SCHOOL OF ENGINEERING AND TECHNOLOGY SRI PADMAVATI MAHILA VISVAVIDYALAYAM SCHEME OF INSTRUCTION AND EVALUATION OF M.TECH (AI & DS) DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING **R24 REGULATIONS**

I YEAR - I SEMESTER

| - 15) | | | | | TH | EOR | Y | | | | | | |
|-------|----------|----------|---|----|------|-----|---------|------------|-------------------|-------------|----------------|----------|-------|
| | | | | н | ours | ner | | | Ev | aluation | | | |
| S.No | Course | | Course Title | | Weel | - | | Intern | al (40 Marl | ks) | Exte | rnal | E |
| | Type | Code | | | | | Credits | Assignment | Te | st | (60 M | arks) | Total |
| | | | | L | T | P | | Max. Marks | Duration (Hrs) | Max. | Duration | Max. | Marks |
| 1 | PC | 24MCST01 | Mathematical Foundations of Data Science | 3 | 0 | 0 | 3 | 10 | 2 | Marks 30 | (Hrs) | Marks 60 | 100 |
| 2 | PC | 24MCST02 | Advances in Artificial Intelligence | 3 | 0 | 0 | 2 | | 911 | 50 | 3 | 00 | 100 |
| 3 | PC | 24MCST03 | Programming for Data Science | 3 | 0 | | 3 | 10 | 2 | 30 | 3 | 60 | 100 |
| 4 | PE | | Professional Elective - I | 2 | 0 | 0 | 3 | 10 | 2 | 30 | 3 | 60 | 100 |
| 5 | PE | | Professional Elective - II | 3 | 0 | 0 | 3 | 10 | 2 | 30 | 3 | 60 | 100 |
| 6 | BS | 24MBST01 | Research Methodology & IPR | 3 | 0 | 0 | 3 | 10 | 2 | 30 | 3 | 60 | 100 |
| 7 | HM | | Audit Course | 3 | 0 | 0 | 3 | 10 | 2 | 30 | 3 | 60 | 100 |
| | Vyor - A | | Pridate Course | 2 | - | - | - | | Satisfac | tory / No | t Satisfactor | | 100 |
| T | | | | PF | RACT | ICA | LS | | | <i>y</i> | - ~ militactoj | J | |

| | | | | н | nure | per | | | Ev | aluation | | | |
|------|----------------|-------------|----------------------------------|----|------|-----|---------|------------|-------------|----------|----------|-------|-------|
| S.No | Course Type | Course Code | Course Title | 1 | Weel | - | Credits | Intern | al (40 Mar) | ks) | Exte | | Total |
| | 71 | | | | | | Creates | Continuous | Te | st | (60 M | arks) | Marks |
| | | | | L | T | P | | Max. Marks | Duration | Max. | Duration | Max. | |
| 8 | 5°C | 24MCSS01 | AI Tools Lab | 0 | 0 | | | | (Hrs) | Marks | (Hrs) | Marks | |
| 9 | PC | | | 0 | 0 | 4 | 2 | 20 | 2 | 20 | 3 | 60 | 100 |
| | | 2 HVICSI 01 | Programming for Data Science Lab | 0 | 0 | 4 | 2 | 20 | 2 | 20 | 2 | | |
| | | | Total | 20 | 0 | 8 | 22 | | - 4 | 20 | 3 | 60 | 100 |
| | | | 1 | | 0 | 0 | 44 | | | | , | | 800 |

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TIRUPATI - 517 502

Chairman (BoS)

DIRECTOR

Department of CSE School of Engineering & Technology School of Engineering & Technology Sri Padmavati Mahila Visvavidyalayan Sri Padmavati Natura Nat

(Women's University) TI 647502

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SCHEME OF INSTRUCTION AND EVALUATION OF M.TECH (AI & DS) DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING **R24 REGULATIONS** I YEAR - II SEMESTER

| | | | | | THE | ORY | 1 | | | | | | |
|------|--------|-------------|------------------------------|---|------|------|---------|------------|----------------|---------------|-------------------|---------------|-------|
| | | | | п | ours | 2011 | | | Ev | aluation | | | |
| | Course | | | | Weel | | | Intern | al (40 Marl | ks) | Exte | rnal | T |
| S.No | | Course Code | Course Title | | WCCF | | Credits | Assignment | Tes | st | (60 M | arks) | Total |
| | Type | | | L | Т | P | | Max. Marks | Duration (Hrs) | Max. Marks | Duration (Hrs) | Max. Marks | Marks |
| 1 | PC | 24MCST04 | Deep Learning | 3 | 0 | 0 | 3 | 10 | 2 | 30 | 3 | 60 | 100 |
| 2 | PC | 24MCST05 | Prompt Engineering | 3 | 0 | 0 | 3 | 10 | 2 | 30 | 3 | 60 | 100 |
| 3 | PE | | Professional Elective - III | 3 | 0 | 0 | 3 | 10 | 2 | 30 | 3 | 60 | 100 |
| 4 | PE | | Professional Elective - IV | 3 | 0 | 0 | 3 | 10 | 2 | 30 | 3 | 60 | 100 |
| 5 | OE | | Open Elective - I | 3 | 0 | 0 | 3 | 10 | 2 | 30 | 3 | 60 | 100 |
| 6 | HM | 24MHMT06 | Entrepreneurship Development | 3 | 0 | 0 | 3 | 10 | 2 | 30 | 3 | 60 | 100 |

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|------|-------|-------|-----|
| PK | ACT | ICA | LS |

| | | | | T. | NI PC | 202 | | | Ev | aluation | | The state of the s | |
|------|--------|-------------|-------------------------------------|----|-------|-------------------|---------|------------|-------------------|---------------|-------------------|--|-------|
| | Course | | Hours per Week | | | Internal (40 Mark | | ks) | Exte | rnal | TD . I | | |
| S.No | Type | Course Code | Course Title | | weel | ` | Credits | Continuous | Te | st | (60 M | arks) | Total |
| 1 | Турс | | | L | T | P | | Max. Marks | Duration (Hrs) | Max. Marks | Duration (Hrs) | Max. Marks | Marks |
| 7 | PC | 24MCSP02 | Deep Learning Lab | 0 | 0 | 4 | 2 | 20 | 2 | 20 | 3 | 60 | 100 |
| 8 | PC | 24MCSP03 | Prompt Engineering Lab using Python | 0 | 0 | 4 | 2 | 20 | 2 | 20 | 3 | 60 | 100 |
| 9 | PC | 24MCSC01 | Term Paper cum Seminar | 0 | 0 | 4 | 2 | 40 | - | - | - | 60 | 100 |
| | | | Total | 18 | 0 | 12 | 24 | | | Total I | | | 900 |

Head of the Department Department of CSE

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DIRECTOR School of Engineering & Tec

School of Engineering & Technology

Sri Padmavati Mahila Visvavi

Tirupati - 517 502

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TIRUPATI - 517502

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| | | | 31 | | THI | EOR | Y | | | | | | |
|----------|--------|-------------|---|----|---|------|---------|---------------|-------------------|---------------|-------------------|---------------|-------|
| | | I I | | н | ours | ner | | | Ev | aluation | | | |
| S.No | Course | C | | | Wee | _ | | Intern | al (40 Mar | ·ks) | Exte | rnal | |
| 0.110 | Type | Course Code | Course Title | | | | Credits | Assignment | Assignment Te | | (60 M | arks) | Total |
| | | <u>J</u> | | L | T | P | | Max. Marks | Duration (Hrs) | Max. Marks | Duration (Hrs) | Max. Marks | Marks |
| 1 | PE | | Professional Elective - V (Mandatory MOOC) | 3 | 0 | 0 | 3 | 10 | 2 | 30 | 3 | 60 | 100 |
| 2 | OE | | Open Elective - II / MOOC | 3 | 0 | 0 | 3 | 10 | 2 | 30 | 3 | 60 | 100 |
| | | | | PF | RAC | ΓICA | LS | | | 50 | 3 | 00 | 100 |
| | | | | н | ours | 202 | | | Ev | aluation | | | |
| CI TAT - | Course | C C . | | | Weel | | | I | nternal | | | | |
| S.No | Type | Course Code | Course Title | | *************************************** | ` | Credits | Continuous | Tes | st | Exter | nal | Total |
| - | | | | L | T | P | | Max. Marks | Duration (Hrs) | Max. Marks | Duration (Hrs) | Max. Marks | Marks |
| 3 | PC | | Comprehensive Viva | - | - | - | 2 | 40 | - | _ | - | 60 | 100 |
| 4 | PC | 24MCSJ01 | Dissertation Phase - I | 0 | 0 | 20 | 10 | 100 | - | _ | _ | - | 100 |
| | | | Total | 6 | 0 | 20 | 18 | | THE L | | | | 400 |

Head

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DIRECTOR

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Chairman (Bos)
Bos Chairman CSE School of Engineering & Technology Sri Padmavati Mahila Visvavidyalayam

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| | | | | | Iı | nternal | External Ex | aluation | |
|------|----------------|-------------|-------------------------|---------|-------|-----------------------|-----------------------|----------|-------|
| S.No | Course Type | Course Code | Course Title | Credits | Chide | Internal Committee | External Dissertation | Viva | Total |
| 1 | PC | 24MCSJ02 | Dissertation Phase - II | 16 | 20 | 20 | 30 | 30 | 100 |

Head of the Department

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SCHOOL OF ENGINEERING AND TECHNOLOGY SRI PADMAVATI MAHILA VISVAVIDYALAYAM SCHEME OF INSTRUCTION AND EVALUATION OF M.TECH (AI & DS) DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING R24 REGULATIONS LIST OF PROFESSIONAL ELECTIVES

PROFESSIONAL ELECTIVE - I

| S. No | Course Code | Course Title |
|-------|---------------------------------------|--|
| 1 | 24MCST06 | Soft Computing |
| 2 | 24MCST07 | Speech and Natural Language Processing |
| 3 | Co. June 1925 Stay, manual control of | Cognitive Science |

PROFESSIONAL ELECTIVE - III

| S. No | Course Code | Course Title |
|-------|-------------|--------------------------|
| 1 | 24MCST12 | Computer Vision |
| 2 | 24MCST13 | Medical Image Processing |
| 3 | 24MCST14 | Reinforcement Learning |

PROFESSIONAL ELECTIVE - V

| S. No | Course Code | Course Title | |
|-------|-------------|----------------|--|
| 1 | 24MCSM01 | Mandatory MOOC | |

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PROFESSIONAL ELECTIVE - II

| S. No | Course Code | Course Title |
|-------|-------------|--|
| 1 | 24MCST09 | Predictive Analytics and Data Mining |
| 2 | 24MCST10 | Applied Machine Learning |
| 3 | 24MCST11 | Building Systems using the Agentic Framework |

PROFESSIONAL ELECTIVE - IV

| S. No | Course Code | Course Title |
|-------|-------------|---------------------------------------|
| 1 | 24MCST15 | Bio-Inspired Artificial Intelligence |
| 2 | | Edge Intelligence |
| 3 | | Augmented Reality and Virtual Reality |

Bos Chairman

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OPEN ELECTIVE - I

| S. No | Course Code | Course Title | Offering |
|-------|--------------------|------------------------------------|----------|
| 1 | 24MCST05 | Prompt Engineering | CSE |
| 2 | 24MECT20 | Advanced Embedded systems | ECE |
| 3 | 24MEET12 | Neural Network & Fuzzy Logic | EEE |
| 4 | 24MMET19 | Industrial Robotics | ME |
| 5 | 24MBST02 | English for Research Paper Writing | BS&H |

OPEN ELECTIVE - II

| S. No | Course Code | | Offering |
|-------|--------------------|-----------------------------------|----------|
| 1 | 24MCST06 | Soft Computing | CSE |
| 2 | 24MECT21 | Communication Networks | ECE |
| 3 | 24MEET17 | Solar Energy Utilization | EEE |
| 4 | | Computer Integrated Manufacturing | ME |
| 5 | 24MHMT07 | Business Analytics | BS&H |

Head of the Department

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Bos Chairman

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(Women's University) TIRUPATI - 517502

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| S. No | Course Code | Course Title | |
|-------|--------------------|---|--|
| 1 | 24MHMT01 | Disaster Management | |
| 3 | 24MHMT02 | Value Education | |
| 5 | 24MHMT03 | Pedagogy Studies | |
| 6 | 24MHMT04 | Stress Management | |
| 7 | | Personality Development through Life Enlightenment Skills | |

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Bos Chairman

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