



**BRAINWARE UNIVERSITY**  
**SCHOOL OF ENGINEERING**  
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING-ARTIFICIAL INTELLIGENCE**  
**Master of Technology in Computer Science & Engineering- Artificial Intelligence & Machine Learning – 2025**  
**(As per UGC NEP-2020)**

**SEMESTER-I**

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MTA10400	Research Methodology and Ethics	3	0	0	40	60	100	3	400
2	MTA10401	Probability and Statistics for Machine Learning	3	0	0	40	60	100	3	400
3	MTA10402	Machine Learning Applications	3	0	0	40	60	100	3	400
4	MTA10403	Artificial Intelligence and Knowledge Representation	3	0	0	40	60	100	3	400
5	MTA10404	Computer Architecture for AI	3	0	0	40	60	100	3	400
6	MTA10405	Big Data Analytics	3	0	0	40	60	100	3	400
7	MTA19500	Machine Learning Applications Lab	0	0	3	40	60	100	1.5	500
8	MTA19501	Big Data Analytics Lab	0	0	3	40	60	100	1.5	500
9	MAU00001	English for Research Paper Writing *	2	0	0	50	0	0	0	AUC
<b>TOTAL</b>			<b>18+2*</b>	<b>0</b>	<b>6</b>	<b>320+50*</b>	<b>480</b>	<b>800</b>	<b>21.0</b>	

**\*AUDIT COURSE 1**



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**SEMESTER-II**

Sl. No	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MTA20406	Explainable AI (XAI)	3	0	0	40	60	100	3	400
2	MTA20407	Electives A. Fuzzy Set and Logic B. Generative AI C. MOOC*	3	0	0	40	60	100	3	400
3	MTA20502	Neural Networks and Deep Learning	3	1	0	40	60	100	4	500
4	MTA20503	Quantum Computing	3	0	0	40	60	100	3	500
5	MTA20504	Computational Social Networks	3	0	0	40	60	100	3	500
6	MTA29505	Neural Networks and Deep Learning Lab	0	0	3	40	60	100	1.5	500
7	MTA29506	Quantum Computing Lab	0	0	3	40	60	100	1.5	500
8	MAU00002	Stress Management by Yoga**	2	0	0	0	50	0	0	AUC
<b>TOTAL</b>			<b>15+2**</b>	<b>1</b>	<b>6</b>	<b>280</b>	<b>420+50**</b>	<b>700</b>	<b>19.0</b>	

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

\*\*AUDIT COURSE 2



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**SEMESTER -III**

Sl. No	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MTA38507	Dissertation-I	0	0	0	40	60	100	20.0	500

**SEMESTER -IV**

Sl. No	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MTA48508	Dissertation-II	0	0	0	40	60	100	20.0	500