



BRAINWARE UNIVERSITY
SCHOOL OF COMPUTATIONAL & APPLIED SCIENCES
DEPARTMENT OF COMPUTATIONAL SCIENCES
MASTER OF COMPUTER APPLICATIONS – 2026
As per UGC NEP 2020

SEMESTER – I

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MCA17400	Problem Solving using Python	3	0	2	40	60	100	4	400
2	MCA10401	Mathematical Foundation for Computer Science	3	1	0	40	60	100	4	400
3	MCA17402	Interactive Web Designing	2	0	4	40	60	100	4	400
4	MCA17403	Computer Organization and Operating System	3	0	2	40	60	100	4	400
5	MCA17404	Database Management System	3	0	2	40	60	100	4	400
6	MCA17405	AI and its Applications	2	0	2	40	60	100	3	400
7	MCA19406	Professional Communication Lab	0	0	2	40	60	100	1	400
TOTAL			16	1	14	280	420	700	24	

SEMESTER – II

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MCA20407	Research Methodology and Ethics	3	0	0	40	60	100	3	400
2	MCA20408	Electives A. Software Project Management B. Cyber Security C. MOOC*	3	0	0	40	60	100	3	400
3	MCA27500	Data Structure and Algorithm	3	0	4	40	60	100	5	500
4	MCA27501	Object Oriented Design using Java	3	0	4	40	60	100	5	500
5	MCA27502	Machine Learning	3	0	4	40	60	100	5	500
6	MCA29503	PHP with Laravel Lab	0	0	4	40	60	100	2	500
7	MCA28504	Seminar	0	0	0	40	60	100	3	500
TOTAL			15	0	16	280	420	700	26	
8	PGPC0001	Professional Communication, Collaboration, and Career Skills	0	0	0	100	0	100	0	GPC

*MOOC/Equivalent MOOC approved by BoS Chair (Evaluation scheme as per Blended Learning and MOOCs Policy)



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SEMESTER – III

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MCA37505	Data Science	3	0	4	40	60	100	5	500
2	MCA30506	Natural Language Processing	3	0	0	40	60	100	3	500
3	MCA38507	Capstone Training	0	0	0	40	60	100	4	500
4	MCA30508	Cloud Computing	3	0	0	40	60	100	3	500
5	MCA38509	Project	0	0	0	00	100	100	6	500
6	MCA37510	Electives A. Android Application Development B. Advance Web Development	2	0	4	40	60	100	4	500
7	MCA30511	Electives A. Blockchain Technology B. AIoT C. MOOC*	3	0	0	40	60	100	3	500
Total			14	0	8	240	460	700	28	

*MOOC/Equivalent MOOC approved by BoS Chair (Evaluation scheme as per Blended Learning and MOOCs Policy)

SEMESTER – IV

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MCA48512	Comprehensive Viva-Voce	0	0	0	0	100	100	4	500
2	MCA48513	Dissertation	0	0	0	40	60	100	20	500
TOTAL			0	0	0	40	160	200	24	