

**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING
(ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)
B.Tech Course Structure (R23 Regulations)**

I B.Tech (I Sem)

Branch/Specialization: CSE (AI&ML)

S.No.	Course Code	Name of the Course	Contact Hours per Week			Credits
			L	T	P	
1	HS101	Matrices and Calculus	3	1	0	4
2	HS103	Applied Physics	3	1	0	4
3	ES101	Basic Electrical Engineering	2	0	0	2
4	ES103	Electronic Devices and Circuits	2	0	0	2
5	ES106	Programming for Problem Solving*	2	0	4	4
6	HS104	Applied Physics Lab	0	0	3	1.5
7	ES105	Electrical and Electronics Engg. Lab	0	0	2	1
8	ES113	Engineering Workshop Practice Lab	0	0	3	1.5
9	MC102	Morals and Ethics	1	0	0	0
Total			13	2	12	20

L: Lecture Hour

T: Tutorial Hour

P: Lab/Practice Hour

***Integrated Course (Theory & Lab)**

I B.Tech (II Sem)

Branch/Specialization: CSE (AI&ML)

S.No.	Course Code	Name of the Course	Contact Hours per Week			Credits
			L	T	P	
1	HS102	Multivariable and Vector Calculus	3	1	0	4
2	HS105	Engineering Chemistry	3	1	0	4
3	HS107	English for Skill Enhancement	2	0	0	2
4	ES107	Python Programming*	2	0	2	3
5	ES108	Computer Aided Engineering Graphics	1	0	4	3
6	HS106	Engineering Chemistry Lab	0	0	2	1
7	HS108	English Language and Communication Skills Lab	0	0	2	1
8	ES115	IT Workshop	0	0	2	1
9	MC101	Environmental Science	1	0	0	0
Total			12	2	12	19

L: Lecture Hour

T: Tutorial Hour

P: Lab/Practice Hour

***Integrated Course (Theory & Lab)**

II B.Tech (I Sem)**Branch/Specialization: CSE (AIML)**

S.No.	Course Code	Name of the Course	Contact Hours per Week			Credits
			L	T	P	
1	HS204	Mathematical and Statistical Foundations	3	1	0	4
2	EC216	Digital Electronics	3	0	0	3
3	CS206	Computer Organization and Architecture	3	0	0	3
4	CS214	Data Structures with Python	3	0	0	3
5	CS301	Software Engineering	3	0	0	3
6	CS208	Operating Systems	3	0	0	3
7	CS215	Data Structures with Python Lab	0	0	2	1
8	CS209	Operating Systems Lab	0	0	2	1
9	MC202	Gender Sensitization Lab	0	0	2	0
Total			18	1	6	21

L: Lecture Hour**T: Tutorial Hour****P: Lab/Practice Hour****II B.Tech (II Sem)****Branch/Specialization: CSE(AIML)**

S.No.	Course Code	Name of the Course	Contact Hours per Week			Credits
			L	T	P	
1	CS203	Object Oriented Programming through Java	3	0	0	3
2	CS205	Discrete Mathematics	3	0	0	3
3	CS308	Artificial Intelligence	3	0	0	3
4	CS210	Database Management Systems	3	0	0	3
5	CS317	Formal Languages and Automata Theory	3	0	0	3
6	CS204	Java Programming Lab	0	0	2	1
7	CS211	Database Management Systems Lab	0	0	2	1
8	HS206	Verbal Communication and Soft Skills Lab	0	0	2	1
9	CS222	Real time research project/societal related project	0	0	4	2
10	MC201	Constitution of India	1	0	0	0
Total			16	0	10	20

L: Lecture Hour**T: Tutorial Hour****P: Lab/Practice Hour**