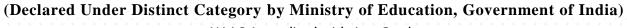


(Deemed University)



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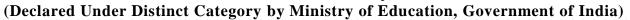




B.Tech. Scheme Admitted Batch 2025



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Department of Engineering Mathematics & Computing Semester-Wise General Scheme Structure & Important Guidelines for Flexible Curriculum

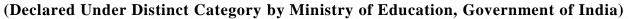
(Batch admitted in Academic Session 2025-26 onwards)

Abbreviations Used

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
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
PSC	Professional Skills & Competencies
PDC	Professional Development Component
PBL	Project Based Learning
PC	Professional Certification
MAC	Mandatory Audit Course
NEC	Novel Engaging Course



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Department of Engineering Mathematics & Computing

Scheme of Evaluation

B. Tech. I Semester (MAC)

(for 2025 batch admitted in academic session 2025-26)

					Ma	ximum Ma	rks Allotte	ed			Con	tact H	ours				
					Theory	Block		Practica	l Block		p	er wee	k		Mada		Duration
S. No.	Course Code	Category Code	Course Name	Cont	inuous Evalu	ation	Maine	Continuous Evaluation	Major	Total Marks				Total Credits	Mode of Learning	of Major Evaluat	of Major Evaluatio
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	- Major Evaluation	Lab Work & Sessional	Evaluation		. L .	T	P			ion	n
1.	25251101	DC	Introduction to Computing	25	25	20	30	-	-	100	3			3	Face to Face	MCQ	2 Hrs
2.	25251102	ESC	Computer Programming	25	25	20	30	-	-	100	2			2	Face to Face	MCQ	2 Hrs
3.	25251103	DC	Advanced Calculus	25	25	20	30	-	-	100	2	1		3	Face to Face	MCQ	2 Hrs
4.	25251104	DC	Digital Logic Design	25	25	20	30	-	-	100	2	1		3	Face to Face	MCQ	2 Hrs
5.	25251105	BSC	Differential Equations	25	25	20	30	-	-	100	3	· . - . ·		3	Face to Face	MCQ	2 Hrs
6.	25251106	DLC	Computer Programming Lab	-	-	-	-	70	30	100			2	1	Experimental	AO	
7.	25251107	DLC	Computing Lab for Data Analysis	-	-	-	-	70	30	100	-		2	1	Experimental	AO	- : - : - : - : - :
8.	25251108	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	50	. · . · .	- : - : -	2	1	Face to Face	SO	: · : · : · : · :
9.	25251109	PBL	Micro Project-I#	-	-	-	-	70	30	100	: - - - :		2	1	Experiential	SO	: . : . : . : . : !
10.	25251110	HSMC	Language Lab	-	-	-	-	70	30	100	- : - : -		2	1	Blended	AO	· · · · · · · · ·
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	. · - · ·		2	1	Interactive	SO	
			Total	125	125	100	150	380	120	1000	12	02	12	20	-	-	-
12.	25251111	MAC	Universal Human Values & Professional Ethics (UHVPE)	25	25	20	30	-	-	100	2			GRADE	Blended	MCQ	1.5 Hrs
13.	25251112	MWS	Mandatory Workshop on Report Writing at Department Level	-	-	-	-	30	-	: : : : : : :	: - : :			GRADE	Interactive	MCQ	· · · · · · ·
14.	25251113	MWS	Mandatory Workshop on Indian Constitution and Cultural Values at Department Level	-	-	-	-	30	-	: : : : : :	: - :			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.

Skill Internship Program (Soft Skill): Minimum 45 hours duration: To be credited in II Semester.

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

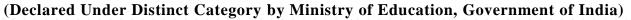
MCQ: Multiple Choice Question **AO:** Assignment + Oral **PP:** Pen Paper **SO:** Submission + Oral **OB:** Open Book [#] Micro Project-I will be presented and evaluated through an interdisciplinary project evaluation committee.

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

Ī			Mode of Learn	ning				M	ode of Examinati	on		Tetal
	Theo	ry	NEC		Lab			The	eory		Lab	Total
	Face to Face	Online	Interactive	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO	Credits
	15			1	1	2	7	3		0	3	20
. [75%	0	5%	5%	5%	10%	35%	15%	35%	0	15%	Credits %



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Department of Engineering Mathematics & Computing Scheme of Evaluation

B. Tech. II Semester (MAC)

(for 2025 batch admitted in academic session 2025-26)

					M	laximum M	Iarks Allott	ed				ntact H					
		Catego			Theor	y Block		Practica	l Block		· [· []	er we	ek		Mode	Mode	Duration of
S. No.	Course Code	ry Code	Course Name	Con	tinuous Evalu	ation	Mata	Continuous Evaluation	36.1	Total Marks				Total Credits	of	Major	Major
		Code		Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Major Evaluation	Lab Work & Sessional	Major Evaluation		L	. T	P		Learning	ion	t Evaluatio n
1.	25251201	DC	Object Oriented Programming & Methodology	25	25	20	30	-	-	100	3	- : - : -		3	Face to Face	MCQ	2 Hrs
2.	25251202	DC	Data Structures	25	25	20	30	-	-	100	2	. 1 .		3	Face to Face	MCQ	2 Hrs
3.	25251203	DC	Numerical Techniques	25	25	20	30	-	-	100	2	-1 -		3	Face to Face	MCQ	2 Hrs
4.	25251204	DC	Computer Organization & Architecture	25	25	20	30	-	-	100	2	1		3	Face to Face	MCQ	2 Hrs
5.	25251205	DC	Linear Algebra	25	25	20	30	-	-	100	2			2	Face to Face	MCQ	2 Hrs
6.	25251206	DLC	Data Structures Lab	-	-	-	-	70	30	100	. - . • .		2	1	Experimental	AO	
7.	25251207	DLC	Object Oriented Programming & Methodology Lab	-	-	-	-	70	30	100			2	1	Experimental	AO	: .
8.	25251208	DLC	Numerical Computation using MATLAB	-	-	-	-	70	30	100			2	1	Experimental	AO	- : - : - : - :
9.	25251209	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	50	. · . · .		2	1	Face to Face	SO	. · . · . · . ·
10.	25251210	PBL	Micro Project-II#	-	-	-	-	70	30	100	· - - - ·		2	1	Experiential	SO	: . : . : . : .
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50		1	1	1	Interactive	SO	- : - : - : - :
12.	SIP1XXXX	SIP	Skill Internship Program (Soft Skill)	-	-	-	-	60	-	60	. · . · .	- : - : -	- :- :	2**	Experiential	SO	.
			Total	125	125	100	150	440	120	1060	11	04	10	22	-	-	-
13.	25251211	MAC	Sustainability & Environmental Science	25	25	20	30	-	-	100	2			GRADE	Blended	MCQ	1.5 Hrs
14.	25251212	MWS	Mandatory Workshop on Indian Knowledge System	n at Departm	ent Level					- : - : - : - :				GRADE	Interactive	MCQ	· · · · · · · · ·
15.	25251213	MWS	Mandatory Workshop on Career Planning & Goal	Setting at De	partment Lev	el (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 MCO: Multiple Choice Question AO: Assignment + Oral PP: Pen Paper SO: Submission + Oral OB: Open Book

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

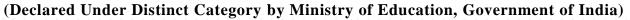
	HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
- [0	0	0	5	0	0	0	3	1	1	1	0	0	1	1	2

			Mode of Learn	ning				M	ode of Examinati	on		Tetal
	Theo	ry	NEC		Lab			The	eory		Lab	Total Credits
	Face to Face	Online	Interactive	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO	Credits
	15	0	· · · · · · · · · · · · · · · · · · ·	0	3	3	7	3	7	0	5	22
٠.	68.18%	0	4.54%	0	13.64%	13.64%	31.81%	13.64%	31.81 %	0	22.72 %	Credits %

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



(Deemed University)





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Department of Engineering Mathematics & Computing Scheme of Evaluation

B. Tech. III Semester (MAC)

(Tentetive for 2025 batch admitted)

						Iaximum M	larks Allot	ted			Con	tact H	ours				
					Theory	y Block		Practica	al Block			er wee			Mode	Mode of	Duration
S. No.	Course Code	Category Code	Course Name	Con	tinuous Eval	uation	3.5.1	Continuous Evaluation	24.1.	Total Marks				Total Credits	of	Major	Major Evaluatio
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	- Major Evaluation	Lab Work & Sessional	Major Evaluation		L	T	P		0	ion	n
1.	25252101	BSC	Simulation Modeling and Analysis	25	25	20	30	-	-	100	- 3		- [-]	3	Face to Face	11100	
2.	25252102	DC	Operating Systems	25	25	20	30	-	-	100	2	1	. · . · ·	3	Face to Face	MCQ	2 Hrs
3.	25252103	DC	Discrete Mathematical Structures	25	25	20	30	-	-	100	2 .	1.		3	Face to Face	MCQ	2 Hrs
4.	25252104	DC	Design and Analysis of Algorithms	25	25	20	30	-	-	100	2.	1 .	'	3	Face to Face	MCQ	2 Hrs
5.	25252105	DC DC	Stochastic Process and Financing Mathematics	25	25	20	30	-	-	100	- 2	1 .	: - - - :	3	Face to Face	MCQ	2 Hrs
6.	25252106	DLC	Simulation Modeling and Analysis Lab	-	-	-	-	70	30	100	3.5		2	1	Experimental	AO	- : - : - : - :
7.	25252107	DLC	Design and Analysis of Algorithms Lab	-	-	-	-	70	30	100			2	1	Experimental	AO	: : : <u>-</u> : : : :
8.	25252108	DLC	Problem Solving through Python Programming	-	-	-	-	70	30	100	- :- :-		2	1	Experimental	AO	· · · · - · · · ·
9.	25252109	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	50	: · : · :		2	1	Face to Face	SO	.
10.	25252110	PBL	Macro Project-I [#]	-	-	-	-	70	30	100	-] -] -	1	2	1	Experiential	SO	· · · · · · · · · · · · · · · · · · ·
11.	25252111	SLP	Self-learning/Presentation SSS (SWAYAM/NPTEL/MOOC)	_	-	-	-	40	-	40			2	1	Mentoring	SO	
12.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	- 1	1		1	Interactive	SO	
			Total	125	125	100	150	420	120	1040	11	05	12	22	•	-	-
13.	25252112	MAC	Cyber Security	25	25	20	30	-	-	100	2		- [-] -	GRADE	Blended	MCQ	1.5 Hrs
14.	25252113	MWS	Mandatory Workshop on Mastering Competitive Su	iccess at Dep	artment Level									GRADE	Interactive	MCQ	

Skill Internship Program (Institute Level) (Qualifier): Minimum 30 hours duration: To be credited in IV Semester

OB: Open Book

PP: Pen Paper **SO:** Submission + Oral

MCQ: Multiple Choice Question **AO:** Assignment + Oral

SSS Compulsory registration for one online course using SWAYAM/NPTEL/ MOOC, evaluation through attendance and presentation.

 HSMC	BSC	ESC	DC	DE	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
	1	0	4	0	0	3.	1	1	0	1	0	1	1	1::::

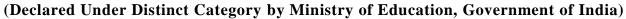
Ī			Mode of Learn	ning				Mo	ode of Examination	on		T-4-1
٠.	Theory	y	NEC		Lab			The	ory		Lab	Total Credits
	Face to Face	Online	Interactive	Mentoring	Experiential	Experimental	PP	AO	MCQ	OB	SO	Credits
٠.	16	0	1	1	1	3	7.5	3	7.5	0	4	22
:[72.73%	0	4.54%	4.54 %	4.54 %	13.64%	34.09 %	13.64%	34.09 %	0	18.18 %	Credits %

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

^{*}Macro Project-I will be presented and evaluated through an interdisciplinary project evaluation committee.



(Deemed University)





NAAC Accredited with A++ Grade

Department of Engineering Mathematics & Computing Scheme of Evaluation

B. Tech. IV Semester (MAC)

(Tentetive for 2025 batch admitted)

					M	aximum M	arks Allott	ted			Con	tact H	ours				
					Theory	Block		Practical	Block		p	er wee	k		Mode	Mode	Duration of
S. No.	Course Code	Category Code	Course Name	Cont	inuous Evalu	ation	- Major	Continuous Evaluation	Major	Total Marks				Total Credits	of Learning	Major Evaluat	Major Evaluatio
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Evaluation	Lab Work & Sessional	Evaluation		L	T	P			ion	n
1.	25252101	DC	Data Science	25	25	20	30	-	-	100	2	1		3	Face to Face	MCQ	2 Hrs
2.	25252102	DC	Database Management System	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	25252103	DC	Software Engineering	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	25252104	BSC	Transforms and Vector Calculus	25	25	20	30	-	-	100	2	. 1.	-	3	Face to Face	MCQ	2 Hrs
5.	25252105	DC	Number Theory and Cryptography	25	25	20	30	-	-	100	. 3			3	Face to Face	MCQ	2 Hrs
6.	25252106	DLC	Data Science Lab	-	-	-	-	70	30	100			2	1	Experimental	AO	-
7.	25252107	DLC	Database Management System Lab	-	-	-	-	70	30	100		. ' ' .	2	1	Experimental	AO	
8.	25252108	DLC	Competitive Programming	-	-	-	-	70	30	100	' .		2	1	Experimental	AO	
9.	25252109	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	50	· . - . ·	. 1 e 1 .	2	1	Face to Face	SO	
10.	25252110	PBL	Macro Project-II#	-	-	-	-	70	30	100	· · · ·		2	1	Experiential	SO	.
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	· ; - ; ·	1	13.	1	Interactive	SO	
12.	SIP3XXXX	SIP	Skill Internship Program (Evaluation)	-	-	-	-	60	-	60	· - · .	- 1-1-	Ņ	2**	Experiential	SO	.
			Total	125	125	100	150	440	120	1110	11	05	12	23	-	-	-
13.	25252211	MAC	Project Management, Economics & Financing	25	25	20	30	-	-	100	2	1	1	GRADE	Blended	MCQ	1.5 Hrs
14.	25252212	MWS	Mandatory Workshop on Writing Research Articles	: Idea to Pub	lication at Dep	artment level				- : - : - : - : -		- [- [-		GRADE	Interactive	MCQ	.
15.	25252213	MWS	Mandatory Workshop on Intellectual Property Righ	ts at Departr	nent Level				- : - : - : - : - : - : -		- : - : -		- : - : -	GRADE	Interactive	MCQ	-
			Summer Semester of six	-eight week	duration wil	l be conducte	ad for make	un of provious	comostor or	zaminatio	n						

Summer Semester of six-eight week duration will be conducted for makeup of previous semester examination.

Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree

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

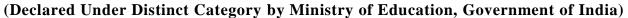
[#]Macro Project-II will be presented and evaluated through an interdisciplinary project evaluation committee. These credits will be transferred from Skill Internship Programme.

- [PC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
	0	1	0	4	0	0	0	3	1		1	0	0	1	1	2

			Mode of Learn	ning				M	ode of Examinati	o n		Total
٠	The	Theory NEC Lab						The	eory		Lab	Total Credits
	Face to Face	Online	Interactive	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO	Credits
	16	0	1	1	3	3	7.5	3	7.5	0	5	23
	66.66 %	0	4.17 %	4.17 %	12.5 %	12.5 %	32.60%	12.5 %	32.60 %	0	21.74 %	Credits %



(Deemed University)





NAAC Accredited with A++ Grade

Department of Engineering Mathematics & Computing

Scheme of Evaluation

B. Tech. V Semester (MAC)

(Tentetive for 2025 batch admitted)

ce Category Code 01 DC 02 DC 03 DC	Computer Networks and Protocols Theory of Computation	Minor	Theory nuous Eval Minor Evaluation II	uation	Major Evaluation	Practical Continuous Evaluation Lab Work	Major	MOG		Total Marks	pe	er wee	k	Total Credits	Mode of	of Major	Duration of Major
Code 101 DC 102 DC	Computer Networks and Protocols Theory of Computation	Minor Evaluation I	Minor Evaluation II	Quiz/	Evaluation	Evaluation Lab Work									of	Major	~
02 DC	Computer Networks and Protocols Theory of Computation	Evaluation I	Evaluation II	~ car2.	Evaluation	Lab Work									Learning	Evaluat	Evaluatio
02 DC	Protocols Theory of Computation	20	20			& Sessional	Evaluation	Assignment	Exam		L	T .	. P			ion	n
	1 1 1 1 7 7 1 1 1 1 1 1 1 1 1		20	30	30	-	-	-	-	100	2	1	: :	3	Face to Face	MCQ	2 Hrs
03 DC		20	20	30	30	-	-	-	-	100	2	1	: - : - :	3	Face to Face	PP	2 Hrs
	Artificial Intelligence & Machine Learning	20	20	30	30	-	-	-	-	100	2	1	: - : :	3	Face to Face	MCQ	2 Hrs
04 DC	Descriptive Statistics with R programming	20	20	30	30	-	-	-	-	100	2	-1		3	Face to Face		2 Hrs
05 DE	Departmental Elective* (DE-1)	-	-	-	-	-	-	25	75	100	3	1	- : - : -	3	Online	MCQ	3 Hrs
06 DLC	Descriptive Statistics with R programming Lab	-	-	-	-	70	30	-	-	100			2	1	Experimental	AO	· · · · · ·
07 DLC	Artificial Intelligence & Machine Learning Lab	-	-	-	-	70	30	-	-	100		13:1	2	1	Experimental	AO	· · · · · ·
08 SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	-	-	50			2	1	Face to Face	SO	
09 PSC	Professional Skill & Competencies-I	-	-	-	-	70	30	-	-	100		13:1	4	2	Face to Face	MCQ	2 Hrs
10 PBL	Cornerstone Project	-	-	-	-	70	30	-	-	100			4	2	Experiential	SO	
7	Total	80	80	120	120	330	120	25	75	950	11	04	14	22	-	-	-
11 MAC	C Supply Chain Management	20	20	30	30	-	-			100	2	- [- [-	: - : - :	GRADE	Blended	MCQ	1.5 Hrs
	S Mandatory Workshop on Interns	hips: Explor	re, Apply and	d Excel at De	partment Le	evel			- : - : - : - : - :					GRADE	Interactive	MCO	
(07 DLC 08 SP 09 PSC 10 PBI	programming Lab Artificial Intelligence & Machine Learning Lab 88 SP Semester Proficiency PSC Professional Skill & Competencies-I Cornerstone Project Total MAC Supply Chain Management	programming Lab Artificial Intelligence & Machine Learning Lab 88 SP Semester Proficiency Professional Skill & Competencies-I Cornerstone Project Total MAC Supply Chain Management 20	Programming Lab Artificial Intelligence & Machine Learning Lab SP Semester Proficiency PSC Professional Skill & Competencies-I Cornerstone Project Total 80 80 MAC Supply Chain Management 20 20				Programming Lab	Programming Lab	Programming Lab	Programming Lab	DLC Artificial Intelligence & Machine - - - - - 70 30 - - 100 -	Programming Lab	Programming Lab	DLC Artificial Intelligence & Machine - - - - 70 30 - - 100 - - 2 1	DLC Artificial Intelligence & Machine - - - - 70 30 - - 100 - - 2 1 Experimental	DLC Artificial Intelligence & Machine - - - - 70 30 - - 100 - - 2 1 Experimental AO

Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree

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

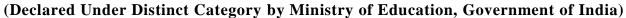
* Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform

	HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PSC	PBL	MAC	MWS
- [0	0	0	4	1	0	0	2	0	1	0	0	0	1	1	1	1

		Mode of Learning				M	ode of Examinati	on		
The	ory		Lab			The	eory		Lab	Total Credits
Face to Face	Online	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO	
13	3	0	2	2	6	2		0	3	20
65 %	15 %	0	10 %	10 %	30 %	10 %	45 %	0	15 %	Credits %



(Deemed University)





NAAC Accredited with A++ Grade

Department of Engineering Mathematics & Computing Scheme of Evaluation

B. Tech. VI Semester (MAC)

(Tentetive for 2025 batch admitted)

						Ma	aximum M	arks Allott	ed				Con	tact I	Iours				
					Theory	Block		Practical	Block	MO	OCs		p	er we	ek				Duration
S. No.	Course Code	Category Code	Course Name	Conti	inuous Evalu	ation	M	Continuous Evaluation	24.			Total Marks				Total Credits	Mode of	of Major	of Major Evaluatio
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Major Evaluation	Lab Work & Sessional	Major Evaluation	Assignment	Exam		L	T	. P.		Learning	Evaluat ion	n n
1.	25253201	DC	Compiler Design	20	20	30	30	-	-	-	-	100	2	. 1.		3	Face to Face	MCQ	2 Hrs
2.	25253202	DC	Cloud Computing and Virtualization	20	20	30	30	-	-	-	-	100	2	1	: -::	3	Face to Face	MCQ	2 Hrs
3.	25253203	DC	Data Mining & Warehouse	20	20	30	30	-	-	-	-	100	3		:	3	Face to Face		2 Hrs
4.	25253204	DE	Departmental Elective* (DE-2)	-	-	-	-	-	-	25	75	100	3		- : - :	3	Online	MCQ	3 Hrs
5.	25253205	OC	Open Category Course (OC-1)	20	20	30	30	-	-	-	-	100	2	1	. · . · .	3	Face to Face	PP	2 Hrs
6.	25253206	DLC	Cloud Computing and Virtualization Lab	-	-	-	-	70	30	-	-	100			2	1	Experimental	AO	
7.	25253207	DLC	Data Mining & Warehouse Lab	-	-	-	-	70	30	-	-	100		- 7-1	2	1	Experimental	AO	
8.	25253208	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	-	-	50			2	1	Face to Face	SO	· . · . · . · . ·
9.	25253209	PC	Professional Certification	-	-	-	-	50	-	-	-	50			2	1	Blended	SO	.
10.	25253210	PSC	Professional Skill & Competencies-II	-	-	-	-	70	30	-	-	100			4	2	Face to Face	MCQ	2 Hrs
11.	25253211	PBL	Capstone Project	-	-	-	-	70	30	-	-	100			4	2	Experiential	SO	
		Т	Cotal	80	80	120	120	380	120	25	75	1000	12	03	16	23	-	•	-
12.	25253212	MAC	Disaster Management	20	20	30	30	-	-	-	-	100	2	3-11	- 2 .	GRADE	Blended	MCQ	1.5 Hrs
13.	25253213	MWS	Mandatory Workshop on Placen	ent Readines	ss: Building Re	esume and M	lastering Inte	erview at Depa	rtment Level							GRADE	Interactive	MCQ	

Skill Enhancement Program/Research Internship/On Job Training for Four weeks duration

Summer Semester of six-eight week duration will be conducted for makeup of Previous semester examination.

Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree

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

PP: Pen Paper **SO:** Submission + Oral

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

MCQ: Multiple Choice Question AO: Assignment + Oral

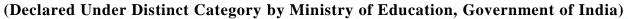
DLC NEC SIP **PDC PSC** PBL MAC **HSMC BSC ESC** DC DE PC \mathbf{OC} SP **SLP** MWS 3 0 0 0 0

OB: Open Book

. 1			Mode of Learning				M	ode of Examinati	on		
	The	ory		Lab			The	eory		Lab	Total Credits
٠.	Face to Face	Online	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO	
٠,	13	3		2	2	6	2	9	0		20
	65 %	15 %	0	10 %	10 %	30 %	10 %	45 %	0	15 %	Credits %



(Deemed University)





NAAC Accredited with A++ Grade

Department of Engineering Mathematics & Computing Scheme of Evaluation

B. Tech. VII Semester (MAC)

(Tentetive for 2025 batch admitted)

						Ma	ximum Ma	rks Allotted						tact H					
					Theory	Block		Practical	Block	MOC	OCs		pe	er wee	k			Mode	Duration
S. No.	Course Code	Category Code	Course Name	Cont	inuous Evalu	ation	Major	Continuous Evaluation	Major			Total Marks				Total Credits	Mode of Learning	of Major Evaluat	of Major Evaluatio
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Evaluation	Lab Work & Sessional	Evaluation	Assignment	Exam		L.	T .	P		Dearling	ion	n
1.	25254101	DE	Departmental Elective [#] (DE-3)	20	20	30	30	-	-	-	-	100	3	.		3	Face to Face	PP	2 Hrs
2.	25254102	DE	Departmental Elective* (DE-4)	-	-	-	-	-	-	25	75	100	3	· ; - ; ·		3	Online	MCQ	3 Hrs
3.	25254103	OC	Open Category Course* (OC-2)	-	-	-	-	-	-	25	75	100	3			3	Online	MCQ	3 Hrs
4.	25254104	SEP	Skill Enhancement Program/Research Internship/On Job Training	-	-	-	-	-	50	-	-	50		: - :		1**	Face to Face	SO	
5.	25254105	DLC	Creative Problem Solving	-	-	-	-	-	50	-	-	50	: - : - :	-	2	1	Experiential	SO	
		,	Total	20	20	30	30	-	100	50	150	400	9	-	02	11	-	-	-

Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree

MCQ: Multiple Choice Question AO: Assignment + Oral

PP: Pen Paper **SO:** Submission + Oral

OB: Open Book

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

Course run through MITS-DU MOOCs

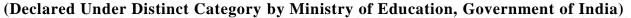
	HSMC	BSC	ESC	DC	DE	OC	DLC	NEC	SEP	SIP	SLP	PDC	PBL	MAC	MWS
1	0	0	0	0	2	1	1	0	1	0	0	0	0	0	0

- [N	Iode of Learning				M	ode of Examinati	on		
	The	eory		Lab			The	ory		Lab	Total Credits
	Face to Face	Online	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO	
. "	10		0		0		0	6		2 2	. 14
- [71.43 %	21.43 %	0	7.14 %		42.86 %	42.86 %			14.28 %	Credits %

^{**} These credits will be transferred from Skill Enhancement Program/Research Internship/On Job Training



(Deemed University)





NAAC Accredited with A++ Grade

Department of Engineering Mathematics & Computing Scheme of Evaluation

B. Tech. VIII Semester (MAC)

(Tentetive for 2025 batch admitted

						Max	imum Ma	rks Allotte	ed					ntact I				Mada	D4'	
					Theory	Block		Practica	l Block	MOO	Cs		F	er we	ek		Mode	of	Duration of	
S. No.	Course Code	Category Code	Course Name	Conti	nuous Eval	uation						Total Marks				Total Credits	of	Major		
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Major Evaluation	Continuous Evaluation		Assignment	Exam		L	T	P		Learning	Evaluat ion	Evaluatio n	
1.	25254201	DE	Departmental Elective* (DE-5)	-	-	-	-	-	-	25	75	100	3			3	Online	MCQ	3 Hrs	ŀ
2.	25254202	OC	Open Category Course* (OC-3)	-	-	-	-	-	-	25	75	100	3	: - : · :	- : - : :	2	Online	MCQ	3 Hrs	ŀ
3.	25254203	PBL	Industry Internship/Research Internship/ Innovation & Start-up	-	-	-	-	280	120	-	- 1	400		: :	20	10	Experiential	SO	: .	
4.	25254204	PDC	Professional Development##	-	-	_	-	-	50	-	- 1	50	-		4	2	Interactive	SO	-	
	_	,	Total	-	-	-	-	280	170	50	150	650	06	-	24	17	-	-	-	ŀ

Summer Semester of six-eight week duration will be conducted to complete any backlog courses.

Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree

 $\boldsymbol{MCQ:}\ \boldsymbol{Multiple}\ \boldsymbol{Choice}\ \boldsymbol{Question}\ \boldsymbol{AO:}\ \boldsymbol{Assignment} + \boldsymbol{Oral}$

PP: Pen Paper

SO: Submission + Oral

OB: Open Book

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

^{**}Evaluation will be based on participation/laurels brought by the students to the institution in national/state level technical and other events during the complete tenure of the UG programme (participation in professional chapter activities, cultural events, sports, personality development activities, collaborative events, MOOCs, technical events, institute/department committees, etc.)

HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
 0	0		0	1	0 - 0	1	0, 0, 0		0.00	0	0	1	1		0, 0

٠[Mo	de of Learning				M	ode of Examinati	on		
	,	Theory		Lab			The	eory		Lab	Total Credits
	Face to Face	Online	Interactive	Experiential	Experimental	PP	AO	MCQ	OB	SO	
			2		0 0	0	0	6	0	12	18
	0	33.33 %	11.11	55.55 %	0	0	0	33.33 %	0	66.67 %	Credits %