CENTRE FOR DISTANCE AND ONLINE EDUCATION
ANNA UNIVERSITY

MASTER OF COMPUTER APPLICATIONS

Admission

Candidates selected are eligible for admission to MBA/MCA/MSc Degree Programme in any one of the immediate two successive batches of administration (i.e.) Academic year (AY) batch or Calendar Year (CY) batch.

Master of Computer Applications (MCA) Programme is designed and intended primarily to meet the needs of working professionals for knowledge learning and for those who wish to broaden and deepen their understanding of computer applications. MCA provides a flexibility to the learner to continue with their studies without compromising on quality of education and course content.

Eligibility

1. A pass* in BCA / Bachelor Degree in Computer Science Engineering or equivalent degree. Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category in the qualifying Examinaiton).

2. A pass in Distance Education Entrance Test (DEET) conducted by the CDE, Anna University, Chennai.

****** The Bachelor Degree must have been obtained after +2 or equivalent Duration - 4 semesters

REGULATIONS – 2023
SEMESTER I

Course Title	Credits*	Marks
Matrices, Probability and Statistics	4	100
Data Structures and Algorithms	4	100
Database Technology	3	100
Object Oriented Software Engineering	3	100
Python Programming	3	100
Research Methodology and Intellectual Property Rights	2	100
Database Technology Laboratory	2	100
Data Structures and Python Programming Laboratory	2	100
Communication Skills Enhancement – I	2	100
TOTAL	**25**	**900**

SEMESTER II

Course Title	Credits*	Marks
Internet Programming	4	100
Cloud Computing Technologies	3	100
Artificial Intelligence and Machine Learning	4	100
Mobile Application Development	3	100
Cyber Security	3	100
Professional Elective I	3	100
Internet Programming Laboratory	2	100
Artificial Intelligence and Machine Learning Laboratory	2	100
Communication Skills Enhancement – II	2	100
TOTAL	**26**	**900**

SEMESTER III

Course Title	Credits*	Marks
Data Science	4	100
Multimedia Systems and Applications	3	100
Accounting and Financial Management for Application Development	4	100
Professional Elective II	3	100
Professional Elective III	3	100
Professional Elective IV	3	100
Professional Elective V	3	100
Data Science Laboratory	2	100
Multimedia Systems and Applications Laboratory	2	100
TOTAL	**27**	**900**

SEMESTER IV

Course Title	Credits*	Marks
Project Work	12	400
TOTAL	**12**	**400**
Total No. of Credits and Marks	**90**	**3100**

*Each credit is equivalent to 30 hours of student study comprising of all learning activities.

PROFESSIONAL ELECTIVES

ELECTIVE I – SEMESTER II

Course Title	Credits*	Marks
Software Project Management	3	100
Agile Methodologies	3	100
E-Learning	3	100
Software Testing and Quality Assurance	3	100
Advanced Operating Systems	3	100
Web Content Design and Management	3	100

ELECTIVE II – SEMESTER III

Course Title	Credits*	Marks
Software Security	3	100
Next Generation Wireless Networks	3	100
Wireless Sensor Networks And Protocols	3	100
Semantic Web	3	100
Network Programming And Security	3	100
Service Oriented Architecture	3	100

ELECTIVE III – SEMESTER III

Course Title	Credits*	Marks
Social Network Analytics	3	100
Mixed Reality	3	100
Information Retrieval Techniques	3	100
Software Architecture	3	100
Ethical Hacking & Cyber Forensics	3	100
Data Warehousing and Data Mining	3	100

ELECTIVE IV – SEMESTER III

Course Title	Credits*	Marks
Data Visualization Techniques	3	100
Operations Research	3	100
Professional Ethics in Information Technology	3	100
Marketing Management	3	100
Organizational Behavior	3	100
Business Data Analytics	3	100

ELECTIVE V – SEMESTER III

Course Title	Credits*	Marks
Blockchain Technologies	3	100
User Interface Design	3	100
Soft Computing Techniques	3	100
Deep Learning	3	100
Big Data Processing	3	100
Natural Language Processing	3	100