

SAMRAT ASHOK TECHNOLOGICAL INSTITUTE (ENGG. COLLEGE), VIDISHA (M.P.)
(An Autonomous Institute Affiliated to RGPV, Bhopal)

SCHEME OF EXAMINATION FOR W. E. F. 2025-26

I – SEMESTER: M. TECH. COMPUTER SCIENCE & ENGINEERING

S. No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem Marks	Test (Two)	Quiz/ Assignment	End Sem Practical/ Viva	Quiz/ Assignment	
1.	MCSE-101	Advanced Data Structure	3	1		4	60	20	20			100
2.	MCSE-102	Data Science	3	1		4	60	20	20			100
3.	MCSE-103	Advanced Computer Networks	3	1		4	60	20	20			100
4.	MCSE-104	Elective-I	3	1		4	60	20	20			100
5.	MCSE-105	Elective - II	3	1		4	60	20	20			100
6.	MCSE-106	Lab I	-	-	6	6	-	-	-	100	50	150
7.	MCSE-107	Lab II -Python	-	-	6	6				100	50	150
Total			15	5	12	32	300	100	100	200	100	800

L: Lecture T: Tutorial P: Practical

MCSE - 104 Elective-I	MCSE - 105 Elective-II
(A) Software Testing	(A) Software Metrics & Quality Assurance
(B) Digital Image Processing	(B) Soft Computing
(C) Advanced Computer Architecture	(C) Network Security

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II – SEMESTER: M. TECH. COMPUTER SCIENCE & ENGINEERING

S. No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)	
			L	T	P		End Sem Marks	Test (Two)	Quiz/ Assignment	End Sem Practical/ Viva	Quiz/ Assignment
1.	MCSE-201	Machine Learning	3	1		4	60	20	20		
2.	MCSE-202	Data Mining and Ware Housing	3	1		4	60	20	20		
3.	MCSE-203	Cloud Computing	3	1		4	60	20	20		
2.	MCSE-204	Elective - III	3	1		4	60	20	20		
3.	MCSE-205	Elective - IV	3	1		4	60	20	20		
4.	MCSE-206	Lab III	-	-	6	6	-	-	-	100	50
5.	MCSE-207	Lab IV (Open Source Tools)	-	-	6	6	-	-	-	100	50
Total			15	5	12	32	300	100	100	200	100

L: Lecture T: Tutorial P: Practical

MCSE - 204 Elective-III	MCSE - 205 Elective-IV
(A) Software Project Planning & Management (B) Computer vision (C) Cyber Security	(A) Professional Aspects in Software Engineering (B) Deep Learning (C) Blockchain Technologies

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III – SEMESTER: M. TECH. COMPUTER SCIENCE & ENGINEERING

S. No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem Marks	Test (Two)	Quiz/ Assignment	End Sem Practical/ Viva	Quiz/ Assignment	
1.	MCSE-301	Elective-V	3	-	-	3	60	20	20	-	-	100
2.	MCSE-302	Elective-VI	3	-	-	3	60	20	20	-	-	100
3.	MCSE-303	Industrial Training	-	-	4	4	-	-	-	-	100	100
4.	MCSE-304	Pre-Dissertation (Literature Review/ Problem formulation/ Synopsis/Publication)	-	-	6	6	-	-	-	120	80	200
Total			6	0	10	16	120	40	40	120	180	500

Note:-Students will join NPTEL/SWAYAM Courses (minimum 12 weeks) floated with the commencement of the course every year.

L: Lecture T: Tutorial P: Practical

MCSE-301 Elective-V	MCSE-302 Elective-VI
(A) Big Data Analysis (B) Advanced Databases (C) Distributed Databases	(A) Advanced Software Testing (B) Program Analysis & Verification (C) Software Project Quality Assurance

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IV – SEMESTER: M. TECH. COMPUTER SCIENCE & ENGINEERING

S. No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem Marks	Test (Two)	Quiz/ Assignment	End Sem Practical/ Viva	Quiz/ Assignment	
1.	MCSE-401	Final Dissertation	-	-	20	20	-	-	-	300	200	
Total			-	-	20	20	-	-	-	300	200	

L: Lecture T: Tutorial P: Practical

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