




JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
Kakinada-533003, Andhra Pradesh (India)

Program wise Curriculum Analysis of (R16)

| Program Code | Program Name | No of Courses having focus on | | | Total Courses | Percentage |
|--------------|--------------|-------------------------------|------------------|-------------------|---------------|------------|
| | | Employability | Entrepreneurship | Skill development | | |
| 34 | M.TECH-AEPS | 8 | 02 | 05 | 33 | 45 |
| | | | | | | |


Coordinator


Professor & Head
Dept. of Elec. & Electronics Engg.
University College of Engg.
J.N.T. University Kakinada
KAKINADA-533 003.


REGISTRAR
J.N.T. University Kakinada
Kakinada-533003



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis(R16)

Program Code: 34

Program Name: M.Tech – ADVANCED ELECTRICAL POWER SYSTEMS

Year: I

Semester: I

| Course code | Course name | Employability (Yes/No) | Entrepreneurs hip (Yes/No) | Skill developme nt (Yes/No) |
|--------------|---|------------------------|----------------------------|-----------------------------|
| R161101 | Microprocessors & Microcontrollers | | | |
| R161102 | HVDC Transmission | | | |
| R161103 | Power System Operation and Control | | | |
| R161104 | Reactive Power Compensation & Management | | | |
| R161105A | Electrical Distribution Systems | | | |
| R161105B | EHVAC Transmission | | | |
| R161105C | Analysis of Power Electronics Converters | | | |
| R161105D | Renewable Energy Systems | YES | | |
| R161105E | Artificial Intelligence Techniques | YES | | |
| R161106A | Power System Security | YES | | |
| R161106B | Advanced Digital Signal Processing | YES | | |
| R161106C | Generation & Measurement of High Voltages | | | |
| R161106D | Programmable Logic Controllers & Applications | YES | | |
| R161106E | Modern Control Theory | YES | | |
| R161107 | Simulation Laboratory | | | YES |
| Total | | 6 | | 1 |



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis(R16)

Program Code: 34

Program Name: M.Tech -ADVANCED ELECTRICAL POWER SYSTEMS

Year:II

Semester: I

| Course code | Course name | Employability (Yes/No) | Entrepreneurship (Yes/No) | Skill development (Yes/No) |
|-------------|-------------------------|------------------------|---------------------------|----------------------------|
| R162101 | Comprehensive Viva-Voce | | | |
| R162102 | Seminar – I | | YES | |
| R162103 | Project Work – I | | | YES |
| | | | | |
| | | Total | 01 | 01 |



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis (R16)

Program Code: 34

Program Name: M.Tech -ADVANCED ELECTRICAL POWER SYSTEMS

Semester: II

| Course code | Course name | Employability (Yes/No) | Entrepreneur ship (Yes/No) | Skill development (Yes/No) |
|-------------|-------------------|---------------------------|-------------------------------|-------------------------------|
| R162201 | Seminar – II | | | |
| R162202 | Project Work – II | | YES | YES |
| | | | 01 | 01 |