माधव प्राद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
Deemed to be University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ GRADE

Department of Computer Science and Engineering
Scheme of Evaluation
B. Tech. VII Semester *(CSE)*

(for batch admitted in academic session 2021-22)

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted									Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam.
				Theory Slot				Practical Slot			MOOCs								
				End Term Evaluation		Continuous Evaluation			Continuous Evaluation					L	T	P			
				End Sem. Exam	$Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment	End Sem. Exam.	Lab Work & Sessional	Skill Based Mini Project	Assignment	Exam							
1.	DE	DE	Departmental Elective (DE-2)	50	10	20	20	-		-	-	-	100	3	-	-	3	**Blended**	PP
2.	DE	DE	Departmental Elective*(DE-3)	-		-	-	-		-	25	75	100	3	-	-	3	Online	MCQ
3.	DE	DE	Departmental Elective*(DE-4)	-		-	-	-		-	25	75	100	3		-	3	Online	MCQ
4.	OC	OC	Open Category (OC-2)	50	10	20	20	-		-	-	-	100	3	-	-	3	**Blended**	PP
6.	150701	DLC	Departmental Lab (DLC-6)					60	20	20		-	100	-	-	4	2	Offline	SO
7.	150702	DLC	Summer Internship Project-III (04weeks) (Evaluation)(DLC-7)	-		-	-	60		-	-	-	60	-	-	4	2	Online and Mentoring	SO
8.	150703	DLC	Creative Problem Solving(Evaluation)(DLC-8)	-		-	-	25	25		-	-	50	-	-	2	1	Offline	SO
			Total	**100**	**20**	**40**	**40**	**145**	**45**	**20**	**50**	**150**	**610**	**12**	**-**	**10**	**17**	-	
9.	1000008	MAC	Universal Human Values & Professional Ethics (UHVPE)	50	10	20	20	-	-	-	-	-	**100**	**02**	-	-	Grade	Online	MCQ

$Proficiency in course/subject – includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular course/subject

Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Engineering / Language

Credits of Natural Sciences & Skills will be added in the VI Semester

MCQ: Multiple Choice Question **AO:** Assignment + Oral **PP:** Pen Paper **SO:** Submission + Oral

Mode of Teaching						Mode of Examination					Total Credits
Theory				Lab	NEC	Theory			Lab	SIP/SLP/NEC	
Offline	Online	Blended		Offline	Interactive	PP	AO	MCQ	SO	SO	
		Offline	Online								
	6	6	-	5	-	6	-	6	3	2	17
	35	35	-	30	-	35		35	18	12	Credits %

DE-2(Through Traditional Mode)		
S. No.	Subject Code	Subject Name
1.	150711	Adhoc Networks
2.	150712	Data Mining & Warehousing
3.	150713	Distributed Systems

OC-2		
S. No.	Subject Code	Subject Name
1.	900222	Computer Networks
2.		Web Technologies

DE-3*		
S. No.	Subject Code	Subject Name
1.	150765	Reinforcement Learning
2.	150766	Big Data Computing
3.	150767	Design & Implementation of Human-Computer Interfaces

DE-4*		
S. No.	Subject Code	Subject Name
1.	150768	Deep Learning - IIT Ropar
2.	150771	Approximation Algorithm
3	150772	Deep Learning for Computer Vision

List of courses to be opted for Honors or Minor specialization in VII Semester

Minor Specialization* *(to be opted by students of Other Department)*
Software Engineering
Programming in Java
Computer Graphics

Honors* ***(to be opted by students of Parent Department)***	
Track1	**Course**
Information Security	Secure Computation: Part II
	Practical Cyber Security for Cyber Security Practitioners
	Responsible & Safe AI
IoT	Robotics
	Smart Grid: Basics to Advanced Technologies (in place of this float other subject)
High Performance Computing	Parameterized Algorithms
	Statistical Learning for Reliability Analysis

*** Course run through SWAYAM/NPTEL/MOOC Learning Based Platform**

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Department of Computer Science and Engineering
Scheme of Evaluation
B. Tech. V Semester *(CSE)*

(for batch admitted in academic session 2022-23)

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				Theory Slot				Practical Slot										
				End Term Evaluation		Continuous Evaluation		End Sem. Exam.	Continuous Evaluation			L	T	P				
				End Sem. Exam	$Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment		Lab Work & Sessional	Skill Based Mini Project								
1.	2150511	DC	Data Science	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
2.	2150512	DC	Networking with TCP/IP	50	10	20	20	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
3.	2150513	DC	Information Security	50	10	20	20	60	20	20	200	3	-	2	4	Blended	PP	2 Hrs
4.	2150514	DC	Compiler Design	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
5.	2150519	DC	Cloud Computing and Virtualization	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
6.	2150516	DLC	Minor Project-I**	-	-	-	-	60	40	-	100	-	-	4	2	Offline	SO	
7.	2150517	DLC	Summer Internship Project-II (Evaluation) (DLC-4)	-	-	-	-	60	-	-	60	-	-	4	2	SO	SO	-
8.	2150518	SEMINAR SELF STUDY	Self-learning/Presentation (SWAYAM/NPTEL/ MOOC)	-	-	-	-	-	40	-	40	-	-	2	1	Online and Mentoring	SO	-
9.	2000XXX	CLC	Novel Engaging Course	-	-	-	-	50	-	-	50	-	-	2	1	interactive	SO	-
Total				250	50	100	100	290	120	40	950	13	03	16	24			
10.	1000006$$	MAC	Disaster Management	50	10	20	20	-	-		100	2	-	-	Grade	Online	MCQ	1.5 Hrs

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Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Engineering / Language

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MCQ: Multiple Choice Question **AO:** Assignment + Oral **PP:** Pen Paper **SO:** Submission + Oral

Mode of Teaching						Mode of Examination					Total Credits
Theory				Lab	NEC	Theory			Lab	SIP/SLP/NEC	
Offline	Online	Blended		Offline	Interactive	PP	AO	MCQ	SO	SO	
		Offline	Online								
		16	-	7	1	14	-	04	02	04	24
		67	-	29	4	58	-	17	8	17	Credits %

List of courses to be opted for Honors or Minor specialization in V Semester

Minor Specialization*(to be opted by students of Other Department)*
Operating System Fundamentals
Computer Architecture
Programming, Data Structures and Algorithms using Python

Honors*(to be opted by students of Parent Department)*	
Track1	**Course**
Information Security	Cyber Security and Privacy
	Ethical Hacking
IoT	Introduction to Internet of Things
	Sensor Technologies: Physics, Fabrication, and Circuits
High Performance Computing	Multi-Core Computer Architecture
	Randomized Methods in Complexity

***Course run through SWAYAM/NPTEL/MOOC Learning Based Platform**

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Department of Computer Science and Engineering
Scheme of Evaluation
B. Tech. III Semester *(CSE)*

(for batch admitted in academic session 2023-24)

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.
				Theory Slot				Practical Slot										
				End Term Evaluation		Continuous Evaluation		End Sem. Exam.	Continuous Evaluation			L	T	P				
				End Sem. Exam	$Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment		Lab Work & Sessional	Skill Based Mini Project								
1.	3150301	BSC	Discrete Structures	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
2.	3150302	DC	Operating Systems	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
3.	3150303	DC	Design & Analysis of Algorithms	50	10	20	20	40	30	30	200	2	1	2	4	Blended	PP	2 Hrs
4.	3150304	DC	Database Management System	50	10	20	20	40	30	30	200	2	1	2	4	Blended	PP	2 Hrs
5.	3150309	DC	Python Programming	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
6.	3150310	DLC	Problem solving using Python Lab	-	-	-	-	40	30	30	100	-	-	2	1	offline	SO	
7.	3150307	DLC	Self-learning/Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	40	-	40	-	-	2	1	Online and Mentoring	SO	-
8.	200XXX	CLC	**Novel Engaging Course (Informal Learning)**	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO	-
9.	3150308	DLC	Skill Internship Project (Institute Level) (Evaluation)	-	-	-	-	60	-	-	60	-	-	4	2	Offline	SO	-
Total				**250**	**50**	**100**	**100**	**230**	**130**	**90**	**950**	**11**	**05**	**14**	**23**			
10.	1000005	MAC	Project Management & Financing	50	10	20	20				100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
11.	3000004	Natural Science & Skills	Language	50	10	20	20	**30**	**10**	**10**	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

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Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Engineering / Language

Credits of Natural Sciences & Skills will be added in the VI Semester

MCQ: Multiple Choice Question **AO:** Assignment + Oral **PP:** Pen Paper **SO:** Submission + Oral

Mode of Teaching						Mode of Examination					Total Credits
Theory				Lab	NEC	Theory			Lab	SIP/SLP/NEC	
Offline	Online	Blended		Offline	Interactive	PP	AO	MCQ	SO	SO	
		Offline	Online								
		16	-	6	1	15	03	-	01	04	23
		70	-	26	4	65.5	13	-	4	17.5	Credits %