✓ | | | V.Pradeep Kumar |
| 64 | 22X41F0064 | | | ✓ | | | V.Pavani |
| 65 | 22X41F0065 | | | ✓ | | | |
| 66 | 22X41F0066 | | | ✓ | | | Y.Sravani |

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**Department of Master of Computer Applications**

## CIRCULAR

Date: 27/12/2023

This is to inform all the students of MCA IV Semester, as per the options given by the students, the departmental academic committee decided to offer **Human Resource Management** subject as Elective - III, and **Software Testing Methodologies** subject as Elective - IV for the academic year 2023-24.Student roll lists for electives are enclosed.

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**DEPARTMENT OF BUSINESS ADMINISTRATION**

## MBA COURSE STRUCTURE MBA-SRK 23

### I YEAR I SEMESTER

| S.No | Course Code | Courses | Marks | L | T | P | C |
|---|---|---|---|---|---|---|---|
| 1 | C-101 | Management and Organizational Behavior | 100 | 4 | 0 | 0 | 4 |
| 2 | C-102 | Managerial Economics | 100 | 4 | 0 | 0 | 4 |
| 3 | C-103 | Accounting for Managers | 100 | 4 | 0 | 0 | 4 |
| 4 | C-104 | Quantitative Analysis for Business Decisions | 100 | 4 | 0 | 0 | 4 |
| 5 | C-105 | Legal and Business Environment | 100 | 4 | 0 | 0 | 4 |
| 6 | C-106 | Business Communication andSoft skills | 100 | 4 | 0 | 0 | 4 |
| 7 | C-107 Open Elective | Cross Cultural ManagementRural Innovation projects MOOCs : SWAYAM/NPTEL- Related to Management Courses other than listed courses in thesyllabus | 100 | 4 | 0 | 0 | 4 |
| 8 | C-108 | Business Communication and Soft skills Lab | 50 | 0 | 0 | 2 | 2 |
| 9 | C-109 | Information Technology – Lab1(Spreadsheet and Tally) | 50 | 0 | 0 | 2 | 2 |
| | | **Total** | **800** | **28** | **0** | **4** | **32** |

### I YEAR II SEMESTER

| S No | Course Code | Courses | Marks | L | T | P | C |
|---|---|---|---|---|---|---|---|
| 1 | C-201 | Financial Management | 100 | 4 | 0 | 0 | 4 |
| 2 | C-202 | Human Resource Management | 100 | 4 | 0 | 0 | 4 |
| 3 | C-203 | Marketing Management | 100 | 4 | 0 | 0 | 4 |
| 4 | C-204 | Operations Management | 100 | 4 | 0 | 0 | 4 |
| 5 | C-205 | Business Research Methods | 100 | 4 | 0 | 0 | 4 |
| 6 | C-206 open elective | Project Management Technology Management Lean Management Database Management System | 100 | 4 | 0 | 0 | 4 |
| 7 | C-207 | IT-lab 2(Programming R ) | 50 | 0 | 0 | 2 | 2 |
| | | **Total** | **650** | **24** | **0** | **2** | **26** |

CHAIRMAN
Board of Studies
Dept. of Business Administration
SRK Institute of Technology
Enikepadu, Vijayawada
Andhra Pradesh, India-Pin 521 108.

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DEPARTMENT OF BUSINESS ADMINISTRATION

Date-04-10-2023

This is to inform all the students of I MBA, as per the Academic Regulations of SRK23 First semester MBA students have to choose one open elective course among three courses given in course structure by SRK23, hence all the students are instructed to choose one open elective among three courses on or before 07/10/2023. The details of options along with detailed course syllabus are attached.

**Encl:** Detailed optional courses for Open elective.

**Class In-charge**

**HOD-MBA**

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DEPARTMENT OF BUSINESS ADMINISTRATION

ACADEMIC YEAR 2023-2024

## MBA I YEAR I SEMESTER
## OPEN ELECTIVES OFFERED SHEET

| S.No | Roll No. | Name of the Student | CCM | RIP | MOOCS: SWAYAM / NPTEL | STUDENT SIGNATURE |
|---|---|---|---|---|---|---|
| 1 | 23X41E0001 | ADAPA DURGA BHAVANI | ✓ | | | A. Durga Bhavani |
| 2 | 23X41E0002 | AMALAPURAPU KISHORE | ✓ | | | A. Kishore |
| 3 | 23X41E0003 | BANDI VENKATA GANESH | ✓ | | | B. Venkata Ganesh |
| 4 | 23X41E0004 | BEDHAMPUDI MERCY ROSE | ✓ | | | B. Mercy Rose |
| 5 | 23X41E0005 | BONALA MOUNIKA | ✓ | | | B. Mounika |
| 6 | 23X41E0006 | BONULA SWAROOPA | ✓ | | | B. Swaroopa |
| 7 | 23X41E0007 | BURRALA NAGA LAKSHMI | ✓ | | | B. Naga Lakshmi |
| 8 | 23X41E0008 | BUSUPU RAGHURAM | ✓ | | | B. Raghu Ram. |
| 9 | 23X41E0009 | Ch VENKATA SHIVA SAILAJA | ✓ | | | Ch. Sailaja |
| 10 | 23X41E0010 | CH KUSUMA KUMARI | ✓ | | | CH. Kusuma Kumari |
| 11 | 23X41E0011 | CHANDULURI KRISHNA SAI | ✓ | | | C. Krishna Sai |
| 12 | 23X41E0012 | CHILAKALA KHADER VALI | ✓ | | | Ch. Khader Valli |
| 13 | 23X41E0013 | CHILAKAPATI SAI AKHILA | | ✓ | | C. Sai Akhila |
| 14 | 23X41E0014 | CHOWTAPALLI ANDREWS | ✓ | | | C. Andrews |
| 15 | 23X41E0015 | DAKOJU ANVITHA | ✓ | | | D. Anvitha |
| 16 | 23X41E0016 | DASARI MADHUSREE | ✓ | | | D. Madhusri |
| 17 | 23X41E0017 | GANJALA NAGA SRI LAKSHMI | ✓ | | | G. Sri Lakshmi |
| 18 | 23X41E0018 | GANJIKOLLA MALLIKARJUNA | ✓ | | | G. Naga Srilakshmi |
| 19 | 23X41E0019 | GARLAPATI TARUN | ✓ | | | G. Tarun |
| 20 | 23X41E0020 | GOVADA BEULAH MADHURYA | ✓ | | | G. Beulah Madhurya |

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DEPARTMENT OF BUSINESS ADMINISTRATION

| S.No | Roll No. | Name of the Student | CCM | RIP | MOOCS: SWAYAM / NPTEL | STUDENT SIGNATURE |
|---|---|---|---|---|---|---|
| 21 | 23X41E0021 | GUDISE BALESWARI | ✓ | | | G. Baleswari |
| 22 | 23X41E0022 | GUMMADI UDAY KIRAN | ✓ | | | G. Uday Kiran |
| 23 | 23X41E0023 | GUMMADI VARALAKSHMI | ✓ | | | G. Varalakshmi |
| 24 | 23X41E0024 | GUNTURU SREE RADHA | ✓ | | | G. Sree Radha |
| 25 | 23X41E0025 | J SAI LAKSHMI SNEHA LATHA | ✓ | | | Sneha Latha |
| 26 | 23X41E0026 | KADIAM ANIL KUMAR | ✓ | | | K. Anil Kumar |
| 27 | 23X41E0027 | KAILE MAHESH BABU | ✓ | | | K. Mahesh Babu |
| 28 | 23X41E0028 | K MOHANABATHI REDDY | ✓ | | | K. Mohanabathi Reddy |
| 29 | 23X41E0029 | KAMBHAMPATI LILLY PUSHPA | ✓ | | | K. Lillypushpa |
| 30 | 23X41E0030 | KANCHARLA SAI VINAY | | ✓ | | K. Sai Vinay |
| 31 | 23X41E0031 | KANUDUKURI UDAY KIRAN | | ✓ | | K. Uday Kiran |
| 32 | 23X41E0032 | KARRI CHAITANYA DATTA | ✓ | | | Chaitanya Datta |
| 33 | 23X41E0033 | K MANOJ KUMAR YADAV | ✓ | | | K. Manoj |
| 34 | 23X41E0034 | KOTA LAKSHMI NARAYANA | ✓ | | | Lakshminarayana |
| 35 | 23X41E0035 | LOKAM SRI NAGA PRIYA | ✓ | | | L. Sri Naga Priya |
| 36 | 23X41E0036 | MADDA SRAVANI | ✓ | | | M. Sravani |
| 37 | 23X41E0037 | MARISETTY SINDHU | ✓ | | | M. Sindhu |
| 38 | 23X41E0038 | MOKA RAJESH | ✓ | | | M. Rajesh |
| 39 | 23X41E0039 | MUTHIREDDY SYAM TARUN | ✓ | | | M. Tarun |
| 40 | 23X41E0040 | NAGOTHI BHARGAVI REKHA | | ✓ | | Bhargavi Rekha. N. |
| 41 | 23X41E0041 | NIMMALA BHARGAVI | | ✓ | | N. Bhargavi |
| 42 | 23X41E0042 | PAMARTHI ADITHYA VARDHAN | ✓ | | | P. Adithya |
| 43 | 23X41E0043 | PANAMGIPALLI MEHER NIKITHA | ✓ | | | P. Meher Nikitha |
| 44 | 23X41E0044 | PAPIREDDY PRAKASH REDDY | | ✓ | | P. Prakash Reed |

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DEPARTMENT OF BUSINESS ADMINISTRATION

| S.No | Roll No. | Name of the Student | CCM | RIP | MOOCS: SWAYAM / NPTEL | STUDENT SIGNATURE |
|---|---|---|---|---|---|---|
| 45 | 23X41E0045 | PASAM VENKATA SAI SUKESH | | ✓ | | P. Venkata Sai Sukesh |
| 46 | 23X41E0046 | PITTU RAMYA | ✓ | | | P. Ramya |
| 47 | 23X41E0047 | POTHUBOINA LATHA | ✓ | | | P. Latha |
| 48 | 23X41E0048 | R.DURGA SAI MANIKANTA | ✓ | | | R. Manikanta |
| 49 | 23X41E0049 | S BHAVANA SAI PADMA | ✓ | | | S Bhavana Sai padma |
| 50 | 23X41E0050 | SHAIK MOHABOOB SUBHANI | ✓ | | | Sk.M. subhani |
| 51 | 23X41E0051 | SIMHADRI KEERTHI SRIVALLI | ✓ | | | S. Keerthi |
| 52 | 23X41E0052 | T TEJA ALEKHYA | ✓ | | | Alekhya.T |
| 53 | 23X41E0053 | VAGUDANI KONDA BABU | ✓ | ✓ | | V. Konda Babu |
| 54 | 23X41E0054 | VALISETTI NAGA RAMYA | ✓ | | | V. Naga Ramya |
| 55 | 23X41E0055 | VARADA MANIKANTA | ✓ | | | V. Manikanta |
| 56 | 23X41E0056 | VEERAM SRIJA | | ✓ | | V. Srija |
| 57 | 23X41E0057 | VELPULA KOWSHIK | ✓ | | | V. Kowshik |
| 58 | 23X41E0058 | V UMAGANESH | ✓ | | | V. Umaganesh |
| 59 | 23X41E0059 | YAGANTI VENKATA GOPI | ✓ | | | Y. V. Gopi |
| 60 | 23X41E0060 | YAMARTHI MONIKA | ✓ | | | Y. Monika |
| 61 | 23X41E0061 | YEMINENI VENKATESH | ✓ | | | Y. Venkatesh |
| 62 | 23X41E0062 | N LAKSHMAN | ✓ | | | N. V. Sai lakshman |
| 63 | 23X41E0063 | K SWATHI | ✓ | | | K. Swathi |
| 64 | 23X41E0064 | VEMPADAPU SAI | | | | V. Sai |

DATE: 9/10/23

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**AY 2023-2024**

## I MBA I SEMESTER ELECTIVES OPTED LIST

| S.No. | Roll No. | Name of the Student | CHOOSEN SUBJECT/ ELECTIVE |
|---|---|---|---|
| 1 | 23X41E0001 | ADAPA DURGA BHAVANI | CROSS CULTURAL MANAGEMENT (C-107A) |
| 2 | 23X41E0002 | AMALAPURAPU KISHORE | CROSS CULTURAL MANAGEMENT (C-107A) |
| 3 | 23X41E0003 | BANDI VENKATA GANESH | CROSS CULTURAL MANAGEMENT (C-107A) |
| 4 | 23X41E0004 | BEDHAMPUDI MERCY ROSE | CROSS CULTURAL MANAGEMENT (C-107A) |
| 5 | 23X41E0005 | BONALA MOUNIKA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 6 | 23X41E0006 | BONULA SWAROOPA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 7 | 23X41E0007 | BURRALA NAGA LAKSHMI | CROSS CULTURAL MANAGEMENT (C-107A) |
| 8 | 23X41E0008 | BUSUPU RAGHURAM | CROSS CULTURAL MANAGEMENT (C-107A) |
| 9 | 23X41E0009 | Ch VENKATA SHIVA SAILAJA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 10 | 23X41E0010 | CH KUSUMA KUMARI | CROSS CULTURAL MANAGEMENT (C-107A) |
| 11 | 23X41E0011 | CHANDULURI KRISHNA SAI | CROSS CULTURAL MANAGEMENT (C-107A) |
| 12 | 23X41E0012 | CHILAKALA KHADER VALI | CROSS CULTURAL MANAGEMENT (C-107A) |
| 13 | 23X41E0013 | CHILAKAPATI SAI AKHILA | RURAL INNOVATION PROJECTS (C-107B) |
| 14 | 23X41E0014 | CHOWTAPALLI ANDREWS | CROSS CULTURAL MANAGEMENT (C-107A) |
| 15 | 23X41E0015 | DAKOJU ANVITHA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 16 | 23X41E0016 | DASARI MADHUSREE | CROSS CULTURAL MANAGEMENT (C-107A) |
| 17 | 23X41E0017 | GANJALA NAGA SRI LAKSHMI | CROSS CULTURAL MANAGEMENT (C-107A) |
| 18 | 23X41E0018 | GANJIKOLLA MALLIKARJUNA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 19 | 23X41E0019 | GARLAPATI TARUN | CROSS CULTURAL MANAGEMENT (C-107A) |
| 20 | 23X41E0020 | GOVADA BEULAH MADHURYA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 21 | 23X41E0021 | GUDISE BALESWARI | CROSS CULTURAL MANAGEMENT (C-107A) |

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| | | | |
|---|---|---|---|
| 22 | 23X41E0022 | GUMMADI UDAY KIRAN | CROSS CULTURAL MANAGEMENT (C-107A) |
| 23 | 23X41E0023 | GUMMADI VARALAKSHMI | CROSS CULTURAL MANAGEMENT (C-107A) |
| 24 | 23X41E0024 | GUNTURU SREE RADHA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 25 | 23X41E0025 | J SAI LAKSHMI SNEHA LATHA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 26 | 23X41E0026 | KADIAM ANIL KUMAR | CROSS CULTURAL MANAGEMENT (C-107A) |
| 27 | 23X41E0027 | KAILE MAHESH BABU | CROSS CULTURAL MANAGEMENT (C-107A) |
| 28 | 23X41E0028 | K MOHANABATHI REDDY | CROSS CULTURAL MANAGEMENT (C-107A) |
| 29 | 23X41E0029 | KAMBHAMPATI LILLY PUSHPA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 30 | 23X41E0030 | KANCHARLA SAI VINAY | RURAL INNOVATION PROJECTS (C-107B) |
| 31 | 23X41E0031 | KANUDUKURI UDAY KIRAN | RURAL INNOVATION PROJECTS (C-107B) |
| 32 | 23X41E0032 | KARRI CHAITANYA DATTA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 33 | 23X41E0033 | K MANOJ KUMAR YADAV | CROSS CULTURAL MANAGEMENT (C-107A) |
| 34 | 23X41E0034 | KOTA LAKSHMI NARAYANA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 35 | 23X41E0035 | LOKAM SRI NAGA PRIYA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 36 | 23X41E0036 | MADDA SRAVANI | CROSS CULTURAL MANAGEMENT (C-107A) |
| 37 | 23X41E0037 | MARISETTY SINDHU | CROSS CULTURAL MANAGEMENT (C-107A) |
| 38 | 23X41E0038 | MOKA RAJESH | CROSS CULTURAL MANAGEMENT (C-107A) |
| 39 | 23X41E0039 | MUTHIREDDY SYAM TARUN | CROSS CULTURAL MANAGEMENT (C-107A) |
| 40 | 23X41E0040 | NAGOTHI BHARGAVI REKHA | RURAL INNOVATION PROJECTS (C-107B) |
| 41 | 23X41E0041 | NIMMALA BHARGAVI | RURAL INNOVATION PROJECTS (C-107B) |
| 42 | 23X41E0042 | PAMARTHI ADITHYA VARDHAN | CROSS CULTURAL MANAGEMENT (C-107A) |
| 43 | 23X41E0043 | PANAMGIPALLI MEHER NIKITHA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 44 | 23X41E0044 | PAPIREDDY PRAKASH REDDY | RURAL INNOVATION PROJECTS (C-107B) |
| 45 | 23X41E0045 | PASAM VENKATA SAI SUKESH | RURAL INNOVATION PROJECTS (C-107B) |

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| | | | |
|---|---|---|---|
| 46 | 23X41E0046 | PITTU RAMYA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 47 | 23X41E0047 | POTHUBOINA LATHA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 48 | 23X41E0048 | R.DURGA SAI MANIKANTA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 49 | 23X41E0049 | S BHAVANA SAI PADMA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 50 | 23X41E0050 | SHAIK MOHABOOB SUBHANI | CROSS CULTURAL MANAGEMENT (C-107A) |
| 51 | 23X41E0051 | SIMHADRI KEERTHI SRIVALLI | CROSS CULTURAL MANAGEMENT (C-107A) |
| 52 | 23X41E0052 | T TEJA ALEKHYA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 53 | 23X41E0053 | VAGUDANI KONDA BABU | CROSS CULTURAL MANAGEMENT (C-107A) |
| 54 | 23X41E0054 | VALISETTI NAGA RAMYA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 55 | 23X41E0055 | VARADA MANIKANTA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 56 | 23X41E0056 | VEERAM SRIJA | RURAL INNOVATION PROJECTS (C-107B) |
| 57 | 23X41E0057 | VELPULA KOWSHIK | CROSS CULTURAL MANAGEMENT (C-107A) |
| 58 | 23X41E0058 | V UMAGANESH | CROSS CULTURAL MANAGEMENT (C-107A) |
| 59 | 23X41E0059 | YAGANTI VENKATA GOPI | CROSS CULTURAL MANAGEMENT (C-107A) |
| 60 | 23X41E0060 | YAMARTHI MOUNIKA | CROSS CULTURAL MANAGEMENT (C-107A) |
| 61 | 23X41E0061 | YEMINENI VENKATESH | CROSS CULTURAL MANAGEMENT (C-107A) |
| 62 | 23X41E0062 | N LAKSHMAN | CROSS CULTURAL MANAGEMENT (C-107A) |
| 63 | 23X41E0063 | K SWATHI | CROSS CULTURAL MANAGEMENT (C-107A) |
| 64 | 23X41E0064 | VEMPADAPU SAI | CROSS CULTURAL MANAGEMENT (C-107A) |

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## CIRCULAR

**DATE: 09/10/2023**

This is to inform all the students of I MBA I Semester, as a response to the given circular dated on 04/10/2023 to choose electives, 56 students opted 'Cross Cultural Management' and only 8 students opted for 'Rural Innovation projects'. As majority of the students opted 'Cross Cultural Management', the department academic committee decided to offer the same that is 'CCM' subject to all the students.

***

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**Copy to:**

Principal
Staff
Exam cell
Notice board

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**DEPARTMENT OF BUSINESS ADMINISTRATION**

## MBA COURSE STRUCTURE MBA-SRK 23

### I YEAR I SEMESTER

| S.No | Course Code | Courses | Marks | L | T | P | C |
|---|---|---|---|---|---|---|---|
| 1 | C-101 | Management and Organizational Behavior | 100 | 4 | 0 | 0 | 4 |
| 2 | C-102 | Managerial Economics | 100 | 4 | 0 | 0 | 4 |
| 3 | C-103 | Accounting for Managers | 100 | 4 | 0 | 0 | 4 |
| 4 | C-104 | ( antitative Analysis for Business Decisions | 100 | 4 | 0 | 0 | 4 |
| 5 | C-105 | Legal and Business Environment | 100 | 4 | 0 | 0 | 4 |
| 6 | C-106 | Business Communication andSoft skills | 100 | 4 | 0 | 0 | 4 |
| 7 | C-107 Open Elective | Cross Cultural ManagementRural Innovation projects MOOCs : SWAYAM/NPTEL- Related to Management Courses other than listed courses in thes yllabus | 100 | 4 | 0 | 0 | 4 |
| 8 | C-108 | Business Communication and Soft skills Lab | 50 | 0 | 0 | 2 | 2 |
| 9 | C-109 | Information Technology – Lab1(Spreadsheet and Tally) | 50 | 0 | 0 | 2 | 2 |
| | | **Total** | **800** | **28** | **0** | **4** | **32** |

### I YEAR II SEMESTER

| S No | Course Code | Courses | Marks | L | T | P | C |
|---|---|---|---|---|---|---|---|
| 1 | C-201 | Financial Management | 100 | 4 | 0 | 0 | 4 |
| 2 | C-202 | Human Resource Management | 100 | 4 | 0 | 0 | 4 |
| 3 | C-203 | Marketing Management | 100 | 4 | 0 | 0 | 4 |
| 4 | C-204 | Operations Management | 100 | 4 | 0 | 0 | 4 |
| 5 | C-205 | Business Research Methods | 100 | 4 | 0 | 0 | 4 |
| 6 | C-206 open elective | Project Management<br>Technology Management<br>Lean Management<br>Database Management System | 100 | 4 | 0 | 0 | 4 |
| 7 | C-207 | IT-lab 2(Programming R ) | 50 | 0 | 0 | 2 | 2 |
| | | **Total** | **650** | **24** | **0** | **2** | **26** |

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Board of Studies
Dept. of Business Administration
SRK Institute of Technology
Enikepadu, Vijayawada
Andhra Pradesh, India-Pin 521 108.

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Date-26-02-2024

As per the Academic Regulations of SRK23 second semester MBA students have to choose one open elective course among four courses given in course structure by SRK23, hence all the students are instructed to choose one open elective within one week from today. The details of options along with detailed course syllabus are attached.

The following are subjects available for choosing:

1. Project Management
2. Technology Management
3. Lean Management
4. Database Management System

**Encl:** Detailed optional courses for Open elective.

**Class In-charge**

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DEPARTMENT OF BUSINESS ADMINISTRATION

ACADEMIC YEAR 2023-2024

## MBA I YEAR II SEMESTER
## OPEN ELECTIVES OFFERED SHEET

| S.No | Roll No. | Name of the Student | PM | TM | DBMS | LM | STUDENT SIGNATURE |
|---|---|---|---|---|---|---|---|
| 1 | 23X41E0001 | ADAPA DURGA BHAVANI | | ✓ | | | A. Durga Bhavani |
| 2 | 23X41E0002 | AMALAPURAPU KISHORE | | ✓ | | | A. kishore |
| 3 | 23X41E0003 | BANDI VENKATA GANESH | | ✓ | | | B. Venkata Ganesh |
| 4 | 23X41E0004 | BEDHAMPUDI MERCY ROSE | | ✓ | | | B. Mercy Rose. |
| 5 | 23X41E0006 | BONULA SWAROOPA | | ✓ | | | B. Swaroopa |
| 6 | 23X41E0007 | BURRALA NAGA LAKSHMI | | ✓ | | | B. Naga Lakshmi |
| 7 | 23X41E0008 | BUSUPU RAGHURAM | | ✓ | | | B Raghu Ram. |
| 8 | 23X41E0009 | CH. VENKATA SHIVA SAILAJA | | ✓ | | | CH. Sailaja |
| 9 | 23X41E0010 | CH. KUSUMA KUMARI | | ✓ | | | CH. Kusumakumari |
| 10 | 23X41E0011 | CHANDULURI KRISHNA SAI | | ✓ | | | C. Krishna Sai |
| 11 | 23X41E0012 | CHILAKALA KHADER VALI | ✓ | | | | Ch. khader vali |
| 12 | 23X41E0013 | CHILAKAPATI SAI AKHILA | | ✓ | | | C. Sai Akhila |
| 13 | 23X41E0014 | CHOWTAPALLI ANDREWS | | ✓ | | | C. Andrew |
| 14 | 23X41E0015 | DAKOJU ANVITHA | | ✓ | | | D. Anvitha |
| 15 | 23X41E0016 | DASARI MADHUSREE | | ✓ | | | D. Madhu Sri |
| 16 | 23X41E0017 | GANJALA NAGA SRI LAKSHMI | | ✓ | | | G. Nagasrilakshmi |
| 17 | 23X41E0019 | GARLAPATI TARUN | | ✓ | | | G. Tarun |
| 18 | 23X41E0020 | GOVADA BEULAH MADHURYA | | ✓ | | | G. Beulah Madhurya |

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| S.No | Roll No. | Name of the Student | PM | TM | DBMS | LM | STUDENT SIGNATURE |
|---|---|---|---|---|---|---|---|
| 19 | 23X41E0021 | GUDISE BALESWARI | | ✓ | | | G. Baleswari |
| 20 | 23X41E0022 | GUMMADI UDAY KIRAN | | ✓ | | | G. udaykiran. |
| 21 | 23X41E0023 | GUMMADI VARALAKSHMI | | ✓ | | | G. Varalakshmi |
| 22 | 23X41E0024 | GUNTURU SREE RADHA | | ✓ | | | G. Sree Radha |
| 23 | 23X41E0025 | J SAI LAKSHMI SNEHA LATHA | ✓ | ✗ | | | Sneha latha |
| 24 | 23X41E0026 | KADIAM ANIL KUMAR | | ✓ | | | K. Anil Kumar |
| 25 | 23X41E0027 | KAILE MAHESH BABU | | ✓ | | | K. Mahesh Babu. |
| 26 | 23X41E0028 | K MOHANABATHI REDDY | | ✓ | | | K. Mohan Bathi Reddy. |
| 27 | 23X41E0029 | KAMBHAMPATI LILLY PUSHPA | | ✓ | | | K. Lillypushpa |
| 28 | 23X41E0030 | KANCHARLA SAI VINAY | | ✓ | | | K. Saivinay |
| 29 | 23X41E0031 | KANUDUKURI UDAY KIRAN | | ✓ | | | K. udaykiran |
| 30 | 23X41E0032 | KARRI CHAITANYA DATTA | | ✓ | | | chaitanya datta |
| 31 | 23X41E0033 | K MANOJ KUMAR YADAV | | ✓ | | | K. Manoj Kumar |
| 32 | 23X41E0035 | LOKAM SRI NAGA PRIYA | | ✓ | | | L. Srinagapriya |
| 33 | 23X41E0036 | MADDA SRAVANI | | ✓ | | | M. Sravani |
| 34 | 23X41E0037 | MARISETTY SINDHU | | ✓ | | | M. Sindhu |
| 35 | 23X41E0038 | MOKA RAJESH | | ✓ | | | M. Rajesh |
| 36 | 23X41E0039 | MUTHIREDDY SYAM TARUN | | ✓ | | | M. Tarun |
| 37 | 23X41E0040 | NAGOTHI BHARGAVI REKHA | ✓ | | | | Bhargavi Rekha. N. |
| 38 | 23X41E0041 | NIMMALA BHARGAVI | | ✓ | | | N. Bhargavi |
| 39 | 23X41E0042 | PAMARTHI ADITHYA VARDHAN | ✓ | | | | P. Adithaya |
| 40 | 23X41E0043 | PANAMGIPALLI MEHER NIKITHA | | ✓ | | | P. Meher Nikitha |
| 41 | 23X41E0044 | PAPIREDDY PRAKASH REDDY | | ✓ | | | P. Prakash Reddy |

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| S.No | Roll No. | Name of the Student | PM | TM | DBMS | LM | STUDENT SIGNATURE |
|---|---|---|---|---|---|---|---|
| 42 | 23X41E0045 | PASAM VENKATA SAI SUKESH | | ✓ | | | P.V.S. Sukesh |
| 43 | 23X41E0046 | PITTU RAMYA | | ✓ | | | P. Ramya |
| 44 | 23X41E0047 | POTHUBOINA LATHA | | ✓ | | | P. latha |
| 45 | 23X41E0048 | R.DURGA SAI MANIKANTA | | ✓ | | | R. Manikanta |
| 46 | 23X41E0049 | S BHAVANA SAI PADMA | | ✓ | | | S. Bhavana sai padma |
| 47 | 23X41E0050 | SHAIK MOHABOOB SUBHANI | | ✓ | | | Sk. M. Subhani |
| 48 | 23X41E0051 | SIMHADRI KEERTHI SRIVALLI | | ✓ | | | S. Keerthi |
| 49 | 23X41E0052 | T TEJA ALEKHYA | ✓ | | | | Alekhya. T |
| 50 | 23X41E0053 | VAGUDANI KONDA BABU | | ✓ | | | V. Kondababu |
| 51 | 23X41E0054 | VALISETTI NAGA RAMYA | | ✓ | | | V. Naga Ramya |
| 52 | 23X41E0055 | VARADA MANIKANTA | | ✓ | | | V. Manikanta. |
| 53 | 23X41E0056 | VEERAM SRIJA | | ✓ | | | V. Srija |
| 54 | 23X41E0057 | VELPULA KOWSHIK | | ✓ | | | V. Kowshik |
| 55 | 23X41E0058 | V UMAGANESH | | ✓ | | | V. Umaganesh. |
| 56 | 23X41E0059 | YAGANTI VENKATA GOPI | | ✓ | | | Y. V. Gopi |
| 57 | 23X41E0060 | YAMARTHI MONIKA | | ✓ | | | Y. Monika |
| 58 | 23X41E0061 | YEMINENI VENKATESH | | ✓ | | | Y. Venkatesh |
| 59 | 23X41E0062 | N LAKSHMAN | ✓ | | | | N. V. Sai lakshman |
| 60 | 23X41E0063 | K SWATHI | | ✓ | | | K. Swathi |
| 61 | 23X41E0064 | VEMPADAPU SAI | | ✓ | | | V. Sai |

DATE: 4/3/24

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## I MBA II SEMESTER ELECTIVES OPTED LIST

| S.No. | Roll No. | Name of the Student | CHOOSEN SUBJECT/ ELECTIVE |
|---|---|---|---|
| 1 | 23X41E0001 | ADAPA DURGA BHAVANI | TECHNOLOGY MANAGEMENT (C-206B) |
| 2 | 23X41E0002 | AMALAPURAPU KISHORE | TECHNOLOGY MANAGEMENT (C-206B) |
| 3 | 23X41E0003 | BANDI VENKATA GANESH | TECHNOLOGY MANAGEMENT (C-206B) |
| 4 | 23X41E0004 | BEDHAMPUDI MERCY ROSE | TECHNOLOGY MANAGEMENT (C-206B) |
| 5 | 23X41E0006 | BONULA SWAROOPA | TECHNOLOGY MANAGEMENT (C-206B) |
| 6 | 23X41E0007 | BURRALA NAGA LAKSHMI | TECHNOLOGY MANAGEMENT (C-206B) |
| 7 | 23X41E0008 | BUSUPU RAGHURAM | TECHNOLOGY MANAGEMENT (C-206B) |
| 8 | 23X41E0009 | CH VENKATA SHIVA SAILAJA | TECHNOLOGY MANAGEMENT (C-206B) |
| 9 | 23X41E0010 | CH KUSUMA KUMARI | TECHNOLOGY MANAGEMENT (C-206B) |
| 10 | 23X41E0011 | CHANDULURI KRISHNA SAI | TECHNOLOGY MANAGEMENT (C-206B) |
| 11 | 23X41E0012 | CHILAKALA KHADER VALI | PROJECT MANAGEMENT(C-206A) |
| 12 | 23X41E0013 | CHILAKAPATI SAI AKHILA | TECHNOLOGY MANAGEMENT (C-206B) |
| 13 | 23X41E0014 | CHOWTAPALLI ANDREWS | TECHNOLOGY MANAGEMENT (C-206B) |
| 14 | 23X41E0015 | DAKOJU ANVITHA | TECHNOLOGY MANAGEMENT (C-206B) |
| 15 | 23X41E0016 | DASARI MADHUSREE | TECHNOLOGY MANAGEMENT (C-206B) |
| 16 | 23X41E0017 | GANJALA NAGA SRI LAKSHMI | TECHNOLOGY MANAGEMENT (C-206B) |
| 17 | 23X41E0019 | GARLAPATI TARUN | TECHNOLOGY MANAGEMENT (C-206B) |
| 18 | 23X41E0020 | GOVADA BEULAH MADHURYA | TECHNOLOGY MANAGEMENT (C-206B) |
| 19 | 23X41E0021 | GUDISE BALESWARI | TECHNOLOGY MANAGEMENT (C-206B) |
| 20 | 23X41E0022 | GUMMADI UDAY KIRAN ' | TECHNOLOGY MANAGEMENT (C-206B) |
| 21 | 23X41E0023 | GUMMADI VARALAKSHMI | TECHNOLOGY MANAGEMENT (C-206B) |
| 22 | 23X41E0024 | GUNTURU SREE RADHA | TECHNOLOGY MANAGEMENT (C-206B) |
| 23 | 23X41E0025 | J SAI LAKSHMI SNEHA LATHA | PROJECT MANAGEMENT(C-206A) |
| 24 | 23X41E0026 | KADIAM ANIL KUMAR | TECHNOLOGY MANAGEMENT (C-206B) |

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| 25 | 23X41E0027 | KAILE MAHESH BABU | TECHNOLOGY MANAGEMENT (C-206B) |
| 26 | 23X41E0028 | K MOHANABATHI REDDY | TECHNOLOGY MANAGEMENT (C-206B) |
| 27 | 23X41E0029 | KAMBHAMPATI LILLY PUSHPA | TECHNOLOGY MANAGEMENT (C-206B) |
| 28 | 23X41E0030 | KANCHARLA SAI VINAY | TECHNOLOGY MANAGEMENT (C-206B) |
| 29 | 23X41E0031 | KANUDUKURI UDAY KIRAN | TECHNOLOGY MANAGEMENT (C-206B) |
| 30 | 23X41E0032 | KARRI CHAITANYA DATTA | TECHNOLOGY MANAGEMENT (C-206B) |
| 31 | 23X41E0033 | K MANOJ KUMAR YADAV | TECHNOLOGY MANAGEMENT (C-206B) |
| 32 | 23X41E0035 | LOKAM SRI NAGA PRIYA | TECHNOLOGY MANAGEMENT (C-206B) |
| 33 | 23X41E0036 | MADDA SRAVANI | TECHNOLOGY MANAGEMENT (C-206B) |
| 34 | 23X41E0037 | MARISETTY SINDHU | TECHNOLOGY MANAGEMENT (C-206B) |
| 35 | 23X41E0038 | MOKA RAJESH | TECHNOLOGY MANAGEMENT (C-206B) |
| 36 | 23X41E0039 | MUTHIREDDY SYAM TARUN | TECHNOLOGY MANAGEMENT (C-206B) |
| 37 | 23X41E0040 | NAGOTHI BHARGAVI REKHA | PROJECT MANAGEMENT(C-206A) |
| 38 | 23X41E0041 | NIMMALA BHARGAVI | TECHNOLOGY MANAGEMENT (C-206B) |
| 39 | 23X41E0042 | PAMARTHI ADITHYA VARDHAN | PROJECT MANAGEMENT(C-206A) |
| 40 | 23X41E0043 | PANAMGIPALLI MEHER NIKITHA | TECHNOLOGY MANAGEMENT (C-206B) |
| 41 | 23X41E0044 | PAPIREDDY PRAKASH REDDY | TECHNOLOGY MANAGEMENT (C-206B) |
| 42 | 23X41E0045 | PASAM VENKATA SAI SUKESH | TECHNOLOGY MANAGEMENT (C-206B) |
| 43 | 23X41E0046 | PITTU RAMYA | TECHNOLOGY MANAGEMENT (C-206B) |
| 44 | 23X41E0047 | POTHUBOINA LATHA | TECHNOLOGY MANAGEMENT (C-206B) |
| 45 | 23X41E0048 | R.DURGA SAI MANIKANTA | TECHNOLOGY MANAGEMENT (C-206B) |
| 46 | 23X41E0049 | S BHAVANA SAI PADMA | TECHNOLOGY MANAGEMENT (C-206B) |
| 47 | 23X41E0050 | SHAIK MOHABOOB SUBHANI | TECHNOLOGY MANAGEMENT (C-206B) |
| 48 | 23X41E0051 | SIMHADRI KEERTHI SRIVALLI | TECHNOLOGY MANAGEMENT (C-206B) |
| 49 | 23X41E0052 | T TEJA ALEKHYA | PROJECT MANAGEMENT(C-206A) |
| 50 | 23X41E0053 | VAGUDANI KONDA BABU | TECHNOLOGY MANAGEMENT (C-206B) |
| 51 | 23X41E0054 | VALISETTI NAGA RAMYA | TECHNOLOGY MANAGEMENT (C-206B) |

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|---|---|---|---|
| 52 | 23X41E0055 | VARADA MANIKANTA | TECHNOLOGY MANAGEMENT (C-206B) |
| 53 | 23X41E0056 | VEERAM SRIJA | TECHNOLOGY MANAGEMENT (C-206B) |
| 54 | 23X41E0057 | VELPULA KOWSHIK | TECHNOLOGY MANAGEMENT (C-206B) |
| 55 | 23X41E0058 | V UMAGANESH | TECHNOLOGY MANAGEMENT (C-206B) |
| 56 | 23X41E0059 | YAGANTI VENKATA GOPI | TECHNOLOGY MANAGEMENT (C-206B) |
| 57 | 23X41E0060 | YAMARTHI MOUNIKA | TECHNOLOGY MANAGEMENT (C-206B) |
| 58 | 23X41E0061 | YEMINENI VENKATESH | TECHNOLOGY MANAGEMENT (C-206B) |
| 59 | 23X41E0062 | N LAKSHMAN | PROJECT MANAGEMENT(C-206A) |
| 60 | 23X41E0063 | K SWATHI | TECHNOLOGY MANAGEMENT (C-206B) |
| 61 | 23X41E0064 | VEMPADAPU SAI | TECHNOLOGY MANAGEMENT (C-206B) |

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## CIRCULAR

**DATE: 04/03/2024**

This is to inform all the students of I MBA II Semester, as a response to the given circular dated on 26/02/2024 to choose electives, 55 students opted 'Technology Management' and only 6 students opted for 'Project Management'. As majority of the students opted 'Technology Management' the department academic committee decided to offer the same subject to all the students.

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