M. Tech. ICT

## SEMESTER – I

| Sr. No. | Courses Code | Courses | L-T-P | | Credits |
|---|---|---|---|---|---|
| 1 | CS521 | Advanced Data Base Management System | 3-1-0 | C1 | 4 |
| 2 | CS523 | Advanced Computer Architecture | 3-1-0 | C2 | 4 |
| 3 | CS525 | Intelligent System Design | 3-1-0 | C3 | 4 |
| 4 | CS527 | Research Techniques in ICT | 3-1-0 | SEC1 | 4 |
| 5 | --- | Open Elective-1 | 3-0-0 | OE1 | 3 |
| 6 | CS581 | Advanced Data Base Management System Lab | 0-0-3 | C4 | 2 |
| 7 | CS585 | Intelligent System Design Lab | 0-0-3 | C5 | 2 |
| 8 | GP | General Proficiency | ------ | NCC | |
| | | Total Credits | | | 23 |
| | | Total Contact Hours | | 15-4-6 = | 23 |

Open Electives-I
Electives from other school

## SEMESTER II

| Sr. No. | Courses Code | Courses | L-T-P | | Credits |
|---|---|---|---|---|---|
| 1 | -- | Generic Elective | 3-1-0 | GE1 | 4 |
| 2 | CS562 | Knowledge Engineering | 3-0-0 | C6 | 3 |
| 3 | CS 564 | Soft Computing Techniques | 3-0-0 | C7 | 3 |
| 4 | CS 572 | Introduction to Embedded System | 3-0-0 | C8 | 3 |
| 5 | -- | Disciplinary Elective-1 | 3-0-0 | DSE1 | 3 |
| 6 | CS584 | Soft Computing lab | 0-0-3 | C9 | 2 |
| 7 | CS592 | Major Project | 0-0-10 | DP1 | 5 |
| 8 | GP | General Proficiency | ------ | NCC | |
| | | Total Credits | | | 23 |
| | | Total Contact Hours | | 15-1-13 = | 29 |

| | | Electives (1) | | | |
|---|---|---|---|---|---|
| 1 | CS568 | Machine Translation and Learning | | | |
| 2 | CS 570 | Speech Processing | | | |
| 3 | EC477 | Digital Image Processing | | | |
| 4 | CS 566 | Natural Language Processing | | | |
| 5 | CS574 | Any skill based course by NSDC*credits will be decided when the course is run. | | | |

Generic Elective (GE2)

1. MA 402 Modeling and Simulation

## SEMESTER III

| Sr. No. | Courses Code | Courses | L-T-P | | Credits |
|---------|--------------|---------|-------|---|---------|
| 1 | CS661 | Expert System Design | 3-0-0 | C10 | 3 |
| 2 | CS699 | Robotics | 3-0-0 | C11 | 3 |
| 3 | | **Elective 2** | 3-0-0 | DSE2 | 3 |
| 4 | | **Elective 3** | 3-0-0 | DSE3 | 3 |
| 5 | CS683 | Expert System Design Lab | 0-0-3 | C12 | 2 |
| 6 | CS691 | Dissertation Part - I | 0-0-14 | DP2 | 7 |
| 7 | GP | General Proficiency | ------ | NCC | |
| | | Total Credits | | | 21 |
| | | Total Contact Hours | 12-0-17 | 29 | |

| | | Electives ( 2 & 3 ) |
|---|-------|---------------------|
| 1 | CS663 | Intelligent Information Retrieval |
| 2 | CS665 | Pattern Matching |
| 3 | CS 667 | Evolutionary Computation |
| 4 | CS669 | Fuzzy Set Theory |
| 5 | CS671 | Multimedia and Computer Graphics |
| 6 | CS673 | Any skill based course by NSDC*credits will be decided when the course is run. |

## SEMESTER IV

| Sr. No. | Courses Code | Courses | | | Credits |
|---------|--------------|---------|---|---|---------|
| 1 | CS690 | Dissertation Part – II | | DP3 | 23 |
| 2 | GP | General Proficiency | | | 0 |
| | | Total Credits | | | 23 |

GRAND TOTAL CREDITS = 90