

# Master of Computer Applications (MCA)

## ONLINE DEGREE PROGRAM

Course Key	Course	Credits
<b>I year First Semester</b>		
DCA6101	Fundamentals of Computer and IT	Bridge Course
DCA6102	Programming in C	4
DCA6103	Foundation of Mathematics	4
DCA6104	Advanced Database Management System (DBMS)	4
DCA6105	Computer Architecture	4
DCA6130	Programming in C – Practical	2
DCA6131	Advanced DBMS – Practical	2
<b>Second Semester</b>		
DCA6201	Operating System	4
DCA6202	Advanced Data Structure	4
DCA6203	Web Technologies	4
DCA6204	Advanced Computer Networks	4
DCA6205	Communication Skills	2
DCA6230	Advanced Data Structures using C++ - Practical	2
DCA6231	Web Technologies – Practical	2
<b>II Year Third Semester</b>		
DCA7101	Probability and Statistics	4
DCA7102	Programming in Java	4
DCA7103	Advanced Software Engineering	4
DCA7104	Analysis and Design of Algorithm	4
DCA81xx	<b>Elective – I</b>	4
DCA8141	Wireless and Mobile Communication	
DCA8142	Open Source DB Systems	
DCA8143	Cryptography and Network Security	
DCA7130	Java Programming – Practical	2
DCA7131	Seminar	1
<b>Fourth Semester</b>		
DCA7230	Project work	24
DCA82xx	<b>Elective – II</b>	4
DCA8241	Advanced Web Programming	
DCA8242	Cloud DB System	
DCA8243	Storage Management	
<b>Total Credit</b>		<b>93</b>