

RK University					
School of Engineering					
PROGRAM: B. Tech - Artificial Intelligence					
Batch 2022-2026					
SEMESTER – I (Batch - 2022-26)					
TEACHING SCHEME					
Sr.No.	Course Name	Teaching Hours			Credits
		Theory	Tutorial	Practical	
1	Mathematics for Intelligent System 1 (Foundations of Computing)	4	0	0	4
2	Programming for Problem Solving Using Python	3	0	4	4
3	Fundamentals of Electrical Engineering	3	0	2	4
4	Applied Science	3	0	2	4
5	English as a Second Language – Intermediate Level 1	3	0	0	2
6	Workshop Practice-I	0	0	4	2
7	University Elective – I NSS YOGA Professional Ethics	0	0	2	2
	TOTAL	16	0	14	22
	Total Teaching Hours	30			

SEMESTER – II (Batch - 2022-26)					
TEACHING SCHEME					
Sr.No.	Course Name	Teaching Hours			Credits
		Theory	Tutorial	Practical	
1	Mathematics for Intelligent System 2 (Calculus, Vector Spaces and Laplace Transform)	4	0	0	4
2	English as a Second Language – Intermediate Level 2	3	0	0	3
3	Python Programming - II	0	0	4	2
4	Digital Circuits and Design	3	0	2	4
5	Fundamentals of Web Designing	0	0	4	2

6	Environmental Science	2	0	0	2
7	Basic Electronics	3	0	2	4
8	University Elective – II NSS YOGA Professional Ethics	0	0	2	2
	TOTAL	15	0	14	21
	Total Teaching Hours	29			

SEMESTER – III (Batch - 2022-26)

TEACHING SCHEME

Sr.No.	Course Name	Teaching Hours			Credits
		Theory	Tutorial	Practical	
1	Mathematics for Intelligent System 3 (Partial Differential Equations, Probability and Statistics)	4	0	0	4
2	Python Programming - II	0	0	4	2
3	Data Structure using Python	3	0	4	5
4	Database Management Systems	3	0	2	4
5	Computer Organization and Architecture	3	0	0	3
6	Socket Programming	3	0	4	3
	TOTAL	16	0	14	21
	Total Teaching Hours	30			

SEMESTER – IV (Batch - 2022-26)

TEACHING SCHEME

Sr.No.	Course Name	Teaching Hours			Credits
		Theory	Tutorial	Practical	
1	Mathematics & Statistics for Machine Learning	4	0	0	4
2	Object Oriented Programming with JAVA	0	0	4	2
3	Fundamental of OS and Linux Administration	3	0	2	4
4	Introduction to Machine Learning using Python	2	0	2	3
5	Computer Network	2	0	2	3
6	University Elective - III Mobile Application Development iOS Elective	2	0	2	3
7	Design and Analysis of Algorithm	3	0	2	4
	TOTAL	16	0	14	23
	Total Teaching Hours	30			

SEMESTER – V (Batch - 2022-26)

TEACHING SCHEME

Sr.No.	Course Name	Teaching Hours			Credits
		Theory	Tutorial	Practical	
1	Cryptography and Network Security	3	0	2	4
2	Statistical Learning Theory	3	0	2	4
3	Web Application Development Using Framework	0	0	4	4
4	Data Mining and Data Warehousing	3	0	2	4
5	Introduction to Cloud Computing	2	0	2	2
6	University Elective – III Entrepreneurship Basic Campus to Corporate Training	3	0	0	3
7	Seminar	0	2	0	3
	TOTAL	14	2	12	24
	Total Teaching Hours	28			

SEMESTER – VI (Batch - 2022-26)					
TEACHING SCHEME					
Sr.No.	Course Name	Teaching Hours			Credits
		Theory	Tutorial	Practical	
1	Machine Learning	4	0	4	5
2	Internet of Things (IOT)	3	0	2	4
3	Introduction to Deep Learning	3	0	2	4
4	Computer Vision	3	0	2	4
5	Big Data Analytics	3	0	2	4
6	Cloud Computing	0	0	2	1
	TOTAL	16	0	14	22
	Total Teaching Hours	30			

SEMESTER – VII (Batch - 2022-26)					
TEACHING SCHEME					
Sr.No.	Course Name	Teaching Hours			Credits
		Theory	Tutorial	Practical	
1	Natrual Language Processing	3	0	4	4
2	Deep Reinforcement Learning	2	0	2	3
3	Block Chain Technology	3	0	4	4
4	Pattern Recognition and Feature extraction	3	0	4	4
5	Data Visulization, Data Processing and Data Representation	3	0	2	4
6	Project	0	0	0	4
	TOTAL	14	0	16	23
	Total Teaching Hours	30			

SEMESTER – VIII (Batch - 2022-26)					
TEACHING SCHEME					
Sr.No.	Course Name	Teaching Hours			Credits
		Theory	Tutorial	Practical	
1	Project / Industrial Training	0	0	0	25
	TOTAL	0	0	0	
	Total Teaching Hours	0			