NIRMA UNIVERSITY Institute of Technology **Teaching & Examination Scheme** Bachelor of Technology (Chemical Engineering)

Semester-III

Course Code	Course Title		ching 10urs/		me	Examination Scheme				
		L	T	P	C	Duration (hours)	1	Compone Weighta		
	II4T C C					SEE	CE	LPW	SEE	
	Heat Transfer Operations	2	-	2	3	3	0.3	0.3	0.4	
	Solid Fluid Operations	2	-	2	3	3	0.3	0.3	0.4	
	Fluid Flow Operations	2	-	2	3	3	0.3	0.3	0.4	
	Mathematics for Chemical Engineering	2	1	-	3	3	0.6	-	0.4	
	Organizational Behaviour	2	1	-	3	3	0.6	_	0.4	
	Process Calculations	2	1	-	3	3	0.6	_	0.4	
	Total	12	03	06	18		0.0	_	0.4	
	Internship-Community Services*	0	0	6	3	-	1	-	-	

^{*} Internship related to community services to be performed during the summer break

Institute of Technology

Teaching & Examination Scheme Bachelor of Technology (Chemical Engineering)

Semester IV

Course Code	Course Title	Teach	ing S urs/w			Exami	inatio	n Schen	ne	
Code		L	T	P	C	Duration (hours)		Component Weightage		
						SEE	CE	LPW	SEE	
	Mass Transfer Operations-I	2	-	2	3	3	0.3	0.3	0.4	
	Chemical Process Industries	2	-	2	3	3	0.3	0.3	0.4	
	Organic Chemistry	2	-	2	3	3	0.3	0.3	0.4	
	Chemical Engineering Thermodynamics	2	1	-	3	3	0.6	-	0.4	
	Economics	2	1	-	3	3	0.6	-	0.4	
	Indian Constitution and Citizenship	2	1	-	3	3	0.6	-	0.4	
	Total	12	03	06	18	-	-	-	-	
Suppleme	entary Course									
7	Campus to Corporate – I	1	-	-	-	-	1	-	-	

L: Lectures, P/T: Practicals / Tutorial, C: Credits

SEE: Semester End Examination

LPW/PW: Laboratory / Project Work

CE: Continuous Evaluation



Institute of Technology

Teaching & Examination Scheme **Bachelor of Technology (Chemical Engineering)** Semester-V

W.	e.	f.	Academic	Year	2026-27

Course Code	Course Title	(achin (hour	g Sch s/wee	eme k)	W. e. f. Academic Year 202 Examination Scheme				
		L	T	P	C	Durati on Hours		Compon Weighta	ent ge	
	Maria					SEE	CE	LPW	SEE	
	Mass Transfer Operations – II	3	0	2	4	3	0.3	0.3	0.4	
	Instrumentation and Process Control	3	0	2	4	3	0.3	0.3	0.4	
	Chemical Reaction Engineering – I	3	0	2	4	3	0.3	0.3	0.4	
	Petroleum Refining Engineering	3	0	2	4	3	0.3	0.3	0.4	
	Modelling & Process Simulations	3	0	2	4	3	0.3	0.3	0.4	
	Dept. Elective – I	3	1	0	4	3	0.6	_	0.4	
		3	0	2			0.3	0.3	0.4	
		2	1	2			0.3	0.3	0.4	
	Total	-	-	-	24	-10-	-	-	-	
	ntary Course					1	,			
	Campus to Corporate – II	1	-	-	-	-	1	-	-2	

Institute of Technology

Teaching & Examination Scheme Bachelor of Technology (Chemical Engineering)

Semester-VI

w. e. f. Academic Year 2026-27

			1 car 20								
Course Code	Course Title			chin hem	_	Exami	nation	Scheme			
Couc		0	hour	·s/we	eek)						
		L	T	P	C	Duration Hours		Component Weightage			
						SEE	CE	LPW	SEE		
	Chemical Reaction Engineering – II	3	0	2	4	3	0.3	0.3	0.4		
	Process Equipment Design	3	0	2	4	3	0.3	0.3	0.4		
	Environmental Pollution Control and Safety Management	3	0	2	4	3	0.3	0.3	0.4		
	Research Methodology and Seminar*	2	0	0	-	-	-	-	-		
	Department Elective – II	3	1	0	4	3	0.6	-	0.4		
	1	3	0	2			0.3	0.3	0.4		
		2	1	2			0.3	0.3	0.4		
	Open Elective – I	3	1	0	4	3	0.6	-	0.4		
	Emerging Area,	3	0	2			0.3	0.3	0.4		
	Department Specific)	2	1	2			0.3	0.3	0.4		
	Total	-	-	-	20	-	_	-	-		
			Inte	rnsł	nip						
Summer	Internship**	-	-	-	6	-	1	-	-		
			1			1 7) 1	111	111 1	11		

^{*}The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7.

L: Lectures, P/T: Practicals / Tutorial, C: Credits

SEE: Semester End Examination

LPW/PW: Laboratory / Project Work

CE: Continuous Evaluation

^{**}Compulsory Summer Internship of 6 weeks duration in summer break between Semester VI and VII

Teaching & Examination Scheme B. Tech. Chemical Engineering Semester-VII

Course Code	Course Title	Te		ng Sc rs/wee	heme ek)	w. e. f. Academic Year 202' Examination Scheme					
		L	T	P	C	Duratio n Hours	Component Weightage				
	Dlant D					SEE	CE	LPW	SEF		
	Plant Design Economics and Process Management	3	1	-	4	3	0.6	-	0.4		
, -	Research Methodology and Seminar*	0	0	4	4	-	0.5	0.5	-		
	Department	3	1	0	4	3	0.6		0.4		
	Elective – III	3	0	2		3	0.3	0.3	0.4		
		2	1	2			0.3	0.3	0.4		
	Open Elective – II	3	1	0	4	3	0.6	0.3	0.4		
		3	0	2		3	0.3	0.3	0.4		
		2	1	2			0.3	0.3	0.4		
	Open Elective - III	3	1	0	4	3	0.6		0.4		
		3	0	2		5	0.0	0.3	0.4		
		2	1	2			0.3	0.3	0.4		
	Total will be spread over two	-	-	_	20	_	-	0.5	0.4		

*The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7. w.e.f. for first year students admitted in 2024-25 and D to D students admitted in 2025-26 onwards

Semester-VIII

Course Code	Course Title			g Sch s/weel		Examination Scheme				
	Internship / Research Project	L	T	P	C	Duration Hours	Componen Weight ag			
					12	SEE	CE	LPW	SEE	
		-	-	-		-	-	1	-	
			Tota	al Cre	dits =	12				



Institute of Technology

Teaching & Examination Scheme

Bachelor of Technology (Electronics and Instrumentation Engineering) Semester-III

Course Code	Course Title	Tea (l	ching hours	g Sch /wee	eme k)	w. e. f. Academic Year 2025-26 Examination Scheme				
		L	T	P	C	Duration (hours)	Component Weightage			
2EI101	Control Theory					SEE	CE	LPW	SEE	
	*	2	1	0	3	3	0.6	19	0.4	
2EI601	Basic Electronics	2	0	2	3	3	0.3	0.3	0.4	
2EI102	Circuit Theory	2	0	2	3	3				
2EI103	Software For Engineers	2	0				0.3	0.3	0.4	
2EI801			U	2	3	3	0.3	0.3	0.4	
2E10U1	Mathematics for Electronics and Instrumentation Engineers	2	0	2	3	3	0.3	0.3	0.4	
2HS302	Economics	2	1	0	3	3	0.6			
	Total	12	2	8	18	3	0.6	-	0.4	
2FT901	Internship-Community Services*	0	0	6	3	-	1	_	-	
Supplement	tary Course									
0FT002	Campus to Corporate-I	1	-	-	-		1			

Semester IV

Course Code	Course Title	Te	emeste achin hours	g Sch		Examination Scheme				
		L	T	P	C	Duration (hours)	Component Weightage			
2EI602	A1' 1 D1					SEE	CE	LPW	SEE	
	Applied Electronics	2	0	2	3	3	0.3	0.3	0.4	
2EI603	Electronic Circuits	2	0	2	3	3	0.3	0.3	0.4	
2EI604	Microcontroller and its Applications	2	0	2	3	3	0.3	0.3	0.4	
2EI104	Programmable Logic Controllers	2	0	2	3	3	0.3	0.3	0.4	
2HS401	Organizational Behaviours	2	1	0	3	3	0.6		0.4	
IMU80 3	Indian Constitution and Citizenship	2	1	0	3	3	0.6	-	0.4	
	Total	12	02	08	18	_	_	_		

L: Lectures, P/T: Practicals / Tutorial, C: Credits

SEE: Semester End Examination

LPW/PW: Laboratory / Project Work

CE: Continuous Evaluation

Teaching & Examination Scheme

Bachelor of Technology (Electronics and Instrumentation Engineering) Semester-V

w. e. f. Academic Year 2026-27

Course Code	Course Title			Sche /week		Examination Scheme				
		L	T	P	C	Duration Hours		Compone Weightag		
						SEE	CE	LPW	SEE	
	Industrial Controls	3	0	2	4	3	0.3	0.3	0.4	
	Transducers and Measurement	3	0	2	4	3	0.3	0.3	0.4	
	Industrial Drives	3	0	2	4	3	0.3	0.3	0.4	
	Fundamentals of Robotics	3	0	2	4	3	0.3	0.3	0.4	
	Image Processing and its Applications	3	0	2	4	3	0.3	0.3	0.4	
	Department Elective-I	3	1	0	4	3	0.6	-	0.4	
	D oparations Executive -	3	0	2			0.3	0.3	0.4	
		2	1	2			0.3	0.3	0.4	
	Total	18	0	12	24	-	-	-	-	

L: Lectures, P/T: Practicals / Tutorial, C: Credits

SEE: Semester End Examination

LPW/PW: Laboratory / Project Work

CE: Continuous Evaluation

Teaching & Examination Scheme Bachelor of Technology (Electronics and Instrumentation Engineering) Semester-VI

Course	Comments					W	e. f. Ac	ademic	Year 20	026-27
Code	Course Title		S	eachi chem rs/w	ie		Exam	ination	Scheme	e
		L	T	P	C	1	uration Hours		Compone Weighta	
	Industrial						SEE	CE	LPW	SEE
	Instrumentation	3	0	2	4		3	0.3	0.3	0.4
	Process Automation	3	0	2	4		3	0.3	0.3	0.4
	AI for Automation	3	0	2	4		3	0.3	0.3	0.4
	Research Methodology and Seminar*	2	0	0	-		-	-	-	-
	Department Elective-II	3	1	0	4		3	0.6	_	0.4
		3	0	2				0.3	0.3	0.4
		2	1	2				0.3	0.3	0.4
	Open Elective-I	3	1	0	4		3		0.3	
		3	0	2	-		3	0.6	-	0.4
		2	1	2				0.3	0.3	0.4
Total		4	1		0.0			0.3	0.3	0.4
		-	-	-	20		-	-	-	-
G T		1	nter	nshi	p					
	nternship**	-	-	-	6		-	1	- 1	_
Supplementa	T							-		
0FT003	Campus to Corporate-II	1		-	-	-	1-	1	_	-
*The cours	se will be spread over two sem	ester	9 (90)	meste	r 6 and	GOTTO OF	rtan 7) 1	1		1 1

^{*}The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7.

L: Lectures, P/T: Practicals / Tutorial, C: Credits LPW/PW: Laboratory / Project Work

SEE: Semester End Examination

CE: Continuous Evaluation

^{**}Compulsory Summer Internship of 6 weeks duration in summer break between Semester VI and VII

Teaching & Examination Scheme B. Tech. Electronics and Instrumentation Engineering Semester-VII

w. e. f. Academic Year 2027-28

Course Code	Course Title			g Scho s/week		Exan	ninatio	n Schem	e
		L	T	P	C	Duration Hours		Compone Weightag	
						SEE	CE	LPW	SEE
	Embedded System Design	3	0	2	4	3	0.3	0.3	0.4
	Research Methodology and Seminar*	0	0	4	4	-	0.5	0.5	-
	Department Elective-	3	1	0	4	3	0.6	-	0.4
	III	3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Open Elective-II	3	1	0	4	3	0.6	-	0.4
	open zivezi =	3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Open Elective-III	3	1	0	4	3	0.6	-	0.4
	J P 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Total	-	-		20	-	-	-	-

^{*}The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7. w.e.f. for first year students admitted in 2024-25 and D to D students admitted in 2025-26 onwards

Semester-VIII

w. e. f. Academic Year 2027-28

Course Code	Course Title			g Schos/weel		Examination Scheme				
		L	T	P	C	Duration Hours	Component Weight age			
						SEE	CE	LPW	SEE	
	Internship / Research Project	-		-	12	-	-	1	-	
			Tot	tal Cre	edits =	12				

Institute of Technology

Teaching & Examination Scheme Bachelor of Technology (Civil Engineering)

Semester-III

Course Code	Course Title			g Sch /weel	eme	w. e. f. Academic Year 2025-26 Examination Scheme				
		L	T	P	C	Duration (hours)		Compon Weighta		
2CL101	Mechanics of Solids					SEE	CE	LPW	SEE	
		2	0	2	3	3	0.3	0.3	0.4	
2CL701	Surveying	2	0	2	3	3	0.3	0.3	0.4	
2CL102	Construction Materials	2	0	2	3	3	0.3			
2CL801	Mathematics for Civil	2	0	2	3	3	0.3	0.3	0.4	
	Engineers						0.5	0.5	0.4	
2CL201	Civil Engineering Drawing and Building Planning	1	0	4	3	-	-	1	-	
2HS302	Organizational Behaviour	2	1	0	3	3	0.6		0.4	
	Total	11	1	12	18		0.0		0.4	
2FT901	Internship-Community Services*	0	0	6	3	_	1	-	-	

Semester-IV

0		Sen	iester	-IV							
Course Code	Course Title		ching ours/v			Examination Scheme					
		L	Т	P	C	Duration (hours)	Component Weightage				
2CT 102	a					SEE	CE	LPW	SEE		
2CL103	Structural Mechanics	2	0	2	3	3	0.3	0.3	0.4		
2CL202	Construction Technology	2	0	2	3	3	0.3	0.3	0.4		
XXXXX	Geotechnical Engineering	2	0	2	3	3	0.3	0.3	0.4		
XXXXX	Fluid Mechanics	2	0	2	3	3	0.3	0.3	0.4		
2HS401	Economics	2	1	0	3	3	0.6	0.5	0.4		
1MU803	Indian Constitution and Citizenship	2	1	0	3	3	0.6	-	0.4		
	Total	12	02	08	18		_	_			
Supplemen	ntary Course										
0FT002	Campus to Corporate-I	1	-	_	T -	_	1				
0CL001	Testing of Geotextiles for Infrastructure Applications	-	-	2	-	-	-	1	-		

L: Lectures, P/T: Practicals / Tutorial, C: Credits

SEE: Semester End Examination

LPW/PW: Laboratory / Project Work

CE: Continuous Evaluation

Teaching & Examination Scheme Bachelor of Technology (Civil Engineering)

Semester-V

w. e. f. Academic Year 2026-27

Course Code	Course Title	Teaching Scheme (hours/week) L T P				Examina			
		L	T	P	C	Duration Hours		Compone Weightag	
						SEE	CE	LPW	SEE
	Design of Concrete Structures	3	0	2	4	3	0.3	0.3	0.4
	Water Resources Engineering	3	0	2	4	3	0.3	0.3	0.4
	Environmental Engineering	3	0	2	4	3	0.3	0.3	0.4
	Foundation Engineering	3	0	2	4	3	0.6	-	0.4
	Transportation Engineering	3	0	2	4	3	0.3	0.3	0.4
	Department Elective-	3	1	0	4	3	0.6	-	0.4
	I	3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Total	-	-	-	24	_	-	-	-
Supplem	entary Course		, ,						
0FT003	Campus to Corporate-II	1	-	-	-	-	1 .	¥.	-

L: Lectures, P/T: Practicals / Tutorial, C: Credits

LPW/PW: Laboratory / Project Work

SEE: Semester End Examination

CE: Continuous Evaluation

Teaching & Examination Scheme Bachelor of Technology (Civil Engineering)

Semester-VI

Cours e Code	Course Title			ach	ing	w. e. f. Ac Exam		Scheme	
	second land of the	(week)				
		L	T	P	C	Duration Hours	Hours Wei		
						SEE	CE	LPW	SEE
	Construction Project Management	3	0	2	4	3	0.3	0.3	0.4
	Design of Steel Structures	3	0	2	4	3	0.3	0.3	0.4
	Port, Airport and Railway Engineering	3	0	2	4	3	0.3	0.3	0.4
	Research Methodology and Seminar*	2	0	0		-000		-	-
	Department Elective-II	3	1	0	4	3	0.6	_	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Open Elective-I	3	1	0	4	3	0.6	-	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
Total		-	-	-	20	-	-	-	-
0			Inte	rns	hip				1
Summer	Internship**	-	-	-	6		1	-	_ 1

^{*}The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7.

L: Lectures, P/T: Practicals / Tutorial, C: Credits LPW/PW: Laboratory / Project Work

Evaluation

SEE: Semester End Examination CE: Continuous

^{**}Compulsory Summer Internship of 6 weeks duration in summer break between Semester VI and VII

Teaching & Examination Scheme B. Tech. Civil Engineering

Semester-VII

w. e. f. Academic Year 2027-28

Cour	Course Title	Te	achin	g Sche	eme	Exam	inatio	n Scher	ne
se		((hour	s/week	()				
Code		L	T	P	C	Duratio	1	ompon	
						n Hours	V	/eighta	ge
						SEE	CE	LP	SE
								\mathbf{W}	E
	Professional Practice	3	0	2	4	3	0.3	0.3	0.4
	Research Methodology	0	0	4	4	-	0.5	0.5	-
	and Seminar*								
	Department Elective-	3	1	0	4	3	0.6	-	0.4
	III	3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Open Elective-II	3	1	0	4	3	0.6	-	0.4
		3	0	2		_	0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Open Elective-III	3	1	0	4	3	0.6	-	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Total	-	-	-	20	-	-	-	-

^{*}The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7.

Semester-VIII

w. e. f. Academic Year 2027-28

Course Code	Course Title			ig Sche s/week		Examination Scheme					
		L	L T P		C	Duration Hours					
						SEE	CE	LPW	SEE		
	Internship / Research Project	-	-	-	12	-	-	1	-		
			Tot	al Cre	dits =	12	•				

Teaching & Examination Scheme BTech in Electrical Engineering Semester-III

Course				Sch weel		Examination Scheme				
Code	Course Title	L	T	P	C	Duration (hours)		Compon Weighta		
						SEE	CE	LPW	SEE	
	Mathematical Applications in Electrical Engineering	2	1	-	3	3	0.6	-	0.4	
	Analog Electronics	2	0	2	3	3	0.3	0.3	0.4	
	Digital Electronics	2	0	2	3	3	0.3	0.3	0.4	
	Electrical Measurements and Transducers	2	0	2	3	3	0.3	0.3	0.4	
	Network Analysis	2	0	2	3	3	0.3	0.3	0.4	
	Economics	2	1	0	3	3	0.6	-	0.4	
	Internship - Community Services*	0	0	6	3	-	1	-	-	
	Total	12	2	8	21					

^{*} At the end of the second semester, during summer break, the students are required to undergo a Community Internship.

Semester IV

Course			ching lours			Examination Scheme				
Code	Course Title	L	Т	P	C	Duration (hours)		Compon Weighta		
						SEE	CE	LPW	SEE	
	Fundamentals of Power System	2	0	2	3	3	0.3	0.3	0.4	
	Transformers and DC Machines	2	0	2	3	3	0.3	0.3	0.4	
	Microprocessor and Microcontrollers	2	0	2	3	3	0.3	0.3	0.4	
	Control System Theory	2	0	2	3	3	0.3	0.3	0.4	
	Organisational Behaviour	2	1	0	3	3	0.6	_	0.4	
	Indian Constitution and Citizenship	2	1	0	3	3	0.6	-	0.4	
	Total	12	02	08	18	-	-	_	_	
	Supp	oleme	ntary	Cou	rse					
	Campus to Corporate-I	1	_	-	_	-	1	-	-	

L: Lectures, P/T: Practicals / Tutorial, C: Credits

SEE: Semester End Examination

LPW/PW: Laboratory / Project Work

CE: Continuous Evaluation

Teaching & Examination Scheme BTech in Electrical Engineering Semester-V

w. e. f. Academic Year 2026-27

Course Code	Course Title		aching hours			Exa	minatio	on Schen	1e
		L	Т	P	C	Durati on Hours		Compone Weightag	
						SEE	CE	LPW	SEE
	Rotating AC Machines	3	0	2	4	3	0.3	0.3	0.4
	Electrical Power System Analysis	3	0	2	4	3	0.3	0.3	0.4
	Power Electronics and Applications	3	0	2	4	3	0.3	0.3	0.4
	Power System Protection and Switchgears	3	0	2	4	3	0.3	0.3	0.4
	Utilization of Electric Power	3	0	2	4	3	0.3	0.3	0.4
	Department Elective-I	3	1	0	4	3	0.6	-	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Total	-	-	-	24	-	-	-	
	Su	pplen	nentai	ry Cou	urse				
	Campus to Corporate-II	1	-	-	-	-	1	-	-

L: Lectures, P/T: Practicals / Tutorial, C: Credits

LPW/PW: Laboratory / Project Work

SEE: Semester End Examination

CE: Continuous Evaluation



Teaching & Examination Scheme BTech in Electrical Engineering Semester-VI

w. e. f. Academic Year 2026-27

Course Code	Course Title	Teaching Scheme (hours/week)				Scheme			
		L	T	rs/w P	C C	Duration Hours	1	ompone Veightag	
						SEE	CE	LPW	SEE
	Power System Operation and Control	3	0	2	4	3	0.3	0.3	0.4
	Electric Drives	3	0	2	4	3	0.3	0.3	0.4
	Electronic System Design	3	0	2	4	3	0.3	0.3	0.4
	Research Methodology and Seminar*	0	0	2	-	-	-	-	-
	Department Elective-II	3	1	0	4	3	0.6	-	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Open Elective-I	3	1	0	4	3	0.6	-	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
Total		-	-	-	20	-	-	-	-
			Inte	rnsl	aip				
	nternship**	-	-	-	6		1	-	-

^{*}The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7.

L: Lectures, P/T: Practicals / Tutorial, C: Credits LPW/PW: Laboratory / Project Work

SEE: Semester End Examination CE: Continuous Evaluation



^{**}Compulsory Summer Internship of 6 weeks duration in summer break between Semester VI and VII and its evaluation will be done during Sem. VII

Teaching & Examination Scheme BTech in Electrical Engineering Semester-VII

w. e. f. Academic Year 2027-28

Course	Course Title	Te	achin	g Sch	eme			on Sch	eme
Code		1.		s/weel		LAG		on Sen	CIIIC
		L	T	P	C	Duration Hours		Compo	
						SEE	CE	LP W	SEE
	Electrical Machine Design	3	0	2	4	3	0.3	0.3	0.4
	Research Methodology and Seminar*	2	0	2	4	-	0.5	0.5	-
	Department Elective- III	3	1	0	4	3	0.6	-	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Open Elective-III	3	1	0	4	3	0.6	-	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Open Elective-III	3	1	0	4	3	0.6	-	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Total	3	0	2	20	-	0.3	0.3	0.4

^{*}The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7.

w.e.f. for first year students admitted in 2024-25 and D to D students admitted in 2025-26 onwards

Semester-VIII

w. e. f. Academic Year 2027-28

Course Code	Course Title	Teaching Scheme (hours/week)				Exam	inatio	nation Scheme			
		L	T	P	C	Duration Hours	1	Compone Veight a			
						SEE	CE	LPW	SEE		
	Internship / Research Project	-	-	-	12	-	-	1	-		
		Tot	al Cre	dits =	12						

Institute of Technology

Teaching & Examination Scheme

Bachelor of Technology (Electronics & Communication Engineering)

Semester-III

w. e. f. Academic Year 2025-26

Course Code	Course Title	12:15	Sch	ching eme s/wee		Examination Scheme				
		L	T	P	C	Duration (hours)	1	ompon Veighta		
						SEE	CE	LPW	SE	
									E	
	Electronic Devices	2	0	2	3	3	0.3	0.3	0.4	
	Digital Logic Design	2	0	2	3	3	0.3	0.3	0.4	
	Network Theory	2	1	0	3	3	0.6	-	0.4	
	Mathematics for Electronics & Communication Engineering	2	1	0	3	3	0.6	-	0.4	
	Economics	2	1	0	3	3	0.6	-	0.4	
	Indian Constitution and Citizenship	2	1	0	3	3	0.6	-	0.4	
	Total	12	4	04	18					
		Inter	nshij)						
2FT901	Internship-Community Services*	0	0	6	3	-	1.0	-	-	
	Total			1	21					
	Supple	ment	tary	Cour	se					
0FT002	Campus to Corporate-I	1	-	-	-	-	1	_	_	

Teaching & Examination Scheme Bachelor of Technology (Electronics & Communication Engineering)

Semester IV

w. e. f. Academic Year 2025-26

Course Code	Course Title	Teacl		Sche week		Examination Scheme				
		L	T	P	C	Duration (hours)	1	Component Weightage		
						SEE	CE	LPW	SEE	
	Electronics Circuits	2	0	2	3	3	0.3	0.3	0.4	
	Signals and Systems	2	1	0	3	3	0.6	-	0.4	
	Integrated Electronics	2	0	2	3	3	0.3	0.3	0.4	
	Communication Systems	2	0	2	3	3	0.3	0.3	0.4	
	FPGA based System Design	2	0	2	3	3	0.3	0.3	0.4	
	Organizational Behaviour	2	1	0	3	3	0.6	0.6 - 0.4		
	Total	12	02	08	18	-	-	-	-	

L: Lectures, P/T: Practicals / Tutorial, C: Credits

LPW/PW: Laboratory / Project Work

SEE: Semester End Examination

CE: Continuous Evaluation

Teaching & Examination Scheme Bachelor of Technology (Electronics & Communication Engineering) Semester-V

w. e. f. Academic Year 2026-27

Cour se	Course Title			g Sch s/weel		Examination Scheme					
Code		L	Т	P	C	Durati on Hours	1	Compone Weighta			
						SEE	0.3 0.3	LPW	SEE		
	VLSI Design	3	0	2	4	3	0.3	0.3	0.4		
	Digital Communication	3	0	2	4	3	0.3	0.3	0.4		
	Electromagnetic & Wave Propagation	3	0	2	4	3	0.3	0.3	0.4		
	Digital Signal Processing	3	0	2	4	3	0.3	0.3	0.4		
	Microcontroller and Interfacing	3	0	2	4	3	0.3	0.3	0.4		
	Department	3	1	0	4	3	0.6	-	0.4		
	Elective-I	3	0	2			0.3	0.3	0.4		
		2	1	2			0.3	0.3	0.4		
	Total	-	-	-	24	_	-	-	_		

L: Lectures, P/T: Practicals / Tutorial, C: Credits

LPW/PW: Laboratory / Project Work

SEE: Semester End Examination

CE: Continuous Evaluation

Teaching & Examination Scheme

Bachelor of Technology (Electronics & Communication Engineering) Semester-VI

w. e. f. Academic Year 2026-27

Cours e Code	Course Title	Teaching Scheme (hours/week)		hei	me	Exami	nation	Scheme	
		L	hou T	rs/v P	veek)	Duration Hours		ompone Veightas	
						SEE	CE	LPW	SEE
	Computer Architecture	3	0	2	4	3	0.3	0.3	0.4
	Embedded Systems	3	0	2	4	3	0.3	0.3	0.4
	Microwave and Antenna Engineering	3	0	2	4	3	0.3	0.3	0.4
	Research Methodology and Seminar*	2	0	0	0	-	-	-	-
	Department Elective-II	3	1	0	4	3	0.6	-	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Open Elective-I	3	1	0	4	3	0.6	-	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
Total		-	-	-	20	-	-	-	-
			Inte	rns	hip				
Summer	Internship**	-	-	-	6		1	-	-
	Su	pple	emei	nta	ry Cour	se			
0FT003	Campus to Corporate-II	1			-		1	-	-

^{*}The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7.

L: Lectures, P/T: Practicals / Tutorial, C: Credits

LPW/PW: Laboratory / Project Work

SEE: Semester End Examination CE: Continuous Evaluation

^{**}Compulsory Summer Internship of 6 weeks duration in summer break between Semester VI and VII

Teaching & Examination Scheme

B. Tech. (Electronics & Communication Engineering) **Semester-VII**

w. e. f. Academic Year 2027-28

Cour se	Course Title			g Sch s/wee		Examination Scheme				
Code		L	T	P	C	Duratio n Hours		ompon Veighta		
						SEE	CE	LP W	SE E	
	Data Communication & Networks	3	0	2	4	3	0.3	0.3	0.4	
	Research Methodology and Seminar*	0	0	4	4	-	0.5	0.5	-	
	Department Elective-	3	1	0	4	3	0.6	-	0.4	
	III	3	0	2			0.3	0.3	0.4	
		2	1	2			0.3	0.3	0.4	
	Open Elective-II	3	1	0	4	3	0.6	-	0.4	
		3	0	2			0.3	0.3	0.4	
		2	1	2			0.3	0.3	0.4	
	Open Elective-III	3	1	0	4	3	0.6	-	0.4	
		3	0	2			0.3	0.3	0.4	
		2	1	2			0.3	0.3	0.4	
	Total	-	-	×_	20	-	-	-	_	

^{*}The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7.

w.e.f. for first year students admitted in 2024-25 and D to D students admitted in 2025-26 onwards

Semester-VIII

w. e. f. Academic Year 2027-28

Course Code	Course Title			g Sch s/weel		Examination Scheme					
		L	T	P	C	Duration Hours		ompon Veight a			
						SEE	CE	LPW	SEE		
	Internship / Research Project	-	-	-	12	-	-	1	-		
			Tot	al Cre	dits =	12					

NIRMA UNIVERSITY INSTITUTE OF TECHNOLOGY Teaching & Examination Scheme

BTECH SEMESTER – III (BTech Computer Science and Engineering)

w.e.f A. Y. 2025-26

Sr.	Course	Course Name	Te	eaching	Schem	ie		ination		
No.	Code			(hours/	week)		Duration	Co	mpone	nt
							Hours	W	eightag	ge
			L	T	P	С	SEE	CE	LPW	SEE
1		Data Structures	2	-	2	3	3	0.3	0.3	0.4
2		Object Oriented Programming	2	-	2	3	3	0.3	0.3	0.4
3		Digital Electronics	2	-	2	3	3	0.3	0.3	0.4
4		Mathematical Foundations for Computer Science	2	1	-	3	3	0.6	-	0.4
5		Economics	2	1	-	3	3	0.6	-	0.4
6		Indian Constitution and Citizenship	2	1	-	3	3	0.6	-	0.4
		Total	12	3	6	18				
			I	nternsh	ip					
		Internship- Community Services	-	-	-	3	-	1.0	-	-
			Suppler	mentar	y Cour	se				
		Campus to Corporate-I	1	-	-	-				

L: Lectures, P/T: Practicals / Tutorial, C: Credits SEE: Semester End Examination

LPW/PW: Laboratory / Project Work CE: Continuous Evaluation

SEMESTER – IV (BTech Computer Science and Engineering)

w.e.f A. Y. 2025-26

Sr.	Course	Course Name	Te	aching	Sche	me	Exam		Scheme	
No.	Code			(hours			Duration Hours	Component Weightage		
			L	T	P	С	SEE	CE	LPW	SEE
1		Computer Architecture	2	1	1	3	3	0.6	-	0.4
2		Database Management Systems	2	-	2	3	3	0.3	0.3	0.4
3		Operating Systems	2	-	2	3	3	0.3	0.3	0.4
4		Java Programming	2	-	2	3	3	0.3	0.3	0.4
5		Data Communication	2	-	2	3	3	0.3	0.3	0.4
6		Organisational Behavior	2	1	1	3	3	0.6	-	0.4
	· · · · · · · · · · · · · · · · · · ·	Total	12	02	8	18				

SEMESTER – V

w. e. f. Academic Year 2026-27

Sr.	Course	Course Name	Teach	ing S	Schen	ne	Examination Scheme					
No.	Code		(ho	urs/v	veek)		Duration	C	ompon	ent		
							Hours	1	Veighta	ge		
			L	T	P	C	SEE	CE	LPW	SEE		
1		Machine	3	0	2	4	3	0.3	0.3	0.4		
		Learning	3	U		4	3	0.5	0.5	0.4		
2		Computer	3	0	2	4	3	0.3	0.3	0.4		
		Networks	3	U	2	4	3	0.5	0.3	0.4		
3		Design and										
		Analysis of	3	0	2	4	3	0.3	0.3	0.4		
		Algorithms										
4		Microprocessor	3	0	2	4	3	0.3	0.3	0.4		
		and Interfacing	3	U	2	Ť	3	0.5	0.5	0.4		
5		Full Stack	3	0	2	4	3	0.3	0.3	0.4		
		Development	3	U		4	3	0.5	0.5	0.4		
6			3	1	0			0.6	-	0.4		
		Department	3	0	2	4	3	0.3	0.3	0.4		
		Elective-I	2	0	4	4	3	0.3	0.3	0.4		
			2	1	2			0.3	0.3	0.4		
		Total	-	-	-	24						

SEMESTER – VI (BTech Computer Science and Engineering)

w. e. f. Academic Year 2026-27

Sr.	Course	Course Name	Te	achin	g Sch	eme	Examination Scheme					
No.	Code			(hour			Duration	C	Compon	ent		
							Hours		Weighta	_		
			L	T	P	C	SEE	CE	LPW	SEE		
1		Cloud Computing	3	0	2	4	3	0.3	0.3	0.4		
2		Software Engineering	3	0	2	4	3	0.3	0.3	0.4		
3		Hardware Programming	2	0	4	4	3	0.3	0.3	0.4		
4		Research Methodology and Seminar*	2	0	0	-	-	-	-	ı		
5			3	1	0			0.6	-	0.4		
		Department	3	0	2	4	2	0.3	0.3	0.4		
		Elective-II	2	0	4	4	3	0.3	0.3	0.4		
			2	1	2			0.3	0.3	0.4		
6			3	1	0			0.6	-	0.4		
		On an Election I	3	0	2	4	2	0.3	0.3	0.4		
		Open Elective-I	2	0	4	4	3	0.3	0.3	0.4		
			2	1	2			0.3	0.3	0.4		
		Total	-	-	-	20						
			I	ntern	ship							
		Summer				(
		Internship**	_	_	_	6	-	-	-	-		
		Sı	upple	menta	ary Co	ourse						
		Campus to	1									
		Corporate-II	1	-	-	-						

^{*}The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7.

^{**}Compulsory Summer Internship of 6 weeks duration in the summer break between Semester VI and VII

SEMESTER – VII (BTech Computer Science and Engineering)

w. e. f. Academic Year 2027-28

Sr.	Course	Course Name	T	eachin	g Sch		Exa		n Schen	
No	Code			(hour	s/weel	()	Duration	Comp	onent W	eightage
•						T	Hours		•	
			L	T	P	C	SEE	CE	LPW	SEE
1		Principles of Compiler Design	3	0	2	4	3	0.3	0.3	0.4
2		Research Methodology and Seminar*	0	0	4	4	-	0.5	0.5	-
3			3	1	0			0.6	-	0.4
		Department	3	0	2	4	3	0.3	0.3	0.4
		Elective-III	2	0	4	4	3	0.3	0.3	0.4
			2	1	2			0.3	0.3	0.4
4			3	1	0			0.6	-	0.4
		Onen Elective II	3	0	2	4	3	0.3	0.3	0.4
		Open Elective - II	2	0	4	4	3	0.3	0.3	0.4
			2	1	2			0.3	0.3	0.4
5			3	1	0			0.6	-	0.4
		Onen Elective III	3	0	2	4	3	0.3	0.3	0.4
		Open Elective - III	2	0	4	4	3	0.3	0.3	0.4
			2	1	2			0.3	0.3	0.4
		Total	-	-	-	20				

^{*}The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7.

SEMESTER – VIII

w. e. f. Academic Year 2027-28

Sr.	Course	Course Name		Teach	ing So	cheme	Examination Scheme				
No.	Code		(hours/week) Durat Hou					Component Weightage			
			L	T	P	C	SEE	CE	LPW	SEE	
1		Internship/ Research Project	-	-	-	12	-	-	1.0	-	
		-	Т	otal C	redits:	=12					

L: Lectures, P/T: Practicals / Tutorial, C: Credits
LPW/PW: Laboratory / Project Work
SEE: Semester End Examination
CE: Continuous Evaluation

NIRMA UNIVERSITY INSTITUTE OF TECHNOLOGY Teaching & Examination Scheme

SEMESTER – III (Integrated BTech CSE-MBA)

w.e.f. A. Y. 2025-26

Sr.	Course	Course Name		Teachir	ng Schen	ne	Exam	Examination Scheme				
No.	Code			(hour	rs/week)		Duration	(Compon	ent		
							Hours	7	Weighta	ge		
			L	T	P	C	SEE	CE	LPW	SEE		
1		Data Structures	2	-	2	3	3	0.3	0.3	0.4		
2		Object Oriented	2		2	3	3	0.3	0.3	0.4		
		Programming		_	2	3	3	0.5	0.3	0.4		
3		Digital	2		2	3	3	0.3	0.3	0.4		
		Electronics	2	_	2	3	3	0.5	0.3	0.4		
4		Mathematical										
		Foundations for	2	1	-	3	3	0.6	-	0.4		
		Computer Science										
5		Economics	2	1	-	3	3	0.6	-	0.4		
6		Indian										
		Constitution and	2	1	-	3	3	0.6	-	0.4		
		Citizenship										
		Total	12	3	6	18						
				Intern	ship							
		Internship-										
		Community	-	-	-	3	-	1.0	-	-		
		Services										
			Supp	lementa	ary Cour	rse						
		Campus to	1									
		Corporate-I	1		_	_						

L: Lectures, P/T: Practicals / Tutorial, C: Credits SEE: Semester End Examination

LPW/PW: Laboratory / Project Work CE: Continuous Evaluation

NIRMA UNIVERSITY INSTITUTE OF TECHNOLOGY Teaching & Examination Scheme

SEMESTER – IV (Integrated BTech CSE-MBA)

w.e.f A. Y. 2025-26

		w.e.i A. 1. 2025-20										
Sr.	Course	Course Name	Te	aching	g Sche	me	Exam	ination	Scheme	e		
No.	Code		((hours	/week)	Duration	C	ompone	nt		
							Hours	Weightage				
			L	T	P	C	SEE	CE	LPW	SEE		
1		Computer Architecture	2	1	-	3	3	0.6	-	0.4		
2		Database Management Systems	2	-	2	3	3	0.3	0.3	0.4		
3		Operating Systems	2	-	2	3	3	0.3	0.3	0.4		
4		Java Programming	2	-	2	3	3	0.3	0.3	0.4		
5		Data Communication	2	-	2	3	3	0.3	0.3	0.4		
6		Organisational Behavior	2	1	-	3	3	0.6	1	0.4		
		Total	12	02	8	18						

$\boldsymbol{SEMESTER-V}$

w. e. f. Academic Year 2026-27

Sr.	Course	Course Name	Te	aching	g Sche	me	Exan	nination	Schem	e	
No.	Code			(hours	s/week	:)	Duration	C	ompone	nt	
							Hours	V	Weightage		
			L	T	P	C	SEE	CE	LPW	SEE	
1		Machine	3	0	2	4	3	0.3	0.3	0.4	
		Learning	3	U		+	3	0.5	0.5	0.4	
2		Computer	3	0	2	4	3	0.3	0.3	0.4	
		Networks	J	U		4	3	0.5	0.5	0.4	
3		Design and									
		Analysis of	3	0	2	4	3	0.3	0.3	0.4	
		Algorithms									
4		Microprocessor	3	0	2	4	3	0.3	0.3	0.4	
		and Interfacing	7	U	2	Ť	3	0.5	0.5	0.4	
5		Full Stack	3	0	2	4	3	0.3	0.3	0.4	
		Development	3	U		+	3	0.5	0.5	0.4	
6			3	1	0			0.6	-	0.4	
		Department	3	0	2	4	3	0.3	0.3	0.4	
		Elective-I	2	0	4	4	3	0.3	0.3	0.4	
			2	1	2			0.3	0.3	0.4	
		Total	-	-	-	24					

Teaching & Examination Scheme

SEMESTER – VI (Integrated BTech CSE-MBA)

w. e. f. Academic Year 2026-27

Sr.	Course	Course Name	Te	eaching	g Schen	ne	Exa	minatio	n Schem	e
No.	Code			(hours	/week)		Duration	Comp	onent W	eightage
							Hours			
			L	T	P	C	SEE	CE	LPW	SEE
1		Cloud	3	0	2	4	3	0.3	0.3	0.4
		Computing	J	U		7	3	0.5	0.5	0.4
2		Software	3	0	2	4	3	0.3	0.3	0.4
		Engineering	3	U		4	3	0.5	0.5	0.4
3		Hardware	2	0	4	4	3	0.3	0.3	0.4
		Programming	2	U	4	4	3	0.5	0.5	0.4
4		Minor Project	0	0	4	2	-	ı	1	1
5			3	1	0			0.6	-	0.4
		Department	3	0	2	4	3	0.3	0.3	0.4
		Elective-II	2	0	4	4	3	0.3	0.3	0.4
			2	1	2			0.3	0.3	0.4
6			3	1	0			0.6	-	0.4
		Department	3	0	2	4	3	0.3	0.3	0.4
		Elective -III	2	0	4	4	3	0.3	0.3	0.4
			2	1	2			0.3	0.3	0.4
		Total	-	-	-	22				
			Sup	pleme	ntary (Course			•	
		Campus to	1							
		corporate-II	1	-	-	-				

Institute of Technology

Teaching & Examination Scheme Bachelor of Technology (Mechanical Engineering)

Semester-III

Course	Course Title			Sche	eme	e. f. Acader Exam		n Scher		
Code	a os pattanta de	(h	ours	week	()	MAINT STATE				
		L	T	P	C	Duration (hours)		Compon Weighta		
						SEE	CE	LPW	SEE	
	Mechanics of Solids	2	0	2	3	3	0.3	0.3	0.4	
	Manufacturing Processes-I	2	0	2	3	3	0.3	0.3	0.4	
	Material Science and Engineering	2	0	2	3	3	0.3	0.3	0.4	
	Mathematics for Mechanical Engineers	2	1	0	3	3	0.6	-	0.4	
	Industrial Drafting and Machine Element Design	1	0	4	3	-	0.6	0.4	-	
	Organizational Behaviour	2	1	0	3	3	0.6	-	0.4	
	Total	11	2	10	18					
	Internship-Community Services*	0	0	6	3	-	1	-	-	

Course Code	Course Title		ching lours			Examination Scheme			
		L	T	P	C	Duration (hours)		Compon Weighta	
						SEE	CE	LPW	SEE
	Theory of Machines	2	0	2	3	3	0.3	0.3	0.4
	Manufacturing Processes-II	2	0	2	3	3	0.3	0.3	0.4
	Metrology and Quality Control	2	0	2	3	3	0.3	0.3	0.4
	Thermodynamics	2	1	0	3	3	0.6	-	0.4
	Economics	2	1	0	3	3	0.6	-	0.4
	Indian Constitution and Citizenship	2	1	0	3	3	0.6	-	0.4
	Total	12	3	6	18	-	-	-	-
Supplementar	y Course								
0FT002	Campus to Corporate-I	1	-	-	-	-	1		-

L: Lectures, P/T: Practicals / Tutorials, C: Credits

SEE: Semester End Examination

LPW/PW: Laboratory / Project Work

CE: Continuous Evaluation

Teaching & Examination Scheme Bachelor of Technology (Mechanical Engineering) Semester-V

w. e. f. Academic Year 2026-27

						11. 0. 1. 1	reacti	ne i cai	
Course	Course Title		aching	_		Exa	minati	on Schen	1e
Code		(hours	/weel	()				
		${f L}$	T	P	C	Duration		Compon	ent
						Hours		Weighta	ge
						SEE	CE	LPW	SEE
	Dynamics of	3	0	2	4	3	0.3	0.3	0.4
	Machines								
	Machine Design –I	3	0	2	4	3	0.3	0.3	0.4
	Fluid Mechanics and	3	0	2	4	3	0.3	0.3	0.4
	Fluid Power								
	Heat and Mass	3	0	2	4	3	0.3	0.3	0.4
	Transfer								
	Production	3	0	2	4	3	0.3	0.3	0.4
	Technology and								
	Management								
	Department	3	1	0	4	3	0.6	-	0.4
	Elective-I	3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Total	-	-	-	24	-	-	-	-
Supplement	ary Course								
0FT003	Campus to Corporate-II	1	-	-	-	-	1	-	-

L: Lectures, P/T: Practicals / Tutorials, C: Credits

LPW/PW: Laboratory / Project Work

SEE: Semester End Examination

CE: Continuous Evaluation

Teaching & Examination Scheme Bachelor of Technology (Mechanical Engineering) Semester-VI

Course	Course Title	T	.1.	0.1		w. e. f. Academic Year 2026-27				
Code	Course Title	1	aching hours			Exan	ninatio	n Schem	e	
		L	T	P	C	Duration Hours		Compone Weightag		
						SEE	CE	LPW	SEE	
	Machine Design-II	3	0	2	4	3	0.3	0.3	0.4	
	Power Plant and Renewable Energy Systems	3	0	2	4	3	0.3	0.3	0.4	
	Applied Thermal Engineering	3	0	2	4	3	0.3	0.3	0.4	
	Research Methodology and Seminar*	2	0	0	-	-	-	-	-	
	Department Elective-II	3	1	0	4	3	0.6	-	0.4	
		3	0	2			0.3	0.3	0.4	
		2	1	2			0.3	0.3	0.4	
	Open Elective-I	3	1	0	4	3	0.6	-	0.4	
		3	0	2			0.3	0.3	0.4	
		2	1	2			0.3	0.3	0.4	
Total		-	-	-	20	-	-	-	-	
]	Intern	ship						
Summer	Internship**	1-	-	-	6		1	_	2	

^{*}The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7.

**Compulsory Summer Internship of 6 weeks duration in summer break between Semester VI and

L: Lectures, P/T: Practicals / Tutorials, C: Credits

SEE: Semester End Examination CE: Continuous Evaluation

LPW/PW: Laboratory / Project Work w.e.f. for first year students admitted in 2024-25 and D to D students admitted in 2025-26 onwards

32

Institute of Technology

Teaching & Examination Scheme Bachelor of Technology (Mechanical Engineering)

Semester-VII

w. e. f. Academic Year 2027-28

Course Code	Course Title			g Sch s/weel		Exar	ninati	mination Scheme				
		L	T	P	C	Duration Hours	Component Weightage					
						SEE	CE	LPW	SEE			
	Computer Integrated Manufacturing	3	0	2	4	3	0.3	0.3	0.4			
	Research Methodology and Seminar*	0	0	4	4	-	0.5	0.5	-			
	Department Elective-	3	1	0	4	3	0.6	-	0.4			
	III	3	0	2			0.3	0.3	0.4			
	8.	2	1	2			0.3	0.3	0.4			
	Open Elective-II	3	1	0	4	3	0.6	-	0.4			
		3	0	2			0.3	0.3	0.4			
		2	1	2			0.3	0.3	0.4			
	Open Elective-III	3	1	0	4	3	0.6	-	0.4			
		3	0	2			0.3	0.3	0.4			
		2	1	2			0.3	0.3	0.4			
4701	Total	-	-	-	20	-	-	-	-			

^{*}The course will be spread over two semesters (semester 6 and semester 7). 4 credits will be awarded on successful completion of examination components at the end of semester 7. w.e.f. for first year students admitted in 2024-25 and D to D students admitted in 2025-26 onwards

Semester-VIII

w. e. f. Academic Year 2027-28

Course Code	Course Title			g Scho s/week		Examination Scheme					
		L	T	P	C	Duration Hours	1	ent ge			
						SEE	CE	LPW	SEE		
	Internship / Research Project	-	-	-	12	-	-	1	-		
			Tot	al Cre	dits =	12					

