MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(Deemed to be University)
(Declared Under Distinct Category by Ministry of Education, Government of India)
<u>NAAC Accredited with A++ Grade</u>
Department of Computer Science and Engineering

<u>Semester-Wise General Scheme Structure & Important Guidelines for Flexible Curriculum</u>

(Batch admitted in Academic Session 2024-25 onwards)
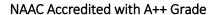
<u>Abbreviations Used</u>

L	Lecture
T	Tutorial
P	Practical
HSMC	Humanities and Social Sciences including Management Courses
BSC	Basic Science Courses
ESC	Engineering Science Courses
DC	Departmental Core
DE	Departmental Elective
SPC	Specialization Courses
OC	Open Category
DLC	Departmental Laboratory Courses
MOOC	Massive Open Online Course
MWS	Mandatory Workshop
SP	Semester Proficiency
SIP	Skill Internship Program
SLP	Self-learning Presentation
PDC	Professional Development Component
PBL	Project Based Learning
PC	Professional Certification
MAC	Mandatory Audit Course
NEC	Novel Engaging Course

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Scheme of Evaluation
B. Tech. I Semester *(Computer Science and Design)* (for batch admitted in academic session 2024-25)

S. No.	Course Code	Category Code	Course Name	Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Major Evaluation	Lab Work & Sessional	Major Evaluation	Total Marks	L	T	P	Total Credits	Mode of Learning	Mode of Major Exam.	Duration of Major Exam.
				Theory Block — Continuous Evaluation				Practical Block — Continuous Evaluation			Contact Hours per week						
1.	29241101	DC	Introduction to CSD	20	20	30	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
2.	29241102	ESC	Computer Programming	20	20	30	30	-	-	100	2	-	-	2	Face to Face	MCQ	2 Hrs
3.	29241103	DC	Digital Circuit Design	20	20	30	30	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs
4.	29241104	DC	Cyber World and Security Concern	20	20	30	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	29241105	BSC	Linear Algebra	20	20	30	30	-	-	100	3	-	-	3	Face to Face	PP	2 Hrs
6.	29241106	DLC	Computer Programming Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	29241107	DLC	Digital Circuit Design Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	29241108	SP	Semester Proficiency$	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	29241109	PBL	Micro Project-I#	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	29241110	HSMC	Language Lab	-	-	-	-	70	30	100	-	-	2	1	Blended	AO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
			Total	100	100	150	150	380	120	1000	12	03	10	20	-	-	-
12.	29241111	MAC	Universal Human Values & Professional Ethics (UHVPE)	20	20	30	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
13.	29241112	MWS	Mandatory Workshop on Indian Constitution and Traditional Knowledge at Department Level (Duration: Two Days)											GRADE	Interactive	MCQ	-

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.

Soft Skill Internship: Minimum 45 hours duration: To be credited Evaluation in II Semester.

$Semester Proficiency– includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in the semester courses

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

Micro Project-I will be presented and evaluated through an interdisciplinary project evaluation committee.

HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
1	1	1	3	0	0	0	2	1	1	0	0	0	1	1	1

Mode of Learning							Mode of Examination							Total Credits
Theory		Lab				NEC	Theory					Lab	NEC	
Face to Face	Online	Face to Face	Blended	Experiential	Experimental	Interactive	PP	AO	MCQ	OB	SO	AO	SO	
14		1	1	1	2	1	6		8		2	3	1	20
70		5	5	5	10	5	30		40		10	15	5	Credits %

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Scheme of Evaluation
B. Tech. II Semester *(Computer Science and Design)* (for batch admitted in academic session 2024-25)

S. No.	Course Code	Category Code	Course Name	Theory Block - Continuous Evaluation - Minor Evaluation I	Theory Block - Continuous Evaluation - Minor Evaluation II	Theory Block - Continuous Evaluation - Quiz/ Assignment	Theory Block - Major Evaluation	Practical Block - Continuous Evaluation - Lab Work & Sessional	Practical Block - Major Evaluation	Total Marks	L	T	P	Total Credits	Mode of Learning	Mode of Major Exam.	Duration of Major Exam.
1.	29241201	DC	Computer Graphics & Animation	20	20	30	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
2.	29241202	DC	Object oriented Programming & Methodology	20	20	30	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	29241203	DC	Computer System and Organization	20	20	30	30	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs
4.	29241204	DC	Operating Systems	20	20	30	30	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs
5.	29241205	ESC	Basic Electrical & Electronics Engineering	20	20	30	30	-	-	100	2	-	-	2	Face to Face	MCQ	2 Hrs
6.	29241206	DLC	Computer Graphics & Animation Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	29241207	DLC	Object oriented Programming & Methodology Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	29241208	DLC	Electrical & Electronics Engineering Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
9.	29241209	SP	Semester Proficiency$	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
10.	29241210	PBL	Micro Project-II#	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
12.	SIP1XXXX	SIP	Skill Internship Program(Soft Skill)	-	-	-	-	60	-	60	-	-	-	2**	Experiential	SO	-
			Total	100	100	150	150	440	120	1060	11	04	10	22	-	-	-
13.	29241211	MAC	Sustainability & Environmental Science	20	20	30	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
14.	29241212	MWS	Mandatory Workshop on Indian Knowledge System at Department Level (Duration: Two Days)											GRADE	Interactive	MCQ	-
			Summer Semester of six-eight week duration will be conducted for makeup of I & II semester examination.														

$Semester Proficiency– includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in the semester courses

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

** These credits will be transferred from Skill Internship Program (Soft Skill).

Micro Project-II will be presented and evaluated through an interdisciplinary project evaluation committee.

HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
0	0	1	4	0	0	0	4	1	1	0	0	0	1	1	1

Mode of Learning								Mode of Examination								Total Credits
Theory		Lab				NEC	SIP	Theory					Lab	NEC	SIP	
Face to Face	Online	Face to Face	Blended	Experiential	Experimental	Interactive	Experiential	PP	AO	MCQ	OB	SO	AO	SO	SO	
14	1	1	-	1	3	1	2	6		8		2	3	1	2	22
63.5	4.5	4.5		14		4.5	9	27.2		36.3		9	14	4.5	9	Credits %