

<u>I/III I-Semester</u> CA111 Problem Solving with C CA112 Computer Organization CA113 Operating System Principles CA114 Discrete Mathematical Structures CA115 Accountancy and Financial Management CA151 PC Software Lab CA152 C Programming Lab CA153 Communication Skills lab	<u>I/III II-Semester</u> CA121 Data Structures in Python CA122 Data Base Management Systems CA123 Computer Networks CA124 Probability & Statistics CA125 Management Information Systems CA161 Data Structures in Python Lab CA162 DBMS Lab CA163 UNIX Shell Programming Lab
<u>II/III III-Semester</u> CA211 Object Oriented Programming through JAVA CA212 Web Technologies CA213-Cryptography and Network Security CA214-Operations Research CA215-Software Engineering CA251-Java Programming Lab CA252-Web Technologies Lab CA253-Technical Seminar & Report Writing Lab	<u>II/III IV-Semester</u> CA221 .Net Programming CA222 Web Services CA223 Design and Analysis of Algorithms CA224 Elective-I CA225 Elective-II CA261 .Net Programming Lab CA262 Web Services Lab CA263 Soft Skills Lab
<u>III/III V-Semester</u> MCA501 Data Warehousing & Data Mining MCA 502 .Net Programming MCA503 Design & Analysis of Algorithms CA504 Elective - II** MCA505 Elective - III* MCA506 .NET Programming Lab MCA507 Advanced JAVA Lab MCA508 Seminar	<u>III/III VI-Semester</u> MCA601 PROJECT WORK

Electives

<u>Elective – I</u>	<u>Elective – II</u>	<u>Elective – III</u>
MCA 405.1 Grid and Cluster Computing MCA 405.2 Cryptography and Network Security MCA 405.3 Simulation Modeling and Analysis	MCA504.1 Embedded Systems MCA504.2 Mobile Computing MCA504.3Cloud Computing	MCA505.1 Image Processing MCA505.2 Microprocessors and interfacing MCA505.3 Web Engineering