

**PG and Research Department of Computer Science (M. Sc. Computer Science)
2018 -2021 Syllabus**

| Sl. No. | Subject Title | Subject Code |
|----------------|---|---------------------|
| 1 | Design and Analysis of Algorithm | 18PCCS11 |
| 2 | Linux Programming | 18PCCS12 |
| 3 | Python Programming | 18PCCS13 |
| 4 | A) Cloud Computing | 18PECS1A |
| 5 | B) Ad-Hoc and Sensor Networks | 18PECS1B |
| 6 | Linux Programming Lab | 18PCCS1P1 |
| 7 | Python Programming Lab | 18PCCS1P2 |
| 8 | Open Source Technology | 18PCCS21 |
| 9 | Advanced Database Management System | 18PCCS22 |
| 10 | Internet of Things | 18PCCS23 |
| 11 | A) Security Practices | 18PECS2A |
| 12 | B) Cyber Security | 18PECS2B |
| 13 | Open Source Technology Lab | 18PCCS2P1 |
| 14 | Advanced Database Management System Lab | 18PCCS2P2 |
| 15 | Data Mining Concepts and Techniques | 18PCCS31 |
| 16 | Software Testing | 18PCCS32 |
| 17 | Digital Image Processing | 18PCCS33 |
| 18 | A) Mobile Computing | 18PECS3A |
| 19 | B) Social Computing | 18PECS3B |
| 20 | Data Mining Lab | 18PCCS3P1 |
| 21 | Image Processing Lab | 18PCCS3P2 |
| 22 | Big Data Analytics | 18PCCS41 |
| 23 | Soft Computing | 18PCCS42 |
| 24 | Project | 18PCCS43 |
| 25 | A) Artificial Intelligence | 18PECS4A |
| 26 | B) Human Computer Interface | 18PECS4B |
| 27 | Web Programming Lab | 18PCCS4P1 |
| 28 | Big Data Analytics Lab | 18PCCS4P2 |
| 29 | Internet Concepts and Web Design | 18PICS21 |
| 30 | Desktop Publishing | 18PICS31 |

Number of New Courses = 16

PG and Research Department of Computer Science (M. Phil. Computer Science)

2018 -2021 Syllabus

| S. NO | TITLE OF THE PAPER | SUB. CODE |
|--------------|-----------------------------------|------------------|
| 1 | Research and Teaching Methodology | 18MCCS11 |
| 2 | Machine Learning Techniques | 18MCCS12 |
| 3 | A) Virtual Reality | 18MECS1A |
| 4 | B) Digital Image Processing | 18MECS1B |
| 5 | C) Deep Learning | 18MECS1C |
| 6 | D) Big Data Analytics | 18MECS1D |
| 7 | Project and Viva-voce | 18MDCS21 |

Number of New Courses = 3