

MASTER OF COMPUTER APPLICATION (MCA)

**DR. A.P.J. ABDUL KALAM TECHNICAL
UNIVERSITY, UTTAR PRADESH, LUCKNOW**



EVALUATION SCHEME & SYLLABUS

FOR

**MASTER OF COMPUTER APPLICATION
(MCA)**

(Two Year Course)

AS PER

AICTE MODEL CURRICULUM

[Effective from the Session: 2021-22]

MASTER OF COMPUTER APPLICATION (MCA)
MCA SECOND YEAR, 2021-22

SEMESTER-III

S. No.	Subject Code	Subject Name	Periods			Sessional			ESE	Total	Credit
			L	T	P	CT	TA	Total			
1.	KCA301	Artificial Intelligence	3	0	0	30	20	50	100	150	3
2.	KCA302	Software Engineering	4	0	0	30	20	50	100	150	4
3.	KCA303	Computer Network	3	1	0	30	20	50	100	150	4
4.		Elective – 1	3	0	0	30	20	50	100	150	3
5.		Elective – 2	3	1	0	30	20	50	100	150	3
6.	KCA351	Artificial Intelligence Lab	0	0	3	30	20	50	50	100	2
7.	KCA352	Software Engineering Lab	0	0	3	30	20	50	50	100	2
8.	KCA353	Mini Project**	0	0	4	30	20	50	50	100	2
		Total								1050	23

CT: Class Test TA: Teacher Assessment

L/T/P: Lecture/ Tutorial/ Practical

SEMESTER-IV

S. No.	Subject Code	Subject Name	Periods			Sessional			ESE	Total	Credit
			L	T	P	CT	TA	Total			
1.		Elective – 3	3	0	0	30	20	50	100	150	3
2.		Elective – 4	3	0	0	30	20	50	100	150	3
3.		Elective – 5	3	0	0	30	20	50	100	150	3
4.	KCA451	Project	-	-	-	-	200	200	500	700	14
		Total								1050	23

CT: Class Test TA: Teacher Assessment

L/T/P: Lecture/ Tutorial/ Practical

** The Mini Project (6 weeks) conducted during summer break after II semester and will be assessed during III semester. The Course will be carried out at the Institute under the guidance of a Faculty Members.

Elective-1	KCA011	Cryptography & Network Security
	KCA012	Data Warehousing & Data Mining
	KCA013	Software Project Management
	KCA014	Cloud Computing
	KCA015	Compiler Design

Elective-2	KCA021	Web Technology
	KCA022	Big Data
	KCA023	Simulation & Modeling
	KCA024	Software Testing & Quality Assurance
	KCA025	Digital Image Processing

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Elective-3	KCA031	Privacy & Security in Online Social Media
	KCA032	Soft Computing
	KCA033	Pattern Recognition
	KCA034	Data Analytics
	KCA035	Software Quality Engineering

Elective-4	KCA041	Blockchain Architecture
	KCA042	Neural Network
	KCA043	Internet of Things
	KCA044	Modern Application Development
	KCA045	Distributed Database Systems

Elective-5	KCA051	Mobile Computing
	KCA052	Computer Graphics and Animation
	KCA053	Natural Language Processing
	KCA054	Machine Learning
	KCA055	Quantum Computing