

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH. (COMPUTER SCIENCE & ENGINEERING) 2009-10
COURSE STRUCTURE AND SYLLABUS

I YEAR I SEMESTER

| Code | Group | Subject | L | P | Credits |
|------|--------------|---|---|---|---------|
| | | Advanced Problem Solving | 3 | 0 | 3 |
| | | Computer System Design | 3 | 0 | 3 |
| | | Embedded Systems | 3 | 0 | 3 |
| | | Java and Web Technologies | 3 | 0 | 3 |
| | Elective -I | Object Oriented Modeling Software Quality Assurance and Testing Software Architecture and Design Patterns | 3 | 0 | 3 |
| | Elective -II | Software Design and Engineering Advanced Compiler Design Image Processing and Pattern Recognition | 3 | 0 | 3 |
| | Lab | Java and Web Technologies Lab | 0 | 3 | 2 |
| | | Seminar | - | - | 2 |
| | | Total Credits (6 Theory + 1 Lab.) | | | 22 |

I YEAR II SEMESTER

| Code | Group | Subject | L | P | Credits |
|------|---------------|---|---|---|---------|
| | | Distributed Computing | 3 | 0 | 3 |
| | | Distributed Databases | 3 | 0 | 3 |
| | | Advanced Computer Architecture | 3 | 0 | 3 |
| | | Advanced Computer Networks | 3 | 0 | 3 |
| | Elective -III | Web Services Information Retrieval Systems Semantic Web and Social Networks | 3 | 0 | 3 |
| | Elective -IV | Wireless Networks and Mobile Computing Information Security Storage Area Networks | 3 | 0 | 3 |
| | Lab | Databases and Compiler Lab | 0 | 3 | 2 |
| | | Seminar | - | - | 2 |
| | | Total Credits (6 Theory + 1 Lab.) | | | 22 |

II YEAR - I Semester

| Code | Group | Subject | L | P | Credits |
|------|-------|--------------------|---|---|---------|
| | | Comprehensive Viva | - | - | 2 |
| | | Project Seminar | 0 | 3 | 2 |
| | | Project work | - | - | 18 |
| | | Total Credits | | | 22 |

II YEAR - II Semester

| Code | Group | Subject | L | P | Credits |
|------|-------|--------------------------|---|---|---------|
| | | Project work and Seminar | - | - | 22 |
| | | Total Credits | | | 22 |