



## **SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)**

### **MASTER OF TECHNOLOGY (M.TECH) PROGRAMME STRUCTURE-2023**

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## M. Tech AI

Artificial Intelligence							
First Semester							
		Course					
			PC	MA/CS/IT	3		
			PC	CS	4		
		Artificial Intelligence	PC	CS	5		
			MC	CS	1		
		Pedagogy Studies	AC	CS	1		
<b>TOTAL</b>					<b>14</b>	<b>9-0-2</b>	<b>= 11</b>

Artificial Intelligence							
Second Semester							
		Course					
			PC	CS/IT	5	3-0-1=4	
		<b>Program Elective - II</b>	PE	CS	4	4-0-0 = 4	
		Value Education	AC	CS	1		
<b>TOTAL</b>					<b>14</b>	<b>11-0-1</b>	<b>= 12</b>

Artificial Intelligence						
Third Semester						
		Course				
		Deep Learning	PC	CS/IT	3	3-0-0=3
		Machine Learning	PC	CS/IT	5	3-0-0=3
		<b>Program Elective -III</b>	PE	CS	4	4-0-0=4
		<b>Mini Project -I</b>	PR	CS	4	<b>0-0-2=2</b>

<b>TOTAL</b>	<b>16</b>	<b>10-0-2=12</b>
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<b>Artificial Intelligence</b>					
Fourth Semester					
	Course				
	<b>Program Elective –IV</b>	PE	CS	4	4-0-0=4
	<b>Program Elective –V</b>	PE	CS	4	4-0-0=4
	Mini Project - II	PR	CS	6	0-0-3=3
<b>TOTAL</b>				<b>14</b>	<b>8-0-3=11</b>

<b>Artificial Intelligence</b>					
Fifth Semester					
	Course				
	Open Elective	OE	CS	3	3-0-0 = 03
	Internship	PR	CS	4*	0-0-2 = 02
	Project Work – I	PR	CS	20*	0-0-10= 10
<b>TOTAL</b>					<b>3-0-12=15</b>
<b>*Project and Internship carryout in Industry.</b>					

	Course				
		PR	CS	28*	0-0-14=14
<b>TOTAL</b>					<b>0-0-14=14</b>
<b>*Project and Internship carryout in Industry.</b>					

<b>Program Elective - Course</b>
Natural language processing
Digital Image Processing
Fuzzy logic
Genetic Algorithm
Data Visualisation
Reinforcement Learning

Time Series Analysis
Social Media Analytics
Evolutionary Optimization Algorithms
Recommender system
Pattern recognition

<b>Open Electives Courses</b>
Cloud Computing
Data Analytics