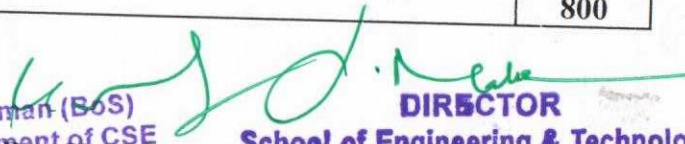
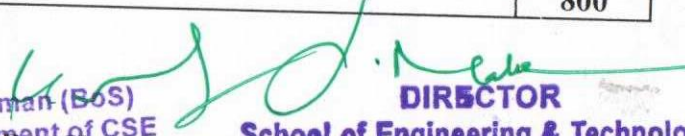


SCHOOL OF ENGINEERING AND TECHNOLOGY  
SRI PADMAVATI MAHILA VISVAVIDYALAYAM  
SCHEME OF INSTRUCTION AND EVALUATION OF M.TECH (AI & DS)  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
R24 REGULATIONS  
I YEAR – I SEMESTER

THEORY													
S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
								Internal (40 Marks)		External (60 Marks)			
								Assignment	Test				
				L	T	P		Max. Marks	Duration (Hrs)	Max. Marks	Duration (Hrs)	Max. Marks	
1	PC	24MCST01	Mathematical Foundations of Data Science	3	0	0	3	10	2	30	3	60	100
2	PC	24MCST02	Advances in Artificial Intelligence	3	0	0	3	10	2	30	3	60	100
3	PC	24MCST03	Programming for Data Science	3	0	0	3	10	2	30	3	60	100
4	PE		Professional Elective - I	3	0	0	3	10	2	30	3	60	100
5	PE		Professional Elective - II	3	0	0	3	10	2	30	3	60	100
6	BS	24MBST01	Research Methodology & IPR	3	0	0	3	10	2	30	3	60	100
7	HM		Audit Course	2	-	-	-	10	2	30	3	60	100
Satisfactory / Not Satisfactory													
PRACTICALS													
S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
								Internal (40 Marks)		External (60 Marks)			
								Continuous	Test				
				L	T	P		Max. Marks	Duration (Hrs)	Max. Marks	Duration (Hrs)	Max. Marks	
8	SC	24MCSS01	AI Tools Lab	0	0	4	2	20	2	20	3	60	100
9	PC	24MCSP01	Programming for Data Science Lab	0	0	4	2	20	2	20	3	60	100
<b>Total</b>				<b>20</b>	<b>0</b>	<b>8</b>	<b>22</b>						<b>800</b>

  
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**R24 REGULATIONS**  
**I YEAR – II SEMESTER**


THEORY													
S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
								Internal (40 Marks)		External (60 Marks)			
				Assignment	Test			Duration (Hrs)	Max. Marks	Duration (Hrs)	Max. Marks		
Max. Marks	Duration (Hrs)	Max. Marks											
1	PC	24MCST04	Deep Learning	3	0	0	3	10	2	30	3	60	100
2	PC	24MCST05	Prompt Engineering	3	0	0	3	10	2	30	3	60	100
3	PE		Professional Elective - III	3	0	0	3	10	2	30	3	60	100
4	PE		Professional Elective - IV	3	0	0	3	10	2	30	3	60	100
5	OE		Open Elective - I	3	0	0	3	10	2	30	3	60	100
6	HM	24MHMT06	Entrepreneurship Development	3	0	0	3	10	2	30	3	60	100
PRACTICALS													
S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
								Internal (40 Marks)		External (60 Marks)			
				Continuous	Test			Duration (Hrs)	Max. Marks	Duration (Hrs)	Max. Marks		
Max. Marks	Duration (Hrs)	Max. Marks											
7	PC	24MCSP02	Deep Learning Lab	0	0	4	2	20	2	20	3	60	100
8	PC	24MCSP03	Prompt Engineering Lab using Python	0	0	4	2	20	2	20	3	60	100
9	PC	24MCSC01	Term Paper cum Seminar	0	0	4	2	40	-	-	-	60	100
<b>Total</b>				<b>18</b>	<b>0</b>	<b>12</b>	<b>24</b>						<b>900</b>

  
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**II YEAR – I SEMESTER**

<b>THEORY</b>														
S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks	
								Internal (40 Marks)		External (60 Marks)				
								Assignment	Test					
				L	T	P		Max. Marks	Duration (Hrs)	Max. Marks	Duration (Hrs)	Max. Marks		
1	PE		Professional Elective - V (Mandatory MOOC)	3	0	0	3	10	2	30	3	60	100	
2	OE		Open Elective - II / MOOC	3	0	0	3	10	2	30	3	60	100	
<b>PRACTICALS</b>														
S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks	
								Internal		External				
								Continuous	Test					
				L	T	P		Max. Marks	Duration (Hrs)	Max. Marks	Duration (Hrs)	Max. Marks		
3	PC	24MCSV01	Comprehensive Viva	-	-	-	2	40	-	-	-	60	100	
4	PC	24MCSJ01	Dissertation Phase - I	0	0	20	10	100	-	-	-	-	100	
<b>Total</b>				<b>6</b>	<b>0</b>	<b>20</b>	<b>18</b>						<b>400</b>	

  
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**II YEAR – II SEMESTER**

S.No	Course Type	Course Code	Course Title	Credits	Internal		External Evaluation		Total
					Guide	Internal Committee	External Dissertation	Viva	
1	PC	24MCSJ02	Dissertation Phase - II	16	20	20	30	30	100

  
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R24 REGULATIONS  
LIST OF PROFESSIONAL ELECTIVES**

**PROFESSIONAL ELECTIVE - I**

S. No	Course Code	Course Title
1	24MCST06	Soft Computing
2	24MCST07	Speech and Natural Language Processing
3	24MCST08	Cognitive Science

**PROFESSIONAL ELECTIVE - II**

S. No	Course Code	Course Title
1	24MCST09	Predictive Analytics and Data Mining
2	24MCST10	Applied Machine Learning
3	24MCST11	Building Systems using the Agentic Framework

**PROFESSIONAL ELECTIVE - III**


S. No	Course Code	Course Title
1	24MCST12	Computer Vision
2	24MCST13	Medical Image Processing
3	24MCST14	Reinforcement Learning

**PROFESSIONAL ELECTIVE - IV**

S. No	Course Code	Course Title
1	24MCST15	Bio-Inspired Artificial Intelligence
2	24MCST16	Edge Intelligence
3	24MCST17	Augmented Reality and Virtual Reality

**PROFESSIONAL ELECTIVE - V**

S. No	Course Code	Course Title
1	24MCSM01	Mandatory MOOC

  
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R24 REGULATIONS  
LIST OF OPEN ELECTIVES**

**OPEN ELECTIVE - I**

S. No	Course Code	Course Title	Offering
1	24MCST05	Prompt Engineering	CSE
2	24MECT20	Advanced Embedded systems	ECE
3	24MEET12	Neural Network & Fuzzy Logic	EEE
4	24MMET19	Industrial Robotics	ME
5	24MBST02	English for Research Paper Writing	BS&H

**OPEN ELECTIVE - II**

S. No	Course Code	Course Title	Offering
1	24MCST06	Soft Computing	CSE
2	24MECT21	Communication Networks	ECE
3	24MEET17	Solar Energy Utilization	EEE
4	24MMET20	Computer Integrated Manufacturing	ME
5	24MHMT07	Business Analytics	BS&H



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R24 REGULATIONS  
LIST OF AUDIT COURSES**

S. No	Course Code	Course Title
1	24MHMT01	Disaster Management
3	24MHMT02	Value Education
5	24MHMT03	Pedagogy Studies
6	24MHMT04	Stress Management
7	24MHMT05	Personality Development through Life Enlightenment Skills



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