



BRAINWARE UNIVERSITY
SCHOOL OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
M. Tech. (CSE) in Artificial Intelligence and Machine Learning-2022

SEMESTER – I

Course Code	Course Name	L - T - P	Credits	Total Marks
BSC-MMM101	Mathematics -I for Machine Learning	3 - 1 - 0	4	100
PCC-MCSM101	Advanced Algorithm	4 - 0 - 0	4	100
PCC-MCSM102	Artificial Intelligence and Knowledge Representation	4 - 0 - 0	4	100
PCC-MCSM103	Data Warehousing and Data Mining	3 - 0 - 0	3	100
PCC-MCSM191	Advanced Algorithm Lab	0 - 0 - 3	1.5	100
PCC-MCSM192	Artificial Intelligence Lab	0 - 0 - 3	1.5	100
PCC-MCSM193	Data Warehousing and Data Mining Lab	0 - 0 - 3	1.5	100
Total			19.5	700

SEMESTER – II

Course Code	Course Name	L - T - P	Credits	Total Marks
BSC-MMM201	Mathematics-II for Machine Learning	3 - 1 - 0	4	100
PCC-MCSM201	Machine Learning	4 - 0 - 0	4	100
PCC-MCSM202	Soft Computing	4 - 0 - 0	4	100
PEC-MCSM201	Elective I A. Bio-Informatics B. Wireless Sensor Network C. Image Processing	3 - 0 - 0	3	100
PCC-MCSM291	Machine Learning Lab	0 - 0 - 3	1.5	100
PCC-MCSM292	Soft Computing Lab	0 - 0 - 3	1.5	100
PEC-MCSM291	Elective I Lab A. Bio-Informatics Lab B. Wireless Sensor Network Lab C. Image Processing Lab	0 - 0 - 3	1.5	100
Total			19.5	700



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SEMESTER – III

Paper Code	Paper Name	L - T - P	Credits	Total Marks
PCC-MCSM301	Research Methodology	3 - 0 - 0	3	100
PCC-MCSM302	Deep Learning	4 - 0 - 0	4	100
PEC-MCSM301	Elective II A. Pattern Recognition B. Big Data Analysis C. Cloud Computing	3 - 0 - 0	3	100
PEC-MCSM302	Elective III A. Natural Language processing B. Information Retrieval C. Statistics for Data Analytics	3 - 0 - 0	3	100
PCC-MCSM391	Research Methodology Lab	0 - 0 - 3	1.5	100
PEC-MCSM391	Elective II Lab A. Pattern Recognition Lab B. Big Data Analysis Lab C. Cloud Computing Lab	0 - 0 - 3	1.5	100
PROJ-MCSM381	Dissertation-I	--	6	100
Total			22	700

SEMESTER – IV

Paper Code	Paper Name	L - T - P	Credits	Total Marks
PROJ-MCSM481	Dissertation II	--	10	100
MCSM482	Grand Viva	--	4	100
Total			14	200

Total Credit: 75

Total Marks: 2300