Maharshi Dayanand University Rohtak
B.Tech. (Artificial Intelligence & Machine Learning)
B.Tech. (Computer Science and Engineering- Artificial Intelligence & Machine Learning)
Scheme of Studies/Examination w.e.f. 2023-24
Semester-7

Sr. No	Course Code	Course Title	Hours per week			Total Contact Hrs. per week	Credit	Examination Schedule (Marks)				Duration of Exam (Hours)
			L	T	P			Internal Assessment	Theory	Practical	Total	
1.	PCC-AI-401G	Deep Learning	3	0	0	3	3	25	75		100	3
2.	Refer to Annexure-IV	Professional Elective-IV	3	0	0	3	3	25	75		100	3
3.	Refer to Annexure-V	Professional Elective-V	3	0	0	3	3	25	75		100	3
4.	Refer to Annexure-OEC-1	Open Elective-I	3	0	0	3	3	25	75	-	100	3
5.	LC-AI-443G	Deep Learning Lab	0	0	2	2	1	25	-	25	50	3
6.	LC-AI-441G	Project-II	0	0	6	6	3	50	-	50	100	3
7.	PT-CSE-425G (Common with CSE)	Practical Training -II	0	0	0	1	Refer Note 1					
Total			12	-	8	21	16	175	300	75	550	

1.Practical Training II: The evaluation of Practical Training-II will be based on seminar, viva-voce, report submitted by the students. According to performance, the students will be awarded grades A, B, C, F; A student who is awarded 'F' grade is required to repeat Practical Training.

Grades : Excellent: A,   Good : B,   Satisfactory: C,   Not Satisfactory: F

2. Choose one subject from each Professional Elective –IV, Professional Elective –V and Open Elective – I. List of elective subjects is attached as annexures.

Annexure-IV
Professional Elective Courses- IV
(Choose Professional Elective Courses)

	Professional Electives	
	Course Code	**Course title**
Professional Elective -IV	PEC-DS-405G	Advanced Python Programming
	PEC-AI-405G	Reinforcement Learning
	PEC-AI-418G	Web Intelligence

Annexure-V
Professional Elective Courses-V
(Choose Professional Elective Courses)

Professional Elective –V	PEC-AI-404G	Social Network Analysis
	PEC-AI-406G	Recommender Systems
	PEC-AI-407G	Computer Vision & Pattern Recognition
	PEC-AI-408G	Decision Support and Intelligent System
	PEC-AI-409G	AIML Applications in IoT
	PEC-AI-410G	Intelligent Robots and Drone Technology
	PEC-AI-411G	Artificial Intelligence for Cyber security
	PEC-AI-412G	Machine Learning for Medical Image Analysis
	PEC-AI-413G	AI in Healthcare
	PEC-AI-414G	Speech and Language Processing using Deep Learning
	PEC-DS-406G	Image and Video Analytics
	PEC-AI-415G	Intelligent Information Retrieval

Open Elective Course- I

Sr. No.	Course Code	Course title
	OEC-DS-431G	Open Source Programming
	OEC-AI-431G	Data Visualization and Tableau
	OEC-DS-432G	Information Storage and Management
	OEC-DS-433G	Virtualization
	OEC-AI-434G	R Programming

Sr. No	Course Code	Course Title	Hours per week			Total Contact Hrs. / week	Cre dit	Examination Schedule (Marks)				Dura tion of Exam (Hrs)
			L	T	P			Internal Assessm ent	The ory	Prac tical	Total	
1	PCC-CSE-402G	Software Engineering & Project Management	3	0	0	3	3	25	75	-	100	3
2	PCC-AI-403 G	Applied Machine Learning	3	0	0	3	3	25	75	-	100	3
3.	Refer to Annexure OCE-II	Open Elective-II	3	0	0	3	3	25	75	-	100	3
4	LC-AI-445G	Applied Machine Learning Lab	0	0	2	2	1	25	-	25	50	3
5	LC-AI-444G	Artificial Programming Lab-III	0	0	2	2	1	25	-	25	50	3
6	LC-AI-442G	Project-III	0	0	8	8	4	50	-	50	100	3
Total			9	0	12	21	15	175	225	100	500	-

Note :

Choose one subject from open Elective -II. List of elective subjects is attached as annexure

Annexure OEC-II: Open Elective-II

Sr. No.	Course Code	Course title
	OEC-AI-436G	Essentials of Hadoop
	OEC-ME-451G	Intelligent Vehicle Technology
	OEC-ME-452G	Hybrid and Electrical Vehicle