

## B.TECH.

### ARTIFICIAL INTELLIGENCE & MACHINE LEARNING CURRICULUM STRUCTURE

<b>SEMESTER- V</b>													
Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KCS501	Database Management System	3	1	0	30	20	50		100		150	4
2	KAI501	Artificial Intelligence	3	1	0	30	20	50		100		150	4
3	KCS503	Design and Analysis of Algorithm	3	1	0	30	20	50		100		150	4
4	Dept. Elective-I	Departmental Elective-I	3	0	0	30	20	50		100		150	3
5	Dept. Elective-II	Departmental Elective-II	3	0	0	30	20	50		100		150	3
6	KCS551	Database Management System Lab	0	0	2				25		25	50	1
7	KAI551	Artificial Intelligence Lab	0	0	2				25		25	50	1
8	KCS553	Design and Analysis of Algorithm Lab	0	0	2				25		25	50	1
9	KCS554	Mini Project or Internship Assessment*	0	0	2				50			50	1
10	KNC501/ KNC502	Constitution of India. Law and Engineering / Indian Tradition, Culture and Society	2	0	0	15	10	25		50			
11		MOOCs (Essential for Hons. Degree)											
		<b>Total</b>										<b>950</b>	<b>22</b>

\*The Mini Project or internship (4 weeks) conducted during summer break after IV semester and will be assessed during V semester.

## SEMESTER- VI

Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KAI601	Machine Learning Techniques	3	1	0	30	20	50		100		150	4
2	KCS602	Web Technology	3	1	0	30	20	50		100		150	4
3	KCS603	Computer Networks	3	1	0	30	20	50		100		150	4
4	Dept. Elective-III	Departmental Elective-III	3	0	0	30	20	50		100		150	3
5		Open Elective-I [Annexure - B(iv)]	3	0	0	30	20	50		100		150	3
6	KAI651	Machine learning Lab	0	0	2				25		25	50	1
7	KCS652	Web Technology Lab	0	0	2				25		25	50	1
8	KCS653	Computer Networks Lab	0	0	2				25		25	50	1
9	KNC601/ KNC602	Constitution of India. Law and Engineering / Indian Tradition, Culture and Society	2	0	0	15	10	25		50			
10		MOOCs (Essential for Hons. Degree)											
		<b>Total</b>										<b>900</b>	<b>21</b>

### Departmental Elective-I

1. KAI051      Mathematical Foundation AI , ML and Data Science
2. KCS052      Web Designing
3. KDS051      Business Intelligence and Analytics
4. KCS054      Object Oriented System Design
5. KDS052      Distributed System

### Departmental Elective-II

1. KML051      Cloud Computing
2. KAI052      Natural Language Processing
3. KCS056      Application of Soft Computing
4. KAI053      Intelligent Database System
5. KCS502      Compiler Design

### Departmental Elective-III

1. KAI061      Cyber Forensic analytics
2. KDS061      Image Analytics
3. KML061      Advanced Machine Learning
4. KML062      Stream Processing and Analytics
6. KDS063      Software Engineering