<table>
<tr><td colspan="9" align="center">B.Tech. ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
Minimum Credits to be Earned 149.0</td></tr>
</table>

First Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	POs				
21AM101	ENGINEERING MATHEMATICS I	-	-	3	1	0	4
21AM102	ENGINEERING PHYSICS I	-	-	2	0	2	3
21AM103	ENGINEERING CHEMISTRY I	-	-	2	0	2	3
21AM104	PROGRAMMING FOR PROBLEM SOLVING IN C	-	-	2	0	2	3
21AM105	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	-	-	2	0	2	3
21HS101	COMMUNICATIVE ENGLISH I	-	-	1	0	2	2
			Total	12	1	10	18.0

Second Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	POs				
21AM201	ENGINEERING MATHEMATICS II	-	-	3	1	0	4
21AM202	ENGINEERING PHYSICS II	-	-	2	0	2	3
21AM203	ENGINEERING CHEMISTRY II	-	-	2	0	2	3
21AM204	APPLICATION BASED PROGRAMMING IN PYTHON	-	-	3	0	2	4
21AM205	DIGITAL SYSTEM DESIGN	-	-	3	0	2	4
	LANGUAGE ELECTIVE	-	-	-	-	-	2
			Total	13	1	8	20.0

Third Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	POs				
18CS029	PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP			3	0	0	3
21AM301	PROBABILITY AND STATISTICS	-	-	3	1	0	4
21AM302	DATA STRUCTURES USING C	-	-	3	1	0	4
21AM303	PRINCIPLES OF OPERATING SYSTEM	-	-	3	0	0	3
21AM304	COMPUTER ORGANIZATION AND ARCHITECTURE	-	-	3	0	0	3
21AM305	DATABASE MANAGEMENT SYSTEM	-	-	3	0	0	3
21AM306	JAVA PROGRAMMING	-	-	3	1	0	4
21AM307	DATA STRUCTURES LABORATORY	-	-	0	0	4	2
21AM308	DATABASE MANAGEMENT SYSTEM LABORATORY	-	-	0	0	4	2
18GE301	SOFT SKILLS - VERBAL ABILITY	-	-	2	0	0	0
			Total	23	3	8	28.0

Fourth Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	POs				
21AM401	MATHEMATICS FOR MACHINE LEARNING	-	-	3	1	0	4
21AM402	DESIGN AND ANALYSIS OF ALGORITHM	-	-	3	1	0	4
21AM403	INTERNET AND WEB PROGRAMMING	-	-	3	1	0	4
21AM404	COMPUTER NETWORKS	-	-	3	0	0	3
21AM405	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	-	-	3	0	0	3
21AM406	APPLIED MACHINE LEARNING	-	-	3	0	0	3
21AM407	APPLIED MACHINE LEARNING LABORATORY	-	-	0	0	4	2
21AM408	ARTIFICIAL INTELLIGENCE LABORATORY	-	-	0	0	4	2
18GE401	SOFT SKILLS-REASONING	-	-	2	0	0	0
			Total	20	3	8	25.0

Fifth Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	POs				
21AM501	INTELLIGENT MULTI AGENT AND EXPERT SYSTEMS	-	-	3	0	0	3
21AM502	BIG DATA TECHNOLOGIES	-	-	3	1	0	4
21AM503	CLOUD COMPUTING	-	-	3	0	0	3
21AM504	DEEP LEARNING	-	-	3	0	0	3
21AM507	DEEP LEARNING LABORATORY	-	-	0	0	4	2
21AM508	CLOUD COMPUTING LABORATORY	-	-	0	0	4	2
18GE501	SOFT SKILLS - APTITUDE I	-	-	0	0	2	0
			Total	12	1	10	17.0

Sixth Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	POs				

Code No.	Course			L	T	P	C
21AM601	COMPUTER VISION	-	-	3	0	0	3
21AM602	REINFORCEMENT AND ENSEMBLE LEARNING	-	-	3	0	0	3
21AM603	INTELLIGENT ROBOTS AND DRONE TECHNOLOGY	-	-	3	0	0	3
21AM604	NATURAL LANGUAGE PROCESSING	-	-	3	0	0	3
21AM607	NATURAL LANGUAGE PROCESSING LABORATORY	-	-	0	0	4	2
21AM608	COMPUTER VISION LABORATORY	-	-	0	0	4	2
18GE601	SOFT SKILLS-APTITUDE II	-	-	0	0	2	0
			Total	12	0	10	16.0

Seventh Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	POs				
18HS002	PROFESSIONAL ETHICS IN ENGINEERING	-	-	2	0	0	2
21AM702	PATTERN ANDE ANOMALY DETECTION	-	-	3	0	0	3
21AM703	BUSINESS ANALYTICS	-	-	3	0	0	3
21AM704	KNOWLEDGE PRESENTATION	-	-	3	0	0	3
21AM707	PATTERN AND ANAMOLY DETECTION LABORATORY	-	-	0	0	4	2
21AM708	PROJECT WORK I	-	-	0	0	6	3
			Total	11	0	10	16.0

Eight Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	POs				
21AM804	PROJECT WORK II	-	-	0	0	18	9
			Total	0	0	18	9.0

Electives

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	POs				

LANGUAGE ELECTIVES

Code No.	Course			L	T	P	C
18HS201	COMMUNICATIVE ENGLISH II	-	-	1	0	2	2
18HSC01	CHINESE	-	-	1	0	2	2
18HSF01	FRENCH	-	-	1	0	2	2
18HSG01	GERMAN	-	-	1	0	2	2
18HSH01	HINDI	-	-	1	0	2	2
18HSJ01	JAPANESE	-	-	1	0	2	2