

Department of Artificial Intelligence
Curriculum for Minor Program in AI

Part-1: Core Subjects

Core subjects for the students from CSE, ECE and EE

Sl. No.	Subject No.	Subject name	L-T-P	Semester	Prerequisites	Credits
1	AI21202	Optimization for Machine Learning	3-1-0	Spring	NONE	4
2	AI29204	Deep Learning for Spatial Data Laboratory	0-0-3	Spring	NONE	2
3	AI39203	Deep Learning for Sequential Data Laboratory	0-0-3	Autumn	NONE	2
4	AI31202	Statistical Foundations of Artificial Intelligence and Machine Learning	3-1-0	Autumn	NONE	4
Total credit						12

Core subjects for the students from all other departments

Sl. No.	Subject No.	Subject name	L-T-P	Semester	Prerequisites	Credits
1	AI21204	Deep Learning Foundations	3-1-0	Spring	NONE	4
2	AI29204	Deep Learning for Spatial Data Laboratory	0-0-3	Spring	NONE	2
3	AI39203	Deep Learning for Sequential Data Laboratory	0-0-3	Autumn	NONE	2
4	AI31201	Reinforcement Learning	3-1-0	Autumn	NONE	4
Total credit						12

Part-2: Depth Electives: Applicable for all departments

Sl. No.	Subject name	L-T-P	Semester	Credits
1	Elective – I	3-0-0	Autumn/Spring	3
2	Elective – II	3-0-0	Autumn/Spring	3
3	Elective – III	3-0-0	Autumn/Spring	3
Total credit				9

Note: The elective subjects are from the BTech AI curriculum.