

BADDI UNIVERSITY OF EMERGING SCIENCES & TECHNOLOGY
INSTITUTE OF ENGINEERING & EMERGING TECHNOLOGIES.

DEPARTMENT OF COMPUTER APPLICATIONS

Integrated MCA + M. Tech. Course

| Scheme of Examination | | | | | | |
|------------------------------|-------------|--|-----------|----------|-----------|----------------|
| SEMESTER: FIRST | | | | | | |
| S. No. | Code | Subject | L | T | P | Credits |
| 1. | PCA-101 | Programming Methodologies with C | 3 | 1 | 6 | 6.5 |
| 2. | PCA-102 | Operating System | 3 | 1 | - | 3.5 |
| 3. | PHU-002 | Effective Communication Skills | 3 | 1 | 6 | 6.5 |
| 4. | PCA-104 | Electronics & B Microprocessors | 3 | 1 | - | 3.5 |
| 5. | PAM-105 | Discrete Mathematics | 3 | 1 | - | 3.5 |
| 6. | PCA-106 | Sports and Extra Curricular Activities | - | - | - | 2.0 |
| Total Credits | | | | | | 25.5 |
| SEMESTER: SECOND | | | | | | |
| S. No. | Code | Subject | L | T | P | Credits |
| 1. | PCA-201 | Data and File Structure | 3 | 1 | 6 | 6.5 |
| 2. | PCA-202 | OOP with C++ | 3 | 1 | - | 3.5 |
| 3. | PCA-203 | System Development Methodology | 3 | 1 | - | 3.5 |
| 4. | PCA-204 | Computer Organization and Architecture | 3 | 1 | - | 3.5 |
| 5. | PCA-205 | Linux and Introduction to Ubuntu | 3 | 1 | - | 3.5 |
| 6. | PCA-206 | Sports and PDP | | | | |
| Total | | | 15 | 5 | 12 | 25.5 |
| SEMESTER: THIRD | | | | | | |
| S. No. | Code | Subject | L | T | P | Credits |
| 1. | PCA-301 | Programming in JAVA | 3 | 1 | - | 3.5 |
| 2. | PCA-302 | Software Engineering | 3 | 1 | - | 3.5 |
| 3. | PCA-303 | Data Storage & Management | 3 | 1 | - | 3.5 |
| 4. | PCA-304 | Client Server Concepts | 3 | 1 | - | 3.5 |
| 5. | PCA-305 | Artificial Intelligence | 3 | 1 | 6 | 6.5 |
| 6. | PCA-306 | Sports and PDP | - | - | - | 2.0 |
| Total | | | 15 | 5 | 12 | 25.5 |
| SEMESTER: Fourth | | | | | | |
| S. No. | Code | Subject | L | T | P | Credits |
| 1. | PCA-401 | Programming with ASP. NET | 3 | 1 | - | 3.5 |
| 2. | PCA-402 | Relational Data Base Management System | 3 | 1 | - | 3.5 |
| 3. | PCA-403 | E-Governance and E-Commerce | 3 | 1 | - | 3.5 |
| 4. | | Elective-II | 3 | 1 | - | 3.5 |
| 5. | PCA-404 | Cryptography and Network Security | 3 | 1 | 6 | 6.5 |
| 6. | PCA-405 | General Proficiency | - | - | - | 2.0 |
| Total | | | 15 | 5 | 12 | 25.5 |

| SEMESTER: Fifth | | | | | | |
|---|-------------|---|-----------|----------|-----------|----------------|
| S. No. | Code | Subject | L | T | P | Credits |
| 1. | PCA-301 | Computer Graphics | 3 | 1 | - | 3.5 |
| 2. | PCA-302 | Software Project Management | 3 | 1 | - | 3.5 |
| 3. | PCA-303 | Business Intelligence | 3 | 1 | - | 3.5 |
| 4. | PCA-304 | Design And Analysis of Algorithms using C++ | 3 | 1 | - | 3.5 |
| 5. | PCA-305 | Elective-II | 3 | 1 | 6 | 6.5 |
| 6. | PCA-306 | Sports and PDP | - | - | - | 2.0 |
| Total | | | 15 | 5 | 12 | 25.5 |
| SEMESTER: Sixth | | | | | | |
| S. No. | Code | Subject | L | T | P | Credits |
| 1. | PCA-601 | Software Development Project | - | - | - | 25 |
| Grand Total Credits Of All Semesters | | | | | | 153.0 |

| SEMESTER: FOURTH | | | | | | |
|-------------------------|-------------|---|----------|----------|----------|----------------|
| S. No. | Code | Subject | L | T | P | Credits |
| 1. | PCA-041 | Introduction to Linux | 3 | 1 | 6 | 6.5 |
| 2. | PCA-042 | Database Management System | 3 | 1 | - | 3.5 |
| 3. | PCA-043 | Computer Networks | 3 | 1 | - | 3.5 |
| 4. | PCA-044 | System Analysis and Design | 3 | 1 | - | 3.5 |
| 5. | PCA-045 | Visual Programming | 3 | 1 | 6 | 6.5 |
| Total Credits | | | | | | 23.5 |
| SEMESTER: FIFTH | | | | | | |
| S. No. | Code | Subject | L | T | P | Credits |
| 1. | PCA-051 | Introduction to Internet Technologies and Web designing | 3 | 1 | 6 | 6.5 |
| 2. | PCA-052 | Object Oriented Programming with Java | 3 | 1 | 6 | 6.5 |

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| 3. | PCA-053 | Computer Organization & Architecture | 3 | 1 | - | 3.5 |
| 4. | PCA-054 | Operation Research | 3 | 1 | - | 3.5 |
| 5. | PCA-055 | Minor Project Lab | - | - | 6 | 3 |
| Total Credits | | | | | | 23 |
| SEMESTER: SIXTH | | | | | | |
| S. No. | Code | Subject | L | T | P | Credits |
| 1. | PCA-061 | Software Engineering | 3 | 1 | - | 3.5 |
| 2. | PCA-062 | System Software | 3 | 1 | - | 3.5 |
| 3. | PCA-063 | Computer Graphics | 3 | 1 | 6 | 6.5 |
| 4. | | Elective-II | 3 | 1 | - | 3.5 |
| 5. | PCA-066 | LAB -XII Major Project Viva Voce | - | - | 6 | 3 |
| Total Credits | | | | | | 20 |