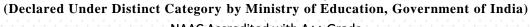


(Deemed University)





NAAC Accredited with A++ Grade

Department of Civil Engineering

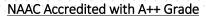
Semester-Wise General Scheme Structure & Important Guidelines for Flexible Curriculum (Batch admitted in Academic Session 2024-25 onwards) Abbreviations Used

L	Lecture
\mathbf{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



(Deemed University)

(Declared Under Distinct Category by Ministry of Education, Government of India)



Department of Civil Engineering

Scheme of Evaluation

B. Tech. I Semester (Civil Engineering)

(for batch admitted in academic session 2024-25)

					M	aximum M	Iarks Allo	tted			Con	tact H	lours				
					Theor	y Block		Practica	l Block		p	er we	ek			N . 1	D
S. No	Course Code	Category Code	Course Name	Conti	nuous Eval	uation	Maian	Continuous Evaluation	Maian	Total Marks				Total Credits	Mode of Learning	of Major	Duration of Major Evaluation
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Major Evaluation	Lab Work & Sessional	Major Evaluation		L	T	P				
1.	11241101	DC	Civil Engineering Materials & Construction	20	20	30	30	-	-	100	3	- :- :		3	Face to Face	PP	2 Hrs
2.	11241102	ESC	Computer Programming	20	20	30	30	-	-	100	2	- :- :	: : - : :	2	Face to Face	MCQ	2 Hrs
3.	11241103	DC	Engineering Mechanics	20	20	30	30	-	-	100	2	1.1	- : - : -	3	Face to Face	MCQ	2 Hrs
4.	11241104	DC	Building Design & Drawing	20	20	30	30	-	-	100	2	1	· :	3	Face to Face	PP	2 Hrs
5.	11241105	ESC	Basic Electrical & Electronics Engineering	20	20	30	30	-	-	100	2	:	· :- : ·	2	Face to Face	MCQ	2 Hrs
6.	11241106	DLC	Computer Programming Lab	-	-	-	-	70	30	100	- - - :		2	1	Experimental	AO	· · · · · · · · ·
7.	11241107	DLC	Electrical & Electronics Engineering Lab	-	-	-	-	70	30	100		- :- :	2	1	Experimental	AO	
8.	11241108	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	50			2	1	Face to Face	SO	
9.	11241109	PBL	Micro Project-I#	-	-	-	-	70	30	100	: - : :		2	1	Experiential	SO	
10	. 11241110	ESC	Engineering Chemistry Lab ^{\$\$}	-	-	-	-	70	30	100			2	1	Experimental	AO	- : · : - : · : · :
11	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	-	50	50	<u>-</u> - (1	- : - : -	1	Interactive	SO	
			Total	100	100	150	150	330	170	1000	11	03	10	19	-	-	-
12	. 11241111	MAC	Universal Human Values & Professional Ethics (UHVPE)	20	20	30	30	-	-	100	2			GRADE	Blended	MCQ	1.5 Hrs
13	11241112	MWS	Mandatory Workshop on Indian Constitution and	Fraditional K	nowledge at	Department	Level (Dura	tion: Two Day	s)					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.

MCQ: Multiple Choice Question AO: Assignment + Oral PP: Pen Paper SO: Submission + Oral This course will be distributed in the I Year Group wise among the programmes where ever required.

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

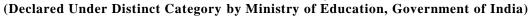
	HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
- 1	0	0	3	3	0	0	0	2	1	1	0	0	0	1	1	1

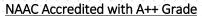
			Mode	of Learning					Mo	de of Examinat	tion			Total
	Theory	Theory NEC Lab						The	ory		La	ıb	NEC	Credits
. 1	Face to Face Online Interactive Face to Face Experiential Experime				Experimental	PP	AO	MCQ	OB	SO	AO	SO	Credits	
. "	13		1	1	1	3	6		7		2	3	1	19
	68.42%		5.26%	5.26%	5.26%	15.8%	31.6%		36.84%		10.52%	15.8%	5.26%	Credits %

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



(Deemed University)





Department of Civil Engineering

Scheme of Evaluation

B. Tech. II Semester (Civil Engineering)

(for batch admitted in academic session 2024-25)

							1arks Allo	tted	8/			tact H					
					Theory	Block		Practica	l Block		p	er wee	k		Mada	Mada	D
S. No.	Course Code	Category Code	Course Name	Cont	inuous Evalu	ation	Matan	Continuous Evaluation	Major	Total Marks				Total Credits	Mode of Learning	Mode of Major	Duration of Major Evaluation
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Major Evaluation	Lab Work & Sessional	Evaluation		L	T	P		Learning	Evaluation	Evaluation
1.	11241201	DC	Surveying	20	20	30	30	-	-	100	3			3	Face to Face	MCQ	2 Hrs
2.	11241202	DC	Strength of Material	20	20	30	30	-	-	100	2	1	:	3	Face to Face	MCQ	2 Hrs
3.	11241203	DC	Concrete Technology	20	20	30	30	-	-	100	2	. 1.		3	Face to Face	MCQ	2 Hrs
4.	11241204	DC	Fluid Mechanics – I	20	20	30	30	-	-	100	2	1 -	. ;- ; .	3	Face to Face	PP	2 Hrs
5.	11241205	BSC	Matrices & Calculus	20	20	30	30	-	-	100	3			3	Face to Face	PP	2 Hrs
6.	11241206	DLC	Building Materials & Construction Lab	-	-	-	-	70	30	100	7.1	7	2	1	Experimental	AO	
7.	11241207	DLC	Problem Solving through Python Programming	-	-	-	-	70	30	100			2	1	Experimental	AO	
8.	11241208	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	50			2	1	Face to Face	SO	
9.	11241209	PBL	Micro Project-II#	-	-	-	-	70	30	100	:	:	2	1	Experiential	SO	· . · . · . · . · . · .
10.	11241210	ESC	Engineering Physics Lab ^{\$\$}	-	-	-	-	70	30	100			2	1	Experimental	AO	
11.	11241211	HSMC	Language Lab	-	-	-	-	70	30	100			2	1	Blended	AO	
12.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	-	50	50		1		1	Interactive	SO	
13.	SIP1XXXX	SIP	Skill Internship Program (Soft Skills)	-	-	-	-	42	18	60	×			2**	Experiential	SO	
			Total	100	100	150	150	442	218	1160	12	04	12	24	•	-	-
14.	11241212	MAC	Sustainability & Environmental Science	20	20	30	30	-	-	100	2		- :- :-	GRADE	Blended	MCQ	1.5 Hrs
15.	11241213	MWS	Mandatory Workshop on Indian Knowledge Syste	em at Depart	ment Level	Duration: T	wo Days)				- : - : - :			GRADE	Interactive	MCQ	
			Summer Semester of	six-eight w	eeks duratio	on will be c	onducted fo	r makeup of	I & II seme	ester exan	ninati	on.					

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

[#]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
	1	- 1 - 1	1	4	0	0	0	2	1	1.	1.	0	0	1	- 1 - 1 - 1 - 1	1

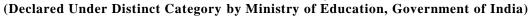
1				Mode of Learni	ng					Mod	le of Examina	tion			Tetal
I	Theory	,	NEC]	Lab			The	eory		La	ab	NEC	Total Credits
I	Face to Face	Online	Interactive	Face to Face	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO	AO	SO	Credits
·	15		1	1	1	3	3	6		. 9		4	4	1	24
-[15 1 1 1 3 3 3 62.5% 4.17% 4.17% 4.17% 12.5% 12.5%						12.5%	25%		37.5%		16.67%	16.67%	4.17%	Credits %

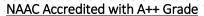
⁵⁵ This course will be distributed in the I Year Group wise among the programmes where ever required.

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



(Deemed University)





Department of Civil Engineering

Scheme of Evaluation

B. Tech. III Semester (Civil Engineering)

(for batch admitted in academic session 2024-25

						Iaximum M		ted			Con	tact H	lours				
					Theor	y Block		Practica	l Block		p	er we	ek			Mode	Duration of
S. No.	Course Code	Category Code	Course Name	Cont	inuous Eva	luation	Maine	Continuous Evaluation	Maian	Total Marks				Total Credits	Mode of Learning	of Major Evaluation	Major
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	- Major Evaluation	Lab Work & Sessional	Major Evaluation		· L	T	P				
1.	11242101	BSC	Transforms & Vector Calculus	20	20	30	30	-	-	100	3.	:		3	Face to Face	PP	2 Hrs
2.	11242102	DC	Data Structures	20	20	30	30	-	-	100	2	- 1	· · · · · ·	3	Face to Face	MCQ	2 Hrs
3.	11242103	DC	Fluid Mechanics – II	20	20	30	30	-	-	100	2	1.1	- : - : -	3	Face to Face	PP	2 Hrs
4.	11242104	DC	Geotechnical Engineering	20	20	30	30	-	-	100	2	1		3	Face to Face	MCQ	2 Hrs
5.	11242105	DC	Structural Analysis	20	20	30	30	-	-	100	2	. 1.		3	Face to Face	OB	2 Hrs
6.	11242106	DLC	Fluid Mechanics Lab	-	-	-	-	70	30	100			2	1	Experimental	AO	· · · · · · ·
7.	11242107	DLC	Survey Practice Lab	-	-	-	-	70	30	100			2	1	Experimental	SO	
8.	11242108	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	50			2	1	Face to Face	SO	
9.	11242109	PBL	Macro Project-I#	-	-	-	-	70	30	100			2	1	Experiential	SO	
10.	11242110	SLP	Self-learning/Presentation ^{SSS} (SWAYAM/NPTEL/MOOC)	-	-	-	-	40	-	40	: - <u>-</u> :		2	1	Mentoring	SO	: : : : : : :
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	-	50	50		1	- : - : :	1	Interactive	SO	: : : : : : : : :
			Total	100	100	150	150	300	140	940	11	05	10	21	-	-	-
12.	11242111	MAC	Cyber Security	20	20	30	30	-	-	100	2		-	GRADE	Blended	MCQ	1.5 Hrs
13.	11242112	MWS	Mandatory Workshop on Internet of Things (IoT	at Departm	ent Level (D	uration: Two I	Days)							GRADE	Interactive	MCQ	
			Skill Internship Program	(Institute)	Level) (Oua	lifier): Mini	num 30 hoi	ırs duration:	To be cred	ited in 1	V Sei	meste	r				

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

^{\$55} Compulsory registration for one online course using SWAYAM/NPTEL/ MOOC, evaluation through attendance and presentation.

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

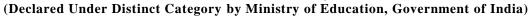
.]				Mode of Learn	ing					Mod	e of Examina	tion			Trade 1
٠.[Theory	Theory NEC Lab							The	eory		La	ab	NEC	Total Credits
. [Experimental	PP	AO	MCQ	OB	SO	AO	SO	Credits	
	15		1		1	1	2	6		6	3	4	1	1	21
· [71.5%		4.76%	4.76%	4.76%	4.76%	9.5%	28.6%		28.6%	14.3%	19.05%	4.76%	4.76%	Credits %

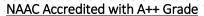
Semester Proficiency—includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in the semester courses MCQ: Multiple Choice Question AO: Assignment + Oral PP: Pen Paper SO: Submission + Oral OB: Open Book

[#]Macro Project-I will be presented and evaluated through an interdisciplinary project evaluation committee.



(Deemed University)





Department of Civil Engineering

Scheme of Evaluation

B. Tech. IV Semester (Civil Engineering)

(for batch admitted in academic session 2024-25

					M	aximum N	Marks Allo	tted			Con	tact H	ours				
					Theory	Block		Practical	Block		p	er wee	k		Mode	Mode	Duration of
S. No.	Course Code	Category Code	Course Name	Contin	uous Evalu	ation	Major	Continuous Evaluation	Major	Total Marks				Total Credits	of Learning	of Major	Major Evaluation
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Evaluation	Lab Work & Sessional	Evaluation		L	T	P				
1.	11242201	DC	Highway Engineering	20	20	30	30	-	-	100	2	1.	. ' - ' .	3	Face to Face	MCQ	2 Hrs
2.	11242202	DC .	Water Supply Engineering	20	20	30	30	-	-	100	2	. 1	` , - , '	3	Face to Face	MCQ	2 Hrs
3.	11242203	DC.	Estimating Costing & Contracting	20	20	30	30	-	-	100	. 2.	1.1.	. '- ' .	3	Face to Face	PP	2 Hrs
4.	11242204	DC .	Foundation Engineering	20	20	30	30	-	-	100	2	. 1 .	1,40	3	Face to Face	MCQ	2 Hrs
5	11242205	DC	Structural Design & Drawing (RCC)	20	20	30	30	-	-	100	3.		. · . · .	3	Face to Face	PP	2 Hrs
6.	11242206	DLC	Highway Engineering Lab	-	-	-	-	70	30	100		-	2	1	Experimental	AO	· . · . · . . · . · . · .
7.	11242207	DLC	Geotechnical Engineering Lab	-	-	-	-	70	30	100			2	1	Experimental	AO	- : - : - : - : - :
8.	11242208	DLC	Strength of Materials Lab	-	-	-	-	70	30	100	4	7	2	1	Experimental	AO	
9.	11242209	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	50	-1		2	1	Face to Face	SO	
10.	11242210	PBL	Macro Project-II#	-	-	-	-	70	30	100	-		2	1	Experiential	SO	
11.	11242211	PC	Professional Certification	-	-	-	-	50	-	50	1.		2	1	Blended	SO	- : - : - : - : - : - : - : - : - : - :
12.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	-	50	50	1	1	4.	1	Interactive	SO	
13.	SIP2XXXX	SIP	Skill Internship Program (Institute Level)	-	-	-	-	42	18	60	1			2**	Experiential	SO	
			Total	100	100	150	150	422	188	1110	11	05	12	24	-	-	-
14.	11242212	MAC	Project Management, Economics & Financing	20	20	30	30	-	-	100	2	. 14.1	1,20	GRADE	Blended	MCQ	1.5 Hrs
15.	11242213	MWS	Mandatory Workshop on Computer Vision at Dep	artment Lev	el (Duration	: Two Days)								GRADE	Interactive	MCQ	
16.	11242214	MWS	Mandatory Workshop on Life Skills at Departmen	t Level (Dur	ation: Two I	Days)								GRADE	Interactive	MCQ	· . · . · . · . · . · .
. 1			Summer Semester of si	v oight was	ka dunatio	will be see	nducted for	makaun of nr	ariona como	cton ovo	mina	tion				•	

Summer Semester of six-eight weeks 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

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

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

-				Mode of Learni	ng					Mod	le of Examina	tion			T-4-1
	Theory	7	NEC]	Lab			The	eory		La	ab	NEC	Total Credits
٠	Face to Face	Online	Online Interactive Face to Face Blended Experiential Experimental						AO	MCQ	OB	so	AO	SO	Credits
ď	15		1	1	1 1	3	3	6		9		5	3	1.	24
	62.5%		4.17%	4.17%	4.17%	12.5%	12.5%	25%		37.5%		20.83%	12.5%	4.17%	Credits %

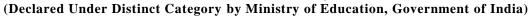
^{\$}Semester Proficiency- includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in the semester courses

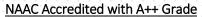
MCQ: Multiple Choice Question AO: Assignment + Oral PP: Pen Paper SO: Submission + Oral

[#] Macro Project-II will be presented and evaluated through an interdisciplinary project evaluation committee.



(Deemed University)





Department of Civil Engineering

Scheme of Evaluation

B. Tech. V Semester (Civil Engineering)

(for batch admitted in academic session 2024-25)

						Ma	aximum M	arks Allotte	ed				Con	tact H	ours				
					Theory	Block		Practical	Block	MOOO	Cs		p	er wee	k		Mode	Mode	Duration of
S. No. 1. 2. 3. 4. 5. 6. 7. 8. 9.	Course Code	Category Code	Course Name	Conti	nuous Evalı	uation	Majan	Continuous Evaluation	Majon			Total Marks				Total Credits	of Learning	of Major	Major Evaluation
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	- Major Evaluation	Lab Work & Sessional	Major Evaluation	Assignment	Exam		L	T	P				
1.	11243101	DC	Waste Water Engineering	20	20	30	30	-	-	-	1	100	2	1		3	Face to Face	MCQ	2 Hrs
2.	11243102	DC	Structural Design & Drawing (Steel)	20	20	30	30	-	1	-	1	100	2	1		3	Face to Face	PP	2 Hrs
3.	11243103	DC	Data Science	20	20	30	30	-	-	-	1	100	2	1		3	Face to Face	MCQ	2 Hrs
4.	112431XX	DE	Departmental Elective* (DE-1)	-	-	-	-	-	-	25	75	100	3		: · : · :	3	Online	MCQ	3 Hrs
5.	112431XX	SPC	Specialization Course (SPC-1)	20	20	30	30	-	-	-	-	100	2	1	: - - : :	3	Face to Face	PP	2 Hrs
6.	11243104	DLC	Environmental Lab	-	-	-	-	70	30	-	-	100			2	1	Experimental	AO	
7.	11243105	DLC	Data Science Lab	-	-	-	-	70	30	-	-	100			2	1	Experimental	AO	
8.	11243106	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	-	-	50			2	1	Face to Face	SO	
9.	11243107	PBL	Cornerstone Project	-	-	-	-	70	30	-	-	100			4	2	Experiential	SO	
		,	Γotal	80	80	120	120	260	90	25	75	850	11	04	10	20	-	-	-
10.	11243108	MAC	Supply Chain Management	20	20	30	30	-	-			100	2		-	GRADE	Blended	MCQ	1.5 Hrs
11.	11243109	MWS	Mandatory Workshop on Blocke	hain at Depa	rtment Leve	l (Duration:	Two Days)									GRADE	Interactive	MCQ	
			Additional Course for	Honours or	Minor Deg	gree: Perm	itted to opt	for maximun	ı two additi	onal courses	for the	award o	of Ho	nours	or M	inor Degi	ree		

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

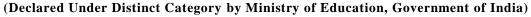
* Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform

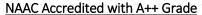
• [HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
1	0	0	0	3	1 1 1	1	0	2	0	1 1 1 1 1 1	0	0	0	1	- 1 - 1 - 1 - 1	1

			Mode of Learni	ng				Mode of Ex	xamination			Total Credits
٠	Theory	•		Lab			The	eory		La	ıb	Total Credits
٠.	Face to Face	Online	Face to Face	Experiential	Experimental	PP	AO	MCQ	OB	SO	AO	
-[12	3		2	2	6		9		3	2	20
	60%	15%	5%	10%	10%	30%		45%		15%	10%	Credits %



(Deemed University)





Department of Civil Engineering

Scheme of Evaluation

B. Tech. VI Semester (Civil Engineering)

(for batch admitted in academic session 2024-25

										0		1 1 1							
						Max	ximum Ma	arks Allotte	d					tact H					
- : - : - :	- : - : - : - :	- : - : - : - :			Theory	Block		Practical	Block	MOO	Cs		p	er wee	k				
S. No.	Course Code	Category Code	Course Name	Conti	nuous Eval	uation	24.1	Continuous Evaluation	Material			Total Marks				Total Credits	Mode of Learning	of Major	Duration of Major Evaluation
1. 2. 3. 4. 5. 6. 7. 8. 9.				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Major Evaluation	Lab Work & Sessional	Major Evaluation	Assignment	Exam		L	Т	P		Learning	Evaluation	Evaluation
1.	11243201	DC	Engineering Hydrology & Irrigation	20	20	30	30	-	-	-	1	100	2	1	: - : : :	3	Face to Face	MCQ	2 Hrs
2.	11243202	DC	Artificial Intelligence & Machine Learning	20	20	30	30	-	-	-	-	100	2	1	: - : :	3	Face to Face	MCQ	2 Hrs
3.	112432XX	DE	Departmental Elective* (DE-2)	-	-	-	-	-	-	25	75	100	3		: - : -:	3	Online	MCQ	3 Hrs
4.	112432XX	OC	Open Category Course (OC-1)	20	20	30	30	-	-	-	-	100	2	1	· ;- ; ·	3	Face to Face	PP	2 Hrs
5.	112432XX	SPC	Specialization Course (SPC-2)	20	20	30	30	-	-	-	-	100	3			3	Face to Face	PP	2 Hrs
6.	11243203	DLC	Civil Engineering Drawing Lab	-	-	-	-	70	30	-	-	100			2	1	Experimental	SO	
7.	11243204	DLC	Artificial Intelligence & Machine Learning Lab	-	-	-	-	70	30	-	-	100			2	1	Experimental	AO	
8.	11243205	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	-	1	50		1	2	1	Face to Face	SO	- : - : - : - : - :
9.	11243206	PBL	Capstone Project	-	-	-	-	70	30	-	-	100			4	2	Experiential	SO	: · · · · · · · · · ·
			Total	80	80	120	120	260	90	25	75	850	12	03	10	20	-	-	-
10.	11243207	MAC	Disaster Management	20	20	30	30	-	-	-	1	100	2		1	GRADE	Blended	MCQ	1.5 Hrs
11.	11243208	MWS	Mandatory Workshop on Intellect	ual Property	Rights at De	epartment Le	evel (Duratio	n: Two Days)				- : - : - : -			- : - : -	GRADE	Interactive	MCQ	
																		•	

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

Summer Semester of six-eight weeks 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

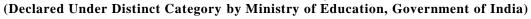
* Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform.

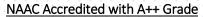
	HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
- [0	0	0	2	1	1	1	2	0	1	0	0	0	1	1	1

		Mode of Learni	ng				Mode of E	xamination			Total Credits
Theory	7		Lab			The	eory		La	ıb	Total Credits
Face to Face	Online	Face to Face	Experiential	Experimental	PP	AO	MCQ	OB	SO	AO	
12	3	1	2	2	6		9		4	1	20
60%	15%	5%	10%	10%	30%		45%		20%	5%	Credits %



(Deemed University)









Scheme of Evaluation

B. Tech. VII Semester (Civil Engineering)

(for batch admitted in academic session 2024-25

						Max	kimum Ma	rks Allotte						tact H					
			-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		Theory	Block		Practical	Block	MOC	OCs	- : - : - : -	p	er wee	k				
S. No	Course Code	Category Code	Course Name	Conti	nuous Evalu	ation	Major	Continuous Evaluation	Major			Total Marks				Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Evaluation	Lab Work & Sessional	Evaluation	Assignment	Exam		L.	T .	P				E varyanton
1.	112441XX	DE	Departmental Elective (DE-3)	20	20	30	30	-	-	-	-	100	3			3	Face to Face	PP	2 Hrs
2.	112441XX	DE	Departmental Elective* (DE-4)	-	-	-	-	-	-	25	75	100	3		1 1	3	Online	MCQ	3 Hrs
3.	112441XX DE Departmental Elective* (DI 112441XX OC Open Category Course (OC			20	20	30	30	-	-	-	-	100	2	1	- :- :-	3	Face to Face	PP	2 Hrs
4.	112441XX	SPC	Specialization Course (SPC-3)	20	20	30	30	-	-	-	-	100	2	1		3	Face to Face	MCQ	2 Hrs
5.	11244101	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	-	-	50	- ; - ; ;		2	1	Face to Face	SO	
6.	11244102 DLC Creative Problem Solving			-	-	-		70	30	-	-	100	: - - - :		2	1	Experiential	SO	: . : . . : . : .
		,	Fotal	60	60	90	90	120	30	25	75	550	10	02	04	14	-	-	-
7.	11244103	MWS	Mandatory Workshop on Advar	ced Intellect	ual Property R	dights at Dep	artment Leve	el (Duration: T	wo Days)							GRADE	Interactive	MCQ	
			Additional Course for	Honours or	Minor Degr	ee: Permitte	ed to opt fo	r maximum t	wo additio	nal courses	for the a	ward of	Hone	ours o	r Min	or Degree	2		

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

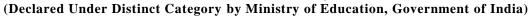
* Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform.

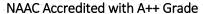
٠	HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
	0	0	0	0	2	1	1	1	0	1	0	0	0	0	0	1

-			Mode of Learning				M	ode of Examinati	ion		Total
	The	ory		Lab			The	eory		Lab	Credits
	Face to Face	Online	Face to Face	Experiential	Experimental	PP	AO	MCQ	OB	SO	Credits
	9	3	1	1		6		6		2	14
-	64.28%	21.42%	7.14%	7.14%		42.85%		42.85%		14.3%	Credits %



(Deemed University)









Scheme of Evaluation

B. Tech. VIII Semester (Civil Engineering)

(for batch admitted in academic session 2024-25

							Max	imum Ma	rks Allotte	ed					tact H					
				-1		Theory	Block		Practica	l Block	MOO	Cs	mile in	p	er wee	ek	TD 4.1	Mode	Mode	Duration of
S.	No.	Course Code	Category Code	Course Name	Conti	nuous Evalı	uation						Total Marks				Total Credits	of	of Major	Major
					Minor	Minor Evaluation		Evaluation	Continuous Evaluation		Assignment	Exam		L	- T	P		Learning	Evaluation	Evaluation
					I	II	Assignment									- : - : -				
	1.	112442XX	Code DE Departmental Elective* (DE-5) OC Open Category Course* (OC-3) PBL Industry Internship/ Research Internship/ Innovation & Start-up		-	-	-	-	-	-	25	75	100	3			3	Online	MCQ	3 Hrs
	2.	<u> </u>		Open Category Course* (OC-3)	-	-	-	-	-	-	25	75	100	3			3	Online	MCQ	3 Hrs
	3.	Industry Internship/ Research			-	-	-	-	280	120	-	-	400			20	10	Experiential	SO	
	4.	11244202 PDC Professional Development##			-	-	-	-	-	50	-	-	50		-	4	2	Interactive	SO	
				Total	-	-	-	-	280	170	50	150	650	06	-	24	18	-	-	-

Summer Semester of six-eight weeks 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

MCQ: Multiple Choice Question AO: Assignment + Oral

PP: Pen Paper

SO: Submission + Oral

^{**}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	Ė
- 1	0	0	0	0	1	0	1	0	0	0	0	0	- 1 - 1 - 1 - 1	1	0	0	

-			Mode of Learning	Mode of Examination					Total		
	The	ory		Lab		Theory				Lab	Credits
	Face to Face	Online	Interactive	Experiential	Experimental	PP	AO	MCQ	OB	SO	Credits
		6	2	10				6		12	18
-		33.33%	11.11%	55.56%				33.33%		66.67%	Credits %

^{*}Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform



(Deemed University)





NAAC Accredited with A++ Grade

DEPARTMENT OF CIVIL ENGINEERING

Specialization in Structures								
Description		This module will help in providing in-depth knowledge of						
		advanced topics like design of bridge, tall buildings etc. so that						
		students can demonstrate their expertise in designing structural						
		projects and also ensure development of safe, resilient, and						
		Efficient structures.						
Courses ar	nd Credits	3 courses	s and 9 credits					
				Conta	Contact Hours			
Course Category		ID	Course Title per week					
			!	L	T	P		
SPC-1	(Core)		Advanced Structural Analysis	3	0	0		
SPC-2	(Core)		Advanced Reinforced Concrete	3	0	0		
			Design					
SPC-3	Elective-1		Advanced Structural Design (Steel)	3	0	0		
	Elective-2		Structural Dynamics	3	0	0		

Specialization in Construction Management							
Description		This module will help in providing in-depth knowledge of					
		various aspects of construction management like project					
		scheduling, resource allocation, advanced equipment's etc. This					
		specialization will help students to pursue careers as construction					
		project managers.					
Courses a	nd Credits	3 courses and 9 credits					
required							
Course Category		Course		Contact Hours per			
		ID	Course Title	week			
				L	T	P	
SPC-1 (Core)			Contract Management	3	0	0	
SPC-2 (Core)			Basic Scheduling Techniques	3	0	0	
SPC-3	Elective-1		Infrastructure & Finance	3	0	0	
	Elective-2		Building Services & Maintenance	3	0	0	

Specialization in Environmental Engineering								
Description		This module will help in providing interdisciplinary knowledge and skills so that students can address environmental challenges, comply with environmental standards and contribute positively to society.						
Courses ar	nd Credits	3 courses	s and 9 credits					
Course (Category	Course ID	Course Title	Contact Hours per week				
SPC-1	(Core)		Solid Waste Management	3	T 0	P 0		
SPC-1			Air Pollution & Control	3	0	0		
SPC-3	` '		Environmental Impact Assessment	3	0	0		
	Elective-2		Industrial Waste Management	3	0	0		



(Deemed University)





NAAC Accredited with A++ Grade

DEPARTMENT OF CIVIL ENGINEERING

Departmental Elective Courses					
1. Hydraulic Structure					
2. Railway Airport & Tunnel Engineering					
3. Traffic Engineering & Design					
4. Engineering Geology					
5. Pavement Management System					
6. Applied Stress Analysis					
7. Green Buildings					
8. Advanced Surveying					
9. Bridge Engineering					
10. Groundwater Development					
11. River Hydraulics					
12. Design of Earthquake Resistant Structures					
13. Remote Sensing & GIS Applications in Civil Engineering					
14. Ground Improvement Techniques					
15. Rock Engineering					
16. Building Information Modelling					
17. Seismic Hazard Analysis					
18. Watershed Management					
19. Hydropower Engineering					
20. Rehabilitation of Structures					
21. Ecology and Stream Pollution					
22. Finite Element Methods					
23. Strategic Management in Construction					
24. Energy Efficient Buildings					



(Deemed University)



(Declared Under Distinct Category by Ministry of Education, Government of India)

NAAC Accredited with A++ Grade

25. Design of Bridges							
26. Sustainable Construction & Practices							
7. Lean Construction							
8. Photogrammetry and UAV							
29. Geodesy and GNSS							
Open Category Courses							
1. Maintenance Management							
. Integrated Waste Management System							
. Air Pollution & Noise Pollution							
. Sustainable Materials & Green Buildings							
5. Safety & Quality Management							
6. Ecology and Stream Pollution							
Environmental Impact Assessment							
Greenfield Projects							
Engineering Economics and Project Appraisal							
0. Entrepreneurship for Engineers							