

Department of Information Technology

B.Sc. in Information Technology (Artificial Intelligence)

Semester I						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1		Mathematics for Computer Science	3	1	0	4
2		Programming for Problem Solving	3	0	4	5
3		Introduction to AI and Machine Learning	3	1	0	4
4		Electrical and Electronics Engineering	3	1	0	4
5		Computational Engineering Mechanics	2	0	4	4
6		English Communication	3	0	4	5
Total Credit						26

Semester II						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1		Discrete Mathematics	3	1	0	4
2		Digital Fabrication	3	0	4	5
3		Data Structure and Algorithm with Python	3	0	4	5
4		Intelligence of Biological Systems	3	1	0	4
5		Environmental Science	1	0	0	1
Sessional						
1		Project -I	0	0	2	1
Total Credit						20

Semester III						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1		Probability & Statistics	3	1	0	4
2		Microprocessor & Microcontroller	3	1	0	4
3		Operating System	3	0	4	5
4		Database Management System	3	0	4	5
5		Data Visualisation	3	0	4	5
Total Credit						23

Semester IV						
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Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1		Computer Networks	3	0	4	5
2		Introduction to Robotics	3	0	4	5
3		Design & Analysis of Algorithm	3	0	4	5
4		Elective-I	3	0	0	3
		Speech Systems				
		Computer Vision				
		Natural Language Processing				
Sessional						
1		Technical Seminar and Communication Skill	0	0	2	1
2		Project –II	0	0	2	1
Total Credit						20

Semester V						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1		Image Processing	3	0	4	5
2		Machine Learning	3	0	4	5
3		Elective-II	3	0	0	3
		Pattern Recognition				
		Applied Cryptography				
		Clinical Information System				
4		Elective-III	3	0	0	3
		Soft Computing				
		Network & Wireless Security				
		Biomedical Informatics				
5		Industrial Training and Internship	0	0	2	1
Sessional						
1		Major Project I	0	0	4	2
Total Credit						19

Semester VI						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1		Big Data Analytics	3	0	4	5
2		Cloud Computing	3	0	4	5
3		Elective-IV	3	0	0	3
		Deep Learning				
		Intrusion Detection & Prevention Systems				
		Bioinformatics				
Sessional						



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1		Grand Viva	0	0	2	1
2		Major Project II	0	0	4	2
			Total Credit			16

Semester	Credit
I	26
II	20
III	23
IV	20
V	19
VI	16
TOTAL	124