

<p><b><u>I/II MCA I-SEMESTER</u></b>  CA111 Data structures  CA112 Database Management Systems  CA113 Operating Systems  CA114 Computer Networks  CA115 Discrete Mathematical Structures  CA151 Data structures Lab  CA152 Database Management Systems Lab  CA153 Professional Communication Skills Lab</p>	<p><b><u>I/II MCA II-SEMESTER</u></b>  CA121 JAVA Programming  CA122 Web Technologies  CA123 Object Oriented Programming  CA124 Software Engineering  CA125 Probability and Statistics  CA161 Java Programming Lab  CA162 Web Technologies Lab  CA163 Python Programming Lab</p>
<p><b><u>I/II MCA III-SEMESTER</u></b>  CA211 Data Mining and Big Data  CA212 Artificial Intelligence  CA213 Cloud Computing  CA214 <b>Elective-I</b>  CA215 *<b>Elective-II</b>  CA251 Data Mining and Big Data Lab  CA252 Elective 1lab  CA253 Mini Project  CA254 Internship</p>	<p><b><u>I/II MCA IV-SEMESTER</u></b>  <b>CA221 MOOCs*</b>  CA222 Major Project Work</p>

<p><b><u>Elective-I</u></b>  CA214(A) Internet of Things  CA214(B) Machine Learning  CA214(C) Mobile Application Design and Development  CA214(D) Image Processing  CA214(E) Data Science</p>	<p><b><u>Elective-II</u></b>  CA215(A) Programming using C#  CA215(B) Devops  CA215(C) Block Chain Technology  CA215(D) Software testing and Quality Assurance  CA215(E) Design and Analysis of Algorithms</p>
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