माधव प्रौद्योगिकी 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. VIII Semester *(CSD)*

(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.	Duration 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-5)	-	-	-	-	-		-	25	75	100	3	-	-	3	Online	MCQ	3 Hrs
2.	OC	OC	Open Category (OC-3)	-	-	-	-	-		-	25	75	100	3		-	3	Online	MCQ	3 Hrs
3.	290801	DLC	Internship/Project Project/Innovation & start-up	-	-	-	-	250	150	-	-	-	400	-	-	18	9	Blended	SO	
4.	290802	-	Professional Development#	-	-	-	-	50	-	-	-	-	50	-	-	4	2			
Total				-	-	-	-	300	150	-	50	150	650	06	-	22	17	-		
	Additional Courses for obtaining Honours or minor Specialization by desirous students		Permitted to opt for maximum two additional courses for the award of Honours or Minor specialization																	

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/professional development	Theory			Lab	SIP/SLP/NEC/ professional development	
Offline	Online	Blended		Offline	Interactive	PP	AO	MCQ	SO	SO	
		Offline	Online								
-	06			09	02			06	09	02	17
-	35			53	12			35	53	12	Credits %

DE-5*		
S. No.	Subject Code	Subject Name
1.	290811	GPU Architectures and Programming noc25-cs37
2.	290812	Deep Learning - IIT Ropar noc25-cs21
3.	290813	Selected Topics in Algorithms noc25-cs64

OC-3*		
S. No.	Subject Code	Subject Name
1.		Affective Computing noc25-cs04
2.		Cloud Computing noc25-cs11
3		Compiler Design noc25-cs13

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

Minor Specialization* *(to be opted by students of Other Department)*
Advanced Computer Networks noc25-cs02
Data Mining noc25-cs19
Getting Started with Competitive Programming noc25-cs36

Honors* ***(to be opted by students of Parent Department)***	
Track	**Course**
Information Security	Cryptography and Network Security
	Quantum Algorithms and Cryptography
IoT	Foundation of Cloud IoT Edge ML
	Design and Engineering of Computer Systems
High Performance Computing	Edge Computing
	Embedded System Design with ARM

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

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Department of Computer Science and Engineering
Scheme of Evaluation
B. Tech. VI Semester *(CSD)*

(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			MOOCs									
				End Term Evaluation		Continuous Evaluation		End Sem. Exam.	Continuous Evaluation		Assignment	Exam		L	T	P				
				End Sem. Exam	$Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment		Lab Work & Sessional	Skill Based Mini Project										
1.	2290601	DC	IOT System Design	50	10	20	20	60	20	20	-	-	200	3	-	2	**4**	**Blended**	PP	2 Hrs
2.	2290602	DC	Artificial Intelligence & Machine Learning	50	10	20	20	60	20	20	-	-	200	3	-	2	**4**	**Blended**	PP	2 Hrs
3.	DE	DE	Departmental Elective* (DE-1)	-	-	-	-	-	-	-	25	75	100	3	-	-	**3**	**Blended**	MCQ	3 Hrs
4.	OC	OC	Open Category (OC-1)	50	10	20	20	-	-	-	-	-	100	3	-	-	**3**	**Blended**	PP	2 Hrs
5.	2290603	DLC	Minor Project-II	-	-	-	-	60	40	-	-	-	100	-	-	6	**3**	**Offline**	SO	
6.	200XXX	**CLC**	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	-	-	50	-	-	2	**1**	**SO**	SO	-
8.		**NSS**	Natural Science & Skills	200	40	80	80	120	40	40	-	-	600	1	-	2	**2***	-	-	-
Total				**350**	**70**	**140**	**140**	**350**	**120**	**80**	**25**	**75**	**1350**	**13**	**-**	**14**	**20**			
10.	1000007$$	**MAC**	**Intellectual Property Rights (IPR)**	50	10	20	20	-	-				100	2	-	-	Grade	Online	MCQ	1.5 Hrs

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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								

	3+2*	11	-	3	1	11	-	03+2*	03	01	20
	15+10*	55		15	5	55		15+10*	15	5	Credits %

DE-1*		
S. No.	Subject Code	Subject Name
1.	2290611	Reinforcement Learning noc25-cs62
2.	2290612	Digital Design with Verilog noc25-cs25
3.	290613	Getting Started with Competitive Programming noc25-cs36

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

Minor Specialization* *(to be opted by students of Other Department)*
Programming in Modern C++ noc25-cs58
Introduction To Internet Of Things noc25-cs44

Honors* *(to be opted by students of Parent Department)*	
Track1	**Course**
Information Security	Foundations of Cryptography noc25-cs31
	Secure Computation: Part I noc25-cs63
IoT	Introduction To Industry 4.0 And Industrial Internet Of Things noc25-cs43
	Wireless Ad Hoc and Sensor Networks noc25-cs74
High Performance Computing	Parallel Computer Architecture noc25-cs54
	Linear programming and its applications to computer science noc25-cs77

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Department of Computer Science and Engineering
Scheme of Evaluation
B. Tech. IV Semester *(CSD)*

(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.	3290401	DC	Web Technologies	50	10	20	20	40	30	30	200	3	-	2	4	Blended	PP	2 Hrs
2.	3290402	DC	Microprocessor Design & Interfacing	50	10	20	20	40	30	30	200	2	1	2	4	Blended	PP	2 Hrs
3.	3290403	DC	Software Engineering	50	10	20	20	-	-	-	200	3	-	-	3	Blended	PP	2 Hrs
4.	3290404	DC	Theory of Computation	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
5.	3290405	DC	Computer Networks	50	10	20	20	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
6.	3290406	DLC	Programming Lab	-	-	-	-	40	30	30	100	-	-	4	2	offline	SO	
7.	2000XXX	CLC	Novel engaging courses	-	-	-	-	50	-	-	50	-	-	2	1	Online and Mentoring	SO	-
Total				**250**	**50**	**100**	**100**	**170**	**90**	**90**	**850**	**13**	**02**	**10**	**20**			
10.		MAC	Indian Constitution and Traditional Knowledge	50	10	20	20	-	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
11.	3000005	Natural Science & Skills	Environmental Engineering	50	10	20	20	-	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs

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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								
		15	-	4	1	17	-	-	02	01	20
		75	-	20	5	85	-	-	10	5	Credits %