

MAHAKAUSHAL

University



**Computer Science Syllabus &
Prescribed Books
M.SC Artificial Intelligence and Machine Learning
Semester Examination
2021-2022 I, II, III & IV Semester**

M.Sc. (Artificial Intelligence and Machine Learning) Scheme of Examination

1st SEMESTER

1. Course Code	: MAIM	5. Total Practical	2
2. Course Name	: M.Sc. AI&ML	6. Total Practical Marks	100
3. Total Theory Subject :	5	7. Total Marks	350

Sub. Code	Subject Name	Theory - Max	Theory - Min	CCE - Max	CCE - Min	Practical - Max	Practical - Min	Total Marks
MAIM0101-T	Mathematics for AI and ML	42	15	8	3	0	0	50
MAIM0102-T	Fundamentals of Machine Learning	42	15	8	3	0	0	50
MAIM0103-T	Artificial Intelligence	42	15	8	3	0	0	50
MAIM0103-P	Artificial Intelligence LAB	0	0	0	0	50	18	50
MAIM0104-T	Object oriented programming using C++	42	15	8	3	0	0	50
MAIM0104-P	Object oriented programming using C++ LAB	0	0	0	0	50	18	50
MAIM0105(A)-T	Problem-solving and Search Techniques	42	15	8	3	0	0	50

M.Sc. (Artificial Intelligence and Machine Learning) Scheme of Examination

IInd SEMESTER

1. Course Code	: MAIM	5. Total Practical	2
2. Course Name	: M.Sc. AI&ML	6. Total Practical Marks	100
3. Total Theory Subject	: 5	7. Total Marks	350

Sub. Code	Subject Name	Theory Max	Theory Min	CCE Max	CCE Min	Practical Max	Practical Min	Total Marks
MAIM0201-T	Deep Learning and Neural Networks	42	15	8	3	0	0	50
MAIM0201-P	Deep Learning and Neural Networks LAB	0	0	0	0	50	18	50
MAIM0202-T	Text Classification and Sentiment Analysis	42	15	8	3	0	0	50
MAIM0203-T	Communication Skill	42	15	8	3	0	0	50
MAIM0204-T	Big Data Analytics and Machine Learning	42	15	8	3	0	0	50
MAIM0204-P	Big Data Analytics and Machine Learning LAB	0	0	0	0	50	18	50
MAIM0205-T(A)	Convolutional Neural Networks (CNNs)	42	15	8	3	0	0	50
MAIM0205-T(B)	Recurrent Neural Networks (RNNs)	42	15	8	3	0	0	50

M.Sc.(Artificial Intelligence and Machine Learning)Scheme of Examination

IIIRD SEMESTER

1. Course Code	:MAIM	5.TotalPractical	3
2. Course Name	:M.Sc AI&ML	6.TotalPracticalMarks	150
3. Total Theory Subject	:5	7.TotalMarks	400
4. Total Theory Marks	:250	8.Minimum Passing Percentage	:36

Sub. Code	Subject Name	Theory - Max	Theory - Min	CCE - Max	CCE - Min	Practical - Max	Practical - Min	Total Marks
MAIM0301-T	Advanced Machine Learning Techniques	42	15	8	3	0	0	50
MAIM0302-T	Machine Learning in Finance	42	15	8	3	0	0	50
MAIM0302-P	Machine Learning in Finance LAB	0	0	0	0	50	18	50
MAIM0303-T	Mobile Application Security	42	15	8	3	0	0	50
MAIM0303-P	Mobile Application Security LAB	0	0	0	0	50	18	50
MAIM0304-T	Advanced Java Programming	42	15	8	3	0	0	50
MAIM0304-P	Advanced Java Programming LAB	0	0	0	0	50	18	50
MAIM0305(A)-T	Bayesian Networks	42	15	8	3	0	0	50
MAIM0305(B)-T	Markov Networks	42	15	8	3	0	0	50

M.Sc. (Artificial Intelligence and Machine Learning) Scheme of Examination

IVth SEMESTER

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| 1. Course Code | : MAIM | 5. Total Practical | 4 |
| 2. Course Name | : M.Sc. AIML | 6. Total Practical | 250 |
| 3. Total Theory Subject | : 4 | 7. Total Marks | 450 |
| 4. Total Theory Marks | : 200 | | |

Sub. Code	Subject Name	Theory - Max	Theory - Min	CCE - Max	CCE - Min	Practical - Max	Practical - Min	Total Marks
MAIM0401-T	Privacy and Security Concerns	42	15	8	3	0	0	50
MAIM0401-P	Privacy and Security Concerns LAB	0	0	0	0	50	18	50
MAIM0402-T	Data Manipulation & Preprocessing	42	15	8	3	0	0	50
MAIM0402-P	Data Manipulation & Preprocessing LAB	0	0	0	0	50	18	50
MAIM0403-T	Programming in Python	42	15	8	3	0	0	50
MAIM0403-P	Programming in Python LAB	0	0	0	0	50	18	50
MAIM0404-T	Special Topics in AI and ML	42	15	8	3	0	0	50
MAIM0405-P	Major Project	0	0	0	0	100	50	100