

Department of Information Technology

B.Sc in Information Technology (Internet of Things)

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		IOT Architecture	3	1	0	4
5		English Communication	3	0	4	5
Total Credit						22

Semester II						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1		Discrete Mathematics	3	1	0	4
2		Data Structure and Algorithm with Python	3	0	4	5
3		Principles of Electrical & Electronics Engineering	3	0	4	5
4		IoT sensors device and components	3	1	0	4
5		Environmental Science	1	0	0	1
Sessional						
1		Project -I	0	0	4	2
Practical						
1		Computer Aided Design & Drawing	0	0	4	2
Total Credit						23

Semester III						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1		Operating System	3	0	4	5
2		Database Management System	3	0	4	5
3		Digital System Design	3	0	4	5
4		Computer Organization and Architecture	3	1	0	4
5		Introduction to Graph Theory and its Applications	3	1	0	4
6		Values and Ethics in Profession	1	0	0	1
Total Credit						24

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Semester IV						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1		Computer Networking	3	0	4	5
2		Design and Analysis of Algorithm	3	0	4	5
3		Working with Raspberry Pi & Arduino Platform	3	0	4	5
5		Elective - I	3	0	0	3
		Wireless Sensor Networks				
		Block Chain Technologies				
Sessional						
1		Project -II	0	0	4	2
Total Credit						20

Semester V						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1		IoT Application Development	3	0	4	5
2		Big Data Analytics	3	0	4	5
3		Elective - II	3	0	0	3
		Embedded System				
		Cyber security and Privacy in IoT				
Sessional						
1		Major Project- I	0	0	4	2
2		Industrial Training	0	0	2	1
Total Credit						16

Semester VI						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1		Artificial Intelligence	3	0	4	5
2		Cloud Computing	3	0	4	5
3		Elective - III	3	0	0	3
		Data Sciences in IoT				
		Big Data Analysis in IoT				
Sessional						
1		Grand Viva	0	0	2	1
2		Major Project -II	0	0	4	2
Total Credit						16



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Semester	Credit
I	22
II	23
III	24
IV	20
V	16
VI	16
TOTAL	121