NIRMA UNIVERSITY
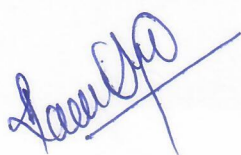## Institute of Technology
Teaching & Examination Scheme
Bachelor of Technology (Chemical Engineering)
Semester-III

w. e. f. Academic Year 2025-26

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration (hours) SEE	Component Weightage		
							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**				
	Internship-Community Services*	0	0	6	3	-	1	-	-

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

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

Semester IV

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration (hours) SEE	Component Weightage		
							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**	-	-	-	-
Supplementary Course									
	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
w.e.f. for first year students admitted in 2024-25 and D to D students admitted in 2025-26 onwards

NIRMA UNIVERSITY
Institute of Technology
Teaching & Examination Scheme
Bachelor of Technology (Chemical Engineering)
Semester-V

w. e. f. Academic Year 2026-27

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme				
		L	T	P	C	Duration Hours	Component Weightage			
						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	-	-	-	-	
Supplementary Course										
	Campus to Corporate – II	1	-	-	-	-	1	-	-	

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

Semester-VI

w. e. f. Academic Year 2026-27

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		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
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
	Open Elective – I Emerging Area, Department Specific)	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	-	-	-	-
	Internship								
Summer Internship**		-	-	-	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.

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

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

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

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

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme
B. Tech. Chemical Engineering
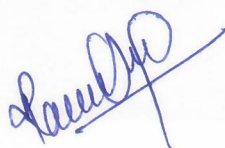### Semester-VII

w. e. f. Academic Year 2027-28

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme				
		L	T	P	C	Duration Hours SEE	CE	LPW	SEE	
	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 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 – 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

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme				
		L	T	P	C	Duration Hours SEE	CE	LPW	SEE	
	Internship / Research Project	-	-	-	12	-	-	1	-	
	Total Credits = 12									

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

NIRMA UNIVERSITY
Institute of Technology
Teaching & Examination Scheme
Bachelor of Technology (Electronics and Instrumentation Engineering)
Semester-III

w. e. f. Academic Year 2025-26

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration (hours) SEE	Component Weightage		
							CE	LPW	SEE
2EI101	Control Theory	2	1	0	3	3	0.6	-	0.4
2EI601	Basic Electronics	2	0	2	3	3	0.3	0.3	0.4
2EI102	Circuit Theory	2	0	2	3	3	0.3	0.3	0.4
2EI103	Software For Engineers	2	0	2	3	3	0.3	0.3	0.4
2EI801	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	-	0.4
	Total	**12**	**2**	**8**	**18**				
2FT901	Internship-Community Services*	0	0	6	3	-	1	-	-
Supplementary Course									
0FT002	Campus to Corporate-I	1	-	-	-	-	1	-	-

Semester IV

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration (hours) SEE	Component Weightage		
							CE	LPW	SEE
2EI602	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
IMU803	Indian Constitution and Citizenship	2	1	0	3	3	0.6	-	0.4
	Total	**12**	**02**	**08**	**18**	-	-	-	-
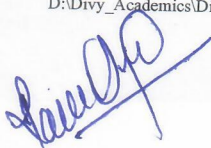
L: Lectures, P/T: Practicals / Tutorial, C: Credits

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

SEE: Semester End Examination

CE: Continuous Evaluation

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme
Bachelor of Technology (Electronics and Instrumentation Engineering)
Semester-V

w. e. f. Academic Year 2026-27

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme				
		L	T	P	C	Duration Hours	Component Weightage			
						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	
		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
LPW/PW: Laboratory / Project Work
SEE: Semester End Examination
CE: Continuous Evaluation
w.e.f. for first year students admitted in 2024-25 and D to D students admitted in 2025-26 onwards

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme
Bachelor of Technology (Electronics and Instrumentation Engineering)
Semester-VI

w. e. f. Academic Year 2026-27

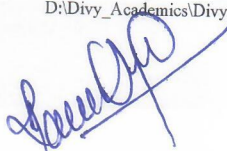| Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration Hours SEE	CE	LPW	SEE
	Industrial Instrumentation	3	0	2	4	3	0.3	0.3	0.4
	Process Automation	3	0	2	4	3	0.3	0.3	0.4
	AI for Automation	3	0	2	4	3	0.3	0.3	0.4
	Research Methodology and Seminar*	2	0	0	-	-	-	-	-
	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	0.6	-	0.4
		3	0	2			0.3	0.3	0.4
		2	1	2			0.3	0.3	0.4
Total		-	-	-	20	-	-	-	-
Internship									
Summer Internship**		-	-	-	6		1	-	-
Supplementary Course									
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.

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

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

SEE: Semester End Examination
CE: Continuous Evaluation

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme
B. Tech. Electronics and Instrumentation Engineering
Semester-VII

w. e. f. Academic Year 2027-28

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration Hours	Component Weightage		
						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-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-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	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration Hours	Component Weight age		
						SEE	CE	LPW	SEE
	Internship / Research Project	-	-	-	12	-	-	1	-
	Total Credits = 12								

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

NIRMA UNIVERSITY
Institute of Technology
Teaching & Examination Scheme
Bachelor of Technology (Civil Engineering)
Semester-III

w. e. f. Academic Year 2025-26

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration (hours)	Component Weightage		
						SEE	CE	LPW	SEE
2CL101	Mechanics of Solids	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	0.3	0.4
2CL801	Mathematics for Civil Engineers	2	0	2	3	3	0.3	0.3	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**				
2FT901	Internship-Community Services*	**0**	**0**	**6**	**3**	-	1	-	-

Semester-IV

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration (hours)	Component Weightage		
						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	-	0.4
1MU803	Indian Constitution and Citizenship	2	1	0	3	3	0.6	-	0.4
	Total	**12**	**02**	**08**	**18**	-	-	-	-
Supplementary Course									
0FT002	Campus to Corporate-I	1	-	-	-	-	1	-	-
0CL001	Testing of Geotextiles for Infrastructure Applications	-	-	2	-	-	-	1	-
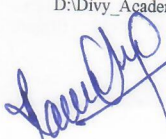
L: Lectures, P/T: Practicals / Tutorial, C: Credits
LPW/PW: Laboratory / Project Work
SEE: Semester End Examination
CE: Continuous Evaluation
w.e.f. for first year students admitted in 2024-25 and D to D students admitted in 2025-26 onwards

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
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)			Examination Scheme				
		L	T	P	C	Duration Hours	Component Weightage		
						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-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	-	-	-	-
Supplementary 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

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

Semester-VI

w. e. f. Academic Year 2026-27

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration Hours	Component Weightage		
						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	-	-	-	-	-
	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	-	-	-	-
	Internship								
Summer Internship**		-	-	-	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.

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

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

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

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme
B. Tech. Civil Engineering

Semester-VII

w. e. f. Academic Year 2027-28

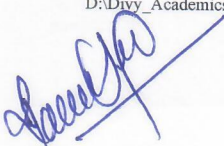| Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme				
		L	T	P	C	Duration Hours SEE	CE	LPW	SEE	
	Professional Practice	3	0	2	4	3	0.3	0.3	0.4	
	Research Methodology and Seminar*	0	0	4	4	-	0.5	0.5	-	
	Department Elective-III	3	1	0	4	3	0.6	-	0.4	
		3	0	2			0.3	0.3	0.4	
		2	1	2			0.3	0.3	0.4	
	Open Elective-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	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration Hours SEE	CE	LPW	SEE
	Internship / Research Project	-	-	-	12	-	-	1	-
	Total Credits = 12								

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

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme
BTech in Electrical Engineering
Semester-III

w. e. f. Academic Year 2025-26

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration (hours) SEE	Component Weightage		
							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 Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration (hours) SEE	Component Weightage		
							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**	-	-	-	-
Supplementary Course									
	Campus to Corporate-I	1	-	-	-	-	1	-	-

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

SEE: Semester End Examination
CE: Continuous Evaluation

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

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NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme
BTech in Electrical Engineering
Semester-V

w. e. f. Academic Year 2026-27

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme				
		L	T	P	C	Duration Hours	Component Weightage			
						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	-	-	-	-	
Supplementary Course										
	Campus to Corporate-II	1	-	-	-	-	1	-	-	

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

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

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme
BTech in Electrical Engineering
Semester-VI

w. e. f. Academic Year 2026-27

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration Hours 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	-	-	-	-
Internship									
Summer Internship**		-	-	-	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.

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

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

SEE: Semester End Examination
CE: Continuous Evaluation

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

w. e. f. Academic Year 2027-28

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme				
		L	T	P	C	Duration Hours	Component Weightage			
						SEE	CE	LPW	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)				Examination Scheme				
		L	T	P	C	Duration Hours	Component Weight age			
						SEE	CE	LPW	SEE	
	Internship / Research Project	-	-	-	12	-	-	1	-	
Total Credits = 12										

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

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

Semester-III

w. e. f. Academic Year 2025-26

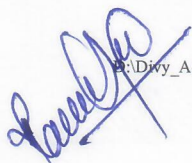| Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme				
		L	T	P	C	Duration (hours) SEE	Component Weightage			
							CE	LPW	SEE	
	Electronic Devices	2	0	2	3	3	0.3	0.3	0.4	
	Digital Logic Design	2	0	2	3	3	0.3	0.3	0.4	
	Network Theory	2	1	0	3	3	0.6	-	0.4	
	Mathematics for Electronics & 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**					
Internship										
2FT901	Internship-Community Services*	0	0	6	3	-	1.0	-	-	
	Total				21					
Supplementary Course										
0FT002	Campus to Corporate-I	1	-	-	-	-	1	-	-	

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme
Bachelor of Technology (Electronics & Communication Engineering)

Semester IV

w. e. f. Academic Year 2025-26

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration (hours)	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	-	0.4
	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

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

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme
Bachelor of Technology (Electronics & Communication Engineering)
Semester-V

w. e. f. Academic Year 2026-27

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration Hours SEE	CE	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 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	-	-	-	-

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

SEE: Semester End Examination
CE: Continuous Evaluation

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

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme
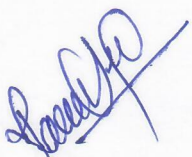### Bachelor of Technology (Electronics & Communication Engineering)
Semester-VI

w. e. f. Academic Year 2026-27

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme				
		L	T	P	C	Duration Hours	Component Weightage			
						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**	-	-	-	-	
Internship										
Summer Internship**		-	-	-	**6**		1	-	-	
Supplementary Course										
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.
**Compulsory Summer Internship of 6 weeks duration in summer break between Semester VI and VII

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

SEE: Semester End Examination
CE: Continuous Evaluation

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

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme
B. Tech. (Electronics & Communication Engineering)
Semester-VII

w. e. f. Academic Year 2027-28

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme				
		L	T	P	C	Duration Hours	Component Weightage			
						SEE	CE	LPW	SEE	
	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-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-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	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration Hours	Component Weight age		
						SEE	CE	LPW	SEE
	Internship / Research Project	-	-	-	12	-	-	1	-
	Total Credits = 12								

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

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme

BTECH SEMESTER – III
(BTech Computer Science and Engineering)

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

Sr. No.	Course Code	Course Name	Teaching Scheme (hours/week)				Examination Scheme			
							Duration Hours	Component Weightage		
			L	T	P	C	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				
		Internship								
		Internship-Community Services	-	-	-	3	-	1.0	-	-
		Supplementary Course								
		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

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY

SEMESTER – IV
(BTech Computer Science and Engineering)

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

Sr. No.	Course Code	Course Name	Teaching Scheme (hours/week)				Examination Scheme			
							Duration Hours	Component 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	-	0.4
		Total	12	02	8	18				

SEMESTER – V

w. e. f. Academic Year 2026-27

Sr. No.	Course Code	Course Name	Teaching Scheme (hours/week)				Examination Scheme			
							Duration Hours	Component Weightage		
			L	T	P	C	SEE	CE	LPW	SEE
1		Machine Learning	3	0	2	4	3	0.3	0.3	0.4
2		Computer Networks	3	0	2	4	3	0.3	0.3	0.4
3		Design and Analysis of Algorithms	3	0	2	4	3	0.3	0.3	0.4
4		Microprocessor and Interfacing	3	0	2	4	3	0.3	0.3	0.4
5		Full Stack Development	3	0	2	4	3	0.3	0.3	0.4
6		Department Elective-I	3	1	0	4	3	0.6	-	0.4
			3	0	2			0.3	0.3	0.4
			2	0	4			0.3	0.3	0.4
			2	1	2			0.3	0.3	0.4
		Total	-	-	-	24				

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY

SEMESTER – VI
(BTech Computer Science and Engineering)
w. e. f. Academic Year 2026-27

Sr. No.	Course Code	Course Name	Teaching Scheme (hours/week)				Examination Scheme			
							Duration Hours	Component Weightage		
			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	-	-	-	-	-
5		Department Elective-II	3	1	0	4	3	0.6	-	0.4
			3	0	2			0.3	0.3	0.4
			2	0	4			0.3	0.3	0.4
			2	1	2			0.3	0.3	0.4
6		Open Elective-I	3	1	0	4	3	0.6	-	0.4
			3	0	2			0.3	0.3	0.4
			2	0	4			0.3	0.3	0.4
			2	1	2			0.3	0.3	0.4
		Total	-	-	-	**20**				
		Internship								
		Summer Internship**	-	-	-	**6**	-	-	-	-
		Supplementary Course								
		Campus to 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. No.	Course Code	Course Name	Teaching Scheme (hours/week)				Examination Scheme			
							Duration Hours	Component Weightage		
			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		Department Elective-III	3	1	0	4	3	0.6	-	0.4
			3	0	2			0.3	0.3	0.4
			2	0	4			0.3	0.3	0.4
			2	1	2			0.3	0.3	0.4
4		Open Elective - II	3	1	0	4	3	0.6	-	0.4
			3	0	2			0.3	0.3	0.4
			2	0	4			0.3	0.3	0.4
			2	1	2			0.3	0.3	0.4
5		Open Elective - III	3	1	0	4	3	0.6	-	0.4
			3	0	2			0.3	0.3	0.4
			2	0	4			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. No.	Course Code	Course Name	Teaching Scheme (hours/week)				Examination Scheme			
							Duration Hours	Component Weightage		
			L	T	P	C	SEE	CE	LPW	SEE
1		Internship/ Research Project	-	-	-	12	-	-	1.0	-
		Total Credits=12								

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

SEMESTER – III
(Integrated BTech CSE-MBA)

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

Sr. No.	Course Code	Course Name	Teaching Scheme (hours/week)				Examination Scheme			
							Duration Hours	Component Weightage		
			L	T	P	C	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				
Internship										
		Internship-Community Services	-	-	-	3	-	1.0	-	-
Supplementary Course										
		Campus to Corporate-I	1	-	-	-				

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

SEE: Semester End Examination
CE: Continuous Evaluation

SEMESTER – IV
(Integrated BTech CSE-MBA)

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

Sr. No.	Course Code	Course Name	Teaching Scheme (hours/week)				Examination Scheme			
							Duration Hours	Component 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	-	0.4
		Total	12	02	8	18				

SEMESTER – V

w. e. f. Academic Year 2026-27

Sr. No.	Course Code	Course Name	Teaching Scheme (hours/week)				Examination Scheme			
							Duration Hours	Component Weightage		
			L	T	P	C	SEE	CE	LPW	SEE
1		Machine Learning	3	0	2	4	3	0.3	0.3	0.4
2		Computer Networks	3	0	2	4	3	0.3	0.3	0.4
3		Design and Analysis of Algorithms	3	0	2	4	3	0.3	0.3	0.4
4		Microprocessor and Interfacing	3	0	2	4	3	0.3	0.3	0.4
5		Full Stack Development	3	0	2	4	3	0.3	0.3	0.4
6		Department Elective-I	3	1	0	4	3	0.6	-	0.4
			3	0	2			0.3	0.3	0.4
			2	0	4			0.3	0.3	0.4
			2	1	2			0.3	0.3	0.4
		Total	-	-	-	24				

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme

SEMESTER – VI
(Integrated BTech CSE-MBA)

w. e. f. Academic Year 2026-27

Sr. No.	Course Code	Course Name	Teaching Scheme (hours/week)				Examination Scheme			
							Duration Hours	Component Weightage		
			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		Minor Project	0	0	4	2	-	-	1	-
5		Department Elective-II	3	1	0	4	3	0.6	-	0.4
			3	0	2			0.3	0.3	0.4
			2	0	4			0.3	0.3	0.4
			2	1	2			0.3	0.3	0.4
6		Department Elective -III	3	1	0	4	3	0.6	-	0.4
			3	0	2			0.3	0.3	0.4
			2	0	4			0.3	0.3	0.4
			2	1	2			0.3	0.3	0.4
		Total	-	-	-	**22**				
		Supplementary Course								
		Campus to corporate-II	1	-	-	-				

NIRMA UNIVERSITY
Institute of Technology
Teaching & Examination Scheme
Bachelor of Technology (Mechanical Engineering)
Semester-III

w. e. f. Academic Year 2025-26

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration (hours)	Component Weightage		
						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	-	-

Semester IV

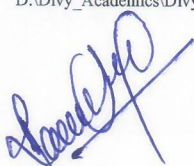| Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration (hours)	Component Weightage		
						SEE	CE	LPW	SEE
	Theory of Machines	2	0	2	3	3	0.3	0.3	0.4
	Manufacturing Processes-II	2	0	2	3	3	0.3	0.3	0.4
	Metrology and Quality Control	2	0	2	3	3	0.3	0.3	0.4
	Thermodynamics	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**	-	-	-	-
Supplementary 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
w.e.f. for first year students admitted in 2024-25 and D to D students admitted in 2025-26 onwards

w. e. f. Academic Year 2026-27

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme				
		L	T	P	C	Duration Hours	Component Weightage			
						SEE	CE	LPW	SEE	
	Dynamics of Machines	3	0	2	4	3	0.3	0.3	0.4	
	Machine Design –I	3	0	2	4	3	0.3	0.3	0.4	
	Fluid Mechanics and Fluid Power	3	0	2	4	3	0.3	0.3	0.4	
	Heat and Mass Transfer	3	0	2	4	3	0.3	0.3	0.4	
	Production Technology and Management	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	-	-	-	-	
Supplementary Course										
0FT003	Campus to Corporate-II	1	-	-	-	-	1	-	-	

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

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

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Teaching & Examination Scheme
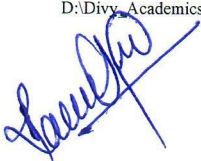### Bachelor of Technology (Mechanical Engineering)
Semester-VI

w. e. f. Academic Year 2026-27

Course Code	Course Title	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration Hours	Component Weightage		
						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	-	-	-	-
Internship									
Summer Internship**		-	-	-	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.

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

L: Lectures, P/T: Practicals / Tutorials, C: Credits   SEE: Semester End Examination
LPW/PW: Laboratory / Project Work   CE: Continuous Evaluation
w.e.f. for first year students admitted in 2024-25 and D to D students admitted in 2025-26 onwards

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

Semester-VII

w. e. f. Academic Year 2027-28

Course Code	Course Title	Teaching Scheme (hours/week)				Examination 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-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-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	Teaching Scheme (hours/week)				Examination Scheme			
		L	T	P	C	Duration Hours	Component Weight age		
						SEE	CE	LPW	SEE
	Internship / Research Project	-	-	-	12	-	-	1	-
	Total Credits = 12								

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