

B.E. Computer Science & Engineering

Semester-I Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM5101	Engineering Mathematics-I	3	1	-	4
2	AP5101	Engineering Physics	3	1	-	4
3	EE5101	Basic Electrical & Electronics Engineering	3	1	-	4
4	CS5102	Programming Methodology	3	1	-	4
5	CS5103	Discrete Mathematical Structure	3	1	-	4
6	CS5104	Digital Logic Design	3	1	-	4
7	AP5151	Engineering Physics Lab	-	-	2	1
8	EE5151	Basic Electrical & Electronics Engineering Lab	-	-	2	1
9	CS5152	Programming Methodology Lab	-	-	4	2
		Total	18	6	8	28
10	GP5151	General Proficiency	-	-	-	1

Semester-II Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AC5201	Engineering Chemistry	3	1	-	4
2	AM5201	Engineering Mathematics -II	3	1	-	4
3	HU5201	Communication Skills	3	-	-	3
4	CS5202	Data Structures & Algorithms	3	2	-	5
5	CS5203	Data Communication	3	1	-	4
6	CS5204	Computer Architecture & Organization	3	1	-	4
7	AC5251	Engineering Chemistry Lab	-	-	2	1
8	HU5251	Communication Skills Lab	-	-	2	1
9	CS5252	Data Structures & Algorithms Lab	-	-	2	1
10	CS5260	Seminar & Group Discussion	-	-	2	1
		Total	18	6	8	28
11	GP5251	General Proficiency	-	-	-	1
12	TP5251	Industrial Training (8 weeks during Summer Vacation)	-	-	-	2

Semester-III Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	CS6101	RDBMS	3	1	-	4
2	EV6101	Environmental Science & Engineering	3	-	-	3
3	HU6101	Entrepreneurship & Business Management	3	-	-	3
4	CS6102	Microprocessor & Applications	3	1	-	4
5	CS6103	Operating Systems	3	1	-	4
6	CS6104	Computer Networks	3	1	-	4
7	CS6151	RDBMS Lab	-	-	4	2
8	CS6152	Microprocessor & Applications Lab	-	-	2	1
9	CS6153	Operating Systems Lab	-	-	4	2
		Total	18	4	10	27
10	GP6151	General Proficiency	-	-	-	1

Semester-IV Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM6201	Numerical Methods	3	-	-	3
2	CS6201	Software Engineering	3	1	-	4
3	MS6201	Materials Science & Engineering	3	-	-	3
4	CS6202	System Software	3	1	-	4
5	CS6203	Algorithm Analysis & Design	3	2	-	5
6	**P62**	Open Elective	3	-	-	3
7	AM6251	Numerical Methods Lab	-	-	2	1
8	CS6251	Software Engineering Lab	-	-	4	2
9	MS6251	Materials Science & Engineering Lab	-	-	2	1
10	CS6252	System Software Lab	-	-	2	1
Total			18	4	10	27
12	GP6251	General Proficiency	-	-	-	1

Semester-V Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	CS7101	Computer Graphics	3	1	-	4
2	CS7102	Artificial Intelligence	3	1	-	4
3	CS7103	Theory of Computation	3	1	-	4
4	CS7104*	Elective- I	3	1	-	4
5	CS7105*	Elective- II	3	1	-	4
6	CS7151	Computer Graphics Lab	-	-	2	1
7	CS7152	Artificial Intelligence Lab	-	-	2	1
8	CS7170	Minor Project	-	-	6	3
Total			15	5	10	25
9	GP7151	General Proficiency	-	-	-	1

Semester-VI Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	CS7201	Advance Computer Architecture	3	1	-	4
2	CS7202	Compiler Design	3	1	-	4
3	CS7203*	Elective-III	3	1	-	4
4	CS7204*	Elective-IV	3	1	-	4
5	CS7255	Emerging Technologies Lab	-	-	4	2
6	CS7260	Seminar	-	-	2	1
7	CS7270	Major Project	-	-	8	4
Total			12	4	14	23
8	GP7251	General Proficiency	-	-	-	1

S N	Sub Code	ELECTIVE-I (any one of the following)	L	T	P	Credits
1	CS 7104A	Advance Database Management Systems	3	1	-	4
2	CS 7104B	Cryptography	3	1	-	4
3	CS 7104C	Digital Signal Processing	3	1	-	4
4	CS 7104D	Embedded Systems	3	1	-	4
5	CS 7104E	Natural Language Processing	3	1	-	4

ELECTIVE-II (any one of the following)			L	T	P	Credits
1	CS 7105A	Operating System Internals	3	1	-	4
2	IT 7105A	Distributed Computing	3	1	-	4
3	CS 7105B	Real Time Systems	3	1	-	4
4	IT 7105B	Client Server Architecture	3	1	-	4
5	CS 7105C	Fault Tolerant Computing	3	1	-	4

ELECTIVE-III (any one of the following)			L	T	P	Credits
1	CS 7203A	Digital Image Processing	3	1	-	4
2	CS 7203B	Distributed Computing	3	1	-	4
3	IT 7203C	Real Time Systems	3	1	-	4
4	IT 7203D	Client Server Architecture	3	1	-	4
5	CS 7203E	Fault Tolerant Computing	3	1	-	4

ELECTIVE-IV (any one of the following)			L	T	P	Credits
1	IT 7204A	Internet working with TCP/IP	3	1	-	4
2	CS 7204B	Simulation & Modeling	3	1	-	4
3	IT 7204C	Multimedia Technologies	3	1	-	4
4	IT 7204D	Cyber Laws and IPR	3	1	-	4
5	CS 7204E	Soft Computing	3	1	-	4

B.E. Electronics and Communication Engg

Semester-I Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 5101	Engineering Mathematics-I	3	1	-	4
2	AP 5101	Engineering Physics	3	1	-	4
3	CS 5101	Object Oriented Programming	3	-	-	3
4	EC 5101	Communication Systems	3	1	-	4
5	EE 5101	Basic Electrical & Electronics Engineering	3	1	-	4
6	EC 5102	Network Analysis & Synthesis	3	1	-	4
7	AP 5151	Engineering Physics Lab.	-	-	2	1
8	CS 5151	Object Oriented Programming Lab	-	-	2	1
9	EC 5151	Communication Systems Lab.	-	-	3	1
10	EE 5151	Basic Electrical & Electronics Engineering Lab	-	-	2	1
		Total	18	5	9	27
11	GP 5151	General Proficiency	-	-	-	1

Semester-II Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AC 5201	Engineering Chemistry	3	1	-	4
2	AM 5201	Engineering Mathematics-II	3	1	-	4
3	EC 5201	Analog Electronic Circuits	3	1	-	4
4	HU 5201	Communication Skills	3	-	-	3
5	EC 5202	Digital System Design	3	1	-	4
6	EC 5203	Signals & Systems	3	1	-	4
7	AC 5251	Engineering Chemistry Lab	-	-	2	1
8	EC 5251	Analog Electronic Circuits Lab	-	-	2	1
9	HU 5251	Communication Skills Lab	-	-	2	1
10	EC 5252	Digital System Design Lab.	-	-	3	1
		Total	18	5	9	27
11	GP 5251	General Proficiency	-	-	-	1
12	TP 5251	Industrial Training (8 weeks during Summer Vacation)	-	-	-	2

Semester-III Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	EV 6101	Environmental Science & Engineering	3	-	-	3
2	EC 6101	Linear ICs & Applications	3	1	-	4
3	HU 6101	Entrepreneurship & Business Management	3	-	-	3
4	EC 6102	Microprocessors & Microcontrollers	3	1	-	4
5	EC 6103	Digital Communications	3	1	-	4
6	EC 6104	EMF & Transmission Lines	3	1	-	4
7	EC 6151	Linear ICs & Applications Lab	-	-	4	2
8	EC 6152	Microprocessors & Microcontrollers Lab	-	-	4	2
9	EC 6153	Digital Communications Lab	-	-	2	1
		Total	18	4	10	27
10	GP 6151	General Proficiency	-	-	-	1

Semester-IV Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 6201	Numerical Methods	3	-	-	3
2	EC 6201	Industrial Electronics & Applications	3	1	-	4
3	MS 6201	Materials Science & Engineering	3	-	-	3
4	EC 6202	Microwave engineering	3	1	-	4
5	EC 6203	Antenna & wave Propagation	3	2	-	5
6	** P62**	Open Elective	3	-	-	3
7	AM 6251	Numerical Methods Lab	-	-	2	1
8	EC 6251	Industrial Electronics & Applications Lab	-	-	2	1
9	MS 6251	Materials Science & Engineering Lab	-	-	2	1
10	EC 6254	Advance Commnuications Lab-I	-	-	4	2
		Total	18	4	10	27
11	GP 6251	General Proficiency	-	-	-	1

Semester-V Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	EC 7101	Digital Signal Processing	3	1	-	4
2	EC 7102	Wireless Communication	3	1	-	4
3	EC 7103	Microelectronics	3	1	-	4
4	EC 7104*	Elective-I	3	1	-	4
5	EC 7105*	Elective-II	3	1	-	4
6	EC 7106	Fiber Optic Communications	3	1	-	4
7	EC 7151	Digital Signal Processing Lab	-	-	2	1
8	EC 7157	Advance Communications Lab-II	-	-	4	2
		Total	18	6	6	27
9	GP 7151	General Proficiency	-	-	-	1

Semester-VI Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	EC 7201	Computer & Communication Networks	3	1	-	4
2	EC 7202	Radar & Navigational Aids	3	1	-	4
3	EC 7203*	Elective-III	3	1	-	4
4	EC 7204*	Elective-IV	3	1	-	4
5	EC 7205	Control System Engineering	3	1	-	4
6	EC 7260	Seminar	-	-	2	1
7	EC 7270	Project	-	-	8	4
		Total	15	5	10	25
8	GP 7251	General Proficiency	-	-	-	1

S N	Sub Code	ELECTIVE-I (any one of the following)	L	T	P	Credits
1	CS 7104F	Operating Systems	3	1	-	4
2	CS 7104G	Algorithms & Simulation Techniques	3	1	-	4
3	CS 7104H	Database Management System	3	1	-	4
4	EC 7104A	Operations Research	3	1	-	4
5	EC 7104B	Mobile communications	3	1	-	4
6	EC 7104C	Electronic Instrumentation	3	1	-	4
7	EC 7104D	Software Tools for Electronic Design	3	1	-	4

	Sub Code	ELECTIVE-II (any one of the following)	L	T	P	Credits
1	EC 7105A	TV Engineering	3	1	-	4
2	EC 7105B	Reliability Engineering	3	1	-	4
3	EC 7105C	Embedded System	3	1	-	4
4	EC 7105D	Computer Architecture Design	3	1	-	4
5	EC 7105E	Statistical Communication Theory	3	1	-	4
6	EC 7105F	Digital Logic Controls	3	1	-	4

B.E. FOOD TECHNOLOGY

Semester-I Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AC 5101	Engineering Chemistry	3	1	-	4
2	AM 5101	Engineering Mathematics-I	3	1	-	4
3	FT 5101	Tech of Fruits & Vegetable Processing	3	2	-	5
4	HU 5101	Communication Skills	3	-	-	3
5	FT 5102	Food Microbiology	3	1	-	4
6	FT 5103	Statistical Quality Control	3	1	-	4
7	AC 5151	Engineering Chemistry Lab	-	-	2	1
8	FT 5151	Tech of Fruits & Vegetable Processing Lab	-	-	2	1
9	HU 5151	Communication Skills Lab	-	-	2	1
10	FT 5152	Food Microbiology Lab	-	-	2	1
		Total	18	6	8	28
11	GP 5151	General Proficiency	-	-	-	1

Semester-II Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 5201	Engineering Mathematics-II	3	1	-	4
2	AP 5201	Engineering Physics	3	1	-	4
3	CS 5201	Object Oriented Programming	3	-	-	3
4	EE 5201	Basic Electrical & Electronics Engineering	3	1	-	4
5	FT 5201	Food Chemistry	3	-	-	3
6	FT 5202	Dairy Engineering	3	1	-	4
7	AP 5251	Engineering Physics Lab	-	-	2	1
8	CS 5251	Object Oriented Programming Lab	-	-	2	1
9	EE 5251	Basic Electrical & Electronics Engineering Lab	-	-	2	1
10	FT 5251	Food Chemistry Lab	-	-	2	1
11	FT 5252	Dairy Engineering Lab	-	-	2	1
		Total	18	4	10	27
12	GP 5251	General Proficiency	-	-	-	1
13	TP 5251	Industrial Training (8 weeks during Summer Vacation)	-	-	-	2

Semester-III Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 6101	Numerical Methods	3	-	-	3
3	FT 6101	Computer Applications in Food Engineering	3	1	-	4
5	FT 6102	Bio-Technology	3	1	-	4
6	FT 6103	Food Biochemistry & Nutrition	3	1	-	4
2	FT 6104	Heat, Mass and Momentum Transfer	3	1	-	4
4	MS 6101	Materials Science & Engineering	3	-	-	3
7	AM 6151	Numerical Methods Lab.	-	-	2	1
9	FT 6151	Computer Applications in Food Engineering Lab	-	-	2	1
11	FT 6152	Bio-Technology Lab	-	-	2	1
8	FT 6154	Heat, Mass and Momentum Transfer Lab	-	-	2	1
10	MS 6151	Materials Science & Engineering Lab	-	-	2	1
		Total	18	4	10	27
12	GP 6151	General Proficiency	-	-	-	1

Semester-IV Jan to May (including examinations)

S N	Sub Code		Subject Title	L	T	P	Credits
1	EV	6201	Environmental Science & Engineering	3	-	-	3
2	FT	6201	Biochemical Engineering	3	1	-	4
3	HU	6201	Entrepreneurship & Business Management	3	-	-	3
4	FT	6202	Food Analysis & Quality Control	3	1	-	4
5	FT	6203	Food Engineering	3	2	-	5
6	**	P62**	Open Elective	3	-	-	3
7	FT	6251	Biochemical Engineering Lab	-	-	2	1
8	FT	6252	Food Analysis & Quality Control Lab	-	-	4	2
9	FT	6253	Food Engineering Lab	-	-	4	2
			Total	18	4	10	27
10	GP	6251	General Proficiency	-	-	-	1

Semester-V Aug to Dec (including examinations)

S N	Sub Code		Subject Title	L	T	P	Credits
1	FT	7101	Packaging Technology	3	1	-	4
2	FT	7102	Food Storage Engineering	3	2	-	5
3	FT	7103	Technology of Fats & Oils	3	-	-	3
4	FT	7104	Tech of Cereals & Pulse Processing	3	-	-	3
5	FT	7105	Beverage Technology	3	-	-	3
6	FT	7106	Health Foods	3	1	-	4
7	FT	7151	Packaging Technology Lab	-	-	2	1
8	FT	7152	Food Storage Engineering Lab	-	-	2	1
9	FT	7153	Technology of Fats & Oils Lab	-	-	2	1
10	FT	7154	Tech of Cereals & Pulse Processing Lab	-	-	2	1
			Total	18	4	8	26
11	GP	7151	General Proficiency	-	-	-	1

Semester-VI Jan to May (including examinations)

S N	Sub Code		Subject Title	L	T	P	Credits
1	FT	7201	Animal Products Technology	3	-	-	3
2	FT	7202	Baking & Confectionery Tech	3	-	-	3
3	FT	7203	Food Processing Plant Layout & Design	3	1	-	4
4	FT	7204	Spices & Flavour Technology	3	-	-	3
5	FT	7205	Innovative Techniques in Food Processing	3	-	-	3
6	FT	7251	Animal Products Technology Lab	-	-	2	1
7	FT	7252	Baking & Confectionery Tech Lab	-	-	2	1
8	FT	7260	Seminar	-	-	2	1
9	FT	7270	Project	-	-	8	4
			Total	15	1	14	23
10	GP	7251	General Proficiency	-	-	-	1

B.E. INSTRUMENTATION AND CONTROL ENGINEERING

Semester-I Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 5101	Engineering Mathematics-I	3	1	-	4
2	AP 5101	Engineering Physics	3	1	-	4
3	CS 5101	Object Oriented Programming	3	-	-	3
4	EE 5101	Basic Electrical & Electronics Engineering	3	1	-	4
5	IE 5101	Fundamentals of Measurement & Instrumentation	3	1	-	4
6	EE 5102	Electrical Machines	3	2	-	5
7	AP 5151	Engineering Physics Lab	-	-	2	1
8	CS 5151	Object Oriented Programming Lab	-	-	2	1
9	EE 5151	Basic Electrical & Electronics Engineering Lab	-	-	2	1
10	EE 5152	Electrical Machines Lab	-	-	2	1
		Total	18	6	8	28
11	GP 5151	General Proficiency	-	-	-	1

Semester-II Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AC 5201	Engineering Chemistry	3	1	-	4
2	AM 5201	Engineering Mathematics-II	3	1	-	4
3	HU 5201	Communication Skills	3	-	-	3
4	IE 5201	Digital Electronics	3	1	-	4
5	IE 5202	Electrical & Electronic Measurements	3	1	-	4
6	IE 5203	Electronic Devices & Circuits	3	-	-	3
7	AC 5251	Engineering Chemistry Lab	-	-	2	1
8	HU 5251	Communication Skills Lab	-	-	2	1
9	IE 5251	Analog & Digital Electronics Lab	-	-	3	1
10	IE 5252	Electrical & Electronics Measurement Lab	-	-	3	1
		Total	18	4	10	26
11	GP 5251	General Proficiency	-	-	-	1
12	TP 5251	Industrial Training (8 weeks during Summer Vacation)	-	-	-	2

Semester-III Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	EE 6101	Network Analysis & Synthesis	3	2	-	5
2	EV 6101	Environmental Science & Engineering	3	-	-	3
3	HU 6101	Entrepreneurship & Business Management	3	-	-	3
4	IE 6101	Linear Control Systems	3	2	-	5
5	IE 6102	Microprocessor Applications	3	1	-	4
6	IE 6103	Industrial Instrumentation & Safety	3	2	-	5
7	IE 6151	Linear Control System Lab	-	-	2	1
8	IE 6152	Microprocessor Applications Lab	-	-	2	1
9	IE 6154	Industrial Instrumentation Lab	-	-	3	1
		Total	18	7	7	28
10	GP 6151	General Proficiency	-	-	-	1

Semester-IV Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 6201	Numerical Methods	3	-	-	3
2	IE 6201	Sensors & Signal Processing	3	2	-	5
3	MS 6201	Materials Science & Engineering	3	-	-	3
4	IE 6202	Process Dynamics & Control	3	1	-	4
5	IE 6203	Non linear & Discrete Control System	3	2	-	5
6	** P62**	Open Elective	3	-	-	3
7	AM 6251	Numerical Methods Lab	-	-	2	1
8	IE 6251	Sensors & Signal Processing Lab	-	-	2	1
9	MS 6251	Materials Science & Engineering Lab	-	-	2	1
10	IE 6252	Process Dynamics & Control Lab	-	-	2	1
		Total	18	5	8	27
11	GP 6251	General Proficiency	-	-	-	1

Semester-V Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	EE 7101	Industrial Electronics & Applications	3	1	-	4
2	IE 7101	Micro-controllers & Embedded System	3	1	-	4
3	IE 7102	Data Acquisition & Telemetry	3	1	-	4
4	IE 7103	Digital Signal Processing	3	1	-	4
5	IE 7104	Virtual Instrumentation	3	1	-	4
6	IE 7105*	Elective-I	3	1	-	4
7	EE 7151	Industrial Electronics Lab	-	-	2	1
8	IE 7151	Micro Controller & Embedded system Lab	-	-	2	1
9	IE 7152	Data Acquisition & Telemetry Lab	-	-	2	1
		Total	18	6	6	27
10	GP 7151	General Proficiency	-	-	-	1

Semester-VI Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	IE 7201	Analytical Instrumentation	3	-	-	3
2	IE 7202	Bio-medical Instrumentation	3	1	-	4
3	IE 7203	Advanced Process Control	3	-	-	3
4	IE 7204	Electromagnetic Field Theory	3	-	-	3
5	IE 7205*	Elective-II	3	-	-	3
6	IE 7251	Analytical Instrumentation Lab	-	-	2	1
7	IE 7252	Bio-medical Instrumentation Lab.	-	-	2	1
8	IE 7260	Seminar	-	-	3	1
9	IE 7270	Project	-	-	8	4
		Total	15	1	15	23
10	GP 7251	General Proficiency	-	-	-	1

S N	Sub Code	ELECTIVE-I (any one of the following)	L	T	P	Credits
1	IE 7105A	Power Plant Instrumentation	3	1	-	4
2	IE 7105B	Opto- electronic Instruments	3	1	-	4
3	IE 7105C	Mechatronics	3	1	-	4
4	IE 7105D	Elements of Communication Engineering	3	1	-	4
5	IE 7105E	Optimization Techniques	3	1	-	4
6	IE 7105F	Energy Management & Renewal Energy Sources	3	1	-	4

	Sub Code	ELECTIVE-II (any one of the following)	L	T	P	Credits
1	IE 7205A	Elements of Power System	3	-	-	3
2	IE 7205B	Neural Network & Fuzzy Logic	3	-	-	3
3	IE 7205C	Microwave Instrumentation	3	-	-	3
4	IE 7205D	Advanced Instrumentation	3	-	-	3
5	IE 7205E	Wireless & Mobile Communication	3	-	-	3
6	IE 7205F	Bio-Sensors & MEMS	3	-	-	3

B.E. INFORMATION TECHNOLOGY

Semester-I Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 5101	Engineering Mathematics-I	3	1	-	4
2	AP 5101	Engineering Physics	3	1	-	4
3	CS 5101	Object Oriented Programming	3	-	-	3
4	EE 5101	Basic Electrical & Electronics Engineering	3	1	-	4
5	IT 5101	Fundamentals of IT & Applications	3	1	-	4
6	IT 5102	Digital Electronic & Logic Design	3	1	-	4
7	AP 5151	Engineering Physics Lab	-	-	2	1
8	CS 5151	Object Oriented Programming lab	-	-	2	1
9	EE 5151	Basic Electrical & Electronics Engineering Lab	-	-	2	1
10	IT 5151	Fundamentals of IT & Applications lab	-	-	3	1
		Total	18	5	9	27
11	GP 5151	General Proficiency	-	-	-	1

Semester-II Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AC 5201	Engineering Chemistry	3	1	-	4
2	AM 5201	Engineering Mathematics-II	3	1	-	4
3	HU 5201	Communication Skills	3	-	-	3
4	IT 5201	Data Structures	3	1	-	4
5	IT 5202	Microprocessor & Interfacing	3	1	-	4
6	IT 5203	Internet Programming	3	-	-	3
7	AC 5251	Engineering Chemistry lab	-	-	2	1
8	HU 5251	Communication Skills Lab	-	-	2	1
9	IT 5251	Data Structures lab	-	-	2	1
10	IT 5252	Microprocessor & Interfacing lab	-	-	2	1
11	IT 5253	Internet Programming lab	-	-	2	1
		Total	18	4	10	27
12	GP 5251	General Proficiency	-	-	-	1
13	TP 5251	Industrial Training (8 weeks during Summer Vacation)	-	-	-	2

Semester-III Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	EV 6101	Environmental Science & Engineering	3	-	-	3
2	HU 6101	Entrepreneurship & Business Management	3	-	-	3
3	IT 6101	Operating System Concepts	3	1	-	4
4	IT 6102	Data Communication Systems	3	2	-	5
5	IT 6103	Interactive Computer Graphics	3	2	-	5
6	IT 6104	Computer Architecture & Organization	3	1	-	4
7	IT 6151	Operating System Concepts lab	-	-	4	2
8	IT 6152	Data Communication Systems lab	-	-	2	1
9	IT 6153	Interactive Computer Graphics lab	-	-	2	1
		Total	18	6	8	28
10	GP 6151	General Proficiency	-	-	-	1

Semester-IV Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 6201	Numerical Methods	3	-	-	3
2	IT 6201	Relational Database Management System	3	2	-	5
3	MS 6201	Materials Science & Engineering	3	-	-	3
4	IT 6202	Computer Networks & Security	3	2	-	5
5	IT 6203	Multimedia Technology	3	2	-	5
6	** P62**	Open Elective	3	-	-	3
7	AM 6251	Numerical Methods lab	-	-	2	1
8	IT 6251	Relational Database Management System lab	-	-	2	1
9	MS 6251	Materials Science & Engineering Lab	-	-	2	1
10	IT 6252	Computer Networks & Security lab	-	-	2	1
		Total	18	6	8	28
11	GP 6251	General Proficiency	-	-	-	1

Semester-V Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	IT 7101	Software Project Management	3	1	-	4
2	IT 7102	Web Application Engineering	3	1	-	4
3	IT 7103	Enterprise Resource Planning	3	1	-	4
4	IT 7104*	Elective-I	3	1	-	4
5	IT 7105*	Elective-II	3	1	-	4
6	IT 7151	Software Project Management lab	-	-	2	1
7	IT 7152	Web Application Engineering lab	-	-	2	1
8	IT 7160	Seminar & Group Discussion	-	-	2	1
9	IT 7170	Minor Project	-	-	4	2
		Total	15	5	10	25
10	GP 7151	General Proficiency	-	-	-	1

Semester-VI Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	IT 7201	Intelligent Information System	3	1	-	4
2	IT 7202	Cyber Laws & IPR	3	1	-	4
3	IT 7203*	Elective-III	3	1	-	4
4	IT 7204*	Elective-IV	3	1	-	4
5	IT 7251	Intelligent Information System lab	-	-	4	2
6	IT 7260	Seminar	-	-	2	1
7	IT 7270	Major Project	-	-	8	4
		Total	12	4	14	23
8	GP 7251	General Proficiency	-	-	-	1

Sub Code ELECTIVE-I (any one of the following)			L	T	P	Credits
1	CS 7104A	Advance Database Management Systems	3	1	-	4
2	CS 7104B	Cryptography	3	1	-	4
3	IT 7104A	Object Oriented Modeling and Design	3	1	-	4
4	CS 7104D	Embedded Systems	3	1	-	4
5	CS 7104E	Natural Language Processing	3	1	-	4

Sub Code ELECTIVE-II (any one of the following)			L	T	P	Credits
1	CS 7105A	Operating System Internals	3	1	-	4
2	IT 7105A	Distributed Computing	3	1	-	4
3	CS 7105B	Real Time Systems	3	1	-	4
4	IT 7105B	Client Server Architecture	3	1	-	4
5	CS 7105C	Fault Tolerant Computing	3	1	-	4

Sub Code ELECTIVE-III (any one of the following)			L	T	P	Credits
1	CS 7203A	Digital Image Processing	3	1	-	4
2	CS 7203B	Software Reliability & Testing	3	1	-	4
3	IT 7203A	Data Mining & Warehousing	3	1	-	4
4	IT 7203B	Visual Programming	3	1	-	4
5	CS 7203C	Network Programming	3	1	-	4

Sub Code ELECTIVE-IV (any one of the following)			L	T	P	Credits
1	CS 7204A	Mobile and Cellular Technologies	3	1	-	4
2	CS 7204B	Simulation & Modeling	3	1	-	4
3	CS 7204C	Operations Research	3	1	-	4
4	CS 7204D	Distributed Operating Systems	3	1	-	4
5	CS 7204E	Soft Computing	3	1	-	4

B.E. MECHANICAL ENGG (MANUFACTURING ENGG)

Semester-I Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AC 5101	Engineering Chemistry	3	1	-	4
2	AM 5101	Engineering Mathematics-I	3	1	-	4
3	HU 5101	Communication Skills	3	-	-	3
4	ME 5101	Mechanics of Solid	3	1	-	4
5	ME 5102	Applied Thermodynamics	3	1	-	4
6	ME 5103	Metal Casting	3	-	-	3
7	AC 5151	Engineering Chemistry Lab	-	-	2	1
8	HU 5151	Communication Skills Lab	-	-	2	1
9	ME 5152	Applied Thermodynamics Lab	-	-	2	1
10	ME 5154	Machine Drawing	-	-	4	2
		Total	18	4	10	27
11	GP 5151	General Proficiency	-	-	-	1

Semester-II Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 5201	Engineering Mathematics-II	3	1	-	4
2	AP 5201	Engineering Physics	3	1	-	4
3	CS 5201	Object Oriented Programming	3	-	-	3
4	EE 5201	Basic Electrical & Electronics Engineering	3	1	-	4
5	ME 5201	Fluid Mechanics & Machinery	3	1	-	4
6	ME 5202	Metallurgy & Heat Treatment	3	-	-	3
7	AP 5251	Engineering Physics Lab	-	-	2	1
8	CS 5251	Object Oriented Programming Lab	-	-	2	1
9	EE 5251	Basic Electrical & Electronics Engineering Lab	-	-	2	1
10	ME 5251	Fluid Mechanics & Machinery Lab	-	-	2	1
11	ME 5252	Metallurgy & Heat Treatment Lab	-	-	2	1
		Total	18	4	10	27
12	GP 5251	General Proficiency	-	-	-	1
13	TP 5251	Industrial Training (8 weeks during Summer Vacation)	-	-	-	2

Semester-III Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 6101	Numerical Methods	3	-	-	3
2	ME 6101	Metrology & Mechanical Measurements	3	1	-	4
3	MS 6101	Materials Science & Engineering	3	-	-	3
4	ME 6102	Welding Processes -I	3	1	-	4
5	ME 6103	Theory of Machines -I	3	2	-	5
6	ME 6104	Design of Mechanical Elements	3	2	-	5
7	AM 6151	Numerical Methods Lab	-	-	2	1
8	ME 6151	Metrology & Mech. Measurements Lab	-	-	2	1
9	MS 6151	Materials Science & Engineering Lab	-	-	2	1
10	ME 6152	Welding Processes-I Lab	-	-	2	1
		Total	18	6	8	28
11	GP 6151	General Proficiency	-	-	-	1

Semester-IV Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	EV 6201	Environmental Science & Engineering	3	-	-	3
2	HU 6201	Entrepreneurship & Business Management	3	-	-	3
3	ME 6201	Heat Transfer	3	2	-	5
4	ME 6202	Theory of Machines -II	3	2	-	5
5	ME 6203	CAD/CAM-I	3	2	-	5
6	** P62**	Open Elective	3	-	-	3
7	ME 6251	Heat Transfer Lab	-	-	2	1
8	ME 6252	Theory of Machines -II Lab	-	-	2	1
9	ME 6253	CAD/CAM-I Lab	-	-	4	2
		Total	18	6	8	28
10	GP 6251	General Proficiency	-	-	-	1

Semester-V Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	ME 7101	Quality Assurance & Reliability	3	-	-	3
2	ME 7102	Optimization Techniques	3	1	-	4
3	ME 7103	Cutting Tool Design	3	-	-	3
4	ME 7104	Industrial Automation & Mechatronics	3	-	-	3
5	ME 7105	Work Study & Ergonomics	3	-	-	3
6	ME 7106*	Elective-I	3	1	-	4
7	ME 7153	Cutting Tool Design Lab	-	-	2	1
8	ME 7154	Industrial Automation & Mechatronics Lab	-	-	2	1
9	ME 7155	Work Study & Ergonomics Lab	-	-	2	1
10	ME 7170	Minor Project (To be continued as Major Project)	-	-	4	2
		Total	18	2	10	25
11	GP 7151	General Proficiency	-	-	-	1

Semester-VI Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	ME 7201	Metal Cutting & Forming	3	1	-	4
2	ME 7202	Non Conventional Machining	3	1	-	4
3	ME 7203	CAD/CAM-II	3	-	-	3
4	ME 7204	Machine Tool Design	3	-	-	3
5	ME 7207*	Elective-II	3	1	-	4
6	ME 7257*	Elective-II Lab	-	-	2	1
7	ME 7260	Seminar	-	-	2	1
8	ME 7270	Major Project(Extension of Minor Project)	-	-	8	4
		Total	15	3	12	24
9	GP 7251	General Proficiency	-	-	-	1

S N	Sub Code	ELECTIVE-I (any one of the following)	L	T	P	Credits
1	ME 7106A	Maintenance Engineering	3	1	-	4
2	ME 7106B	Concurrent Engineering	3	1	-	4
3	ME 7106C	Artificial Intelligence	3	1	-	4
4	ME 7106D	Composite Materials	3	1	-	4
5	ME 7106E	System Dynamics & Control	3	1	-	4
6	ME 7106F	Non Conventional Energy Resources	3	1	-	4
7	ME 7106G	Mechanical Vibrations	3	1	-	4

	Sub Code	ELECTIVE-II (any one of the following with corresponding Lab)	L	T	P	Credits
1	ME 7207A	Finite Elements Methods	3	1	-	4
2	ME 7207B	Refrigeration & Air Conditioning	3	1	-	4
3	ME 7207C	Robotics Engineering	3	1	-	4
4	ME 7207D	Management Information System	3	1	-	4
5	ME 7207E	Automobile Engineering	3	1	-	4

	Sub Code	ELECTIVE-II Lab	L	T	P	Credits
1	ME 7257A	Finite Elements Methods Lab	-	-	2	1
2	ME 7257B	Refrigeration & Air Conditioning Lab	-	-	2	1
3	ME 7257C	Robotics Engineering Lab	-	-	2	1
4	ME 7257D	Management Information System Lab	-	-	2	1
5	ME 7257E	Automobile Engineering Lab	-	-	2	1

B.E. MECHANICAL ENGG (WELDING TECH)

Semester-I Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AC 5101	Engineering Chemistry	3	1	-	4
2	AM5101	Engineering Mathematics-I	3	1	-	4
3	HU 5101	Communication Skills	3	-	-	3
4	ME 5101	Mechanics of Solid	3	1	-	4
5	ME 5102	Applied Thermodynamics	3	1	-	4
6	ME 5103	Metal Casting	3	-	-	3
7	AC 5151	Engineering Chemistry Lab	-	-	2	1
8	HU 5151	Communication Skills Lab	-	-	2	1
9	ME 5152	Applied Thermodynamics Lab	-	-	2	1
10	ME 5154	Machine Drawing	-	-	4	2
		Total	18	4	10	27
11	GP 5151	General Proficiency	-	-	-	1

Semester-II Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 5201	Engineering Mathematics-II	3	1	-	4
2	AP 5201	Engineering Physics	3	1	-	4
3	CS 5201	Object Oriented Programming	3	-	-	3
4	EE 5201	Basic Electrical & Electronics Engineering	3	1	-	4
5	ME 5201	Fluid Mechanics & Machinery	3	1	-	4
6	ME 5202	Metallurgy & Heat Treatment	3	-	-	3
7	AP 5251	Engineering Physics Lab	-	-	2	1
8	CS 5251	Object Oriented Programming Lab	-	-	2	1
9	EE 5251	Basic Electrical & Electronics Engineering Lab	-	-	2	1
10	ME 5251	Fluid Mechanics & Machinery Lab	-	-	2	1
11	ME 5252	Metallurgy & Heat Treatment Lab	-	-	2	1
		Total	18	4	10	27
12	GP 5251	General Proficiency	-	-	-	1
13	TP 5251	Industrial Training (8 weeks during Summer Vacation)	-	-	-	2

Semester-III Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 6101	Numerical Methods	3	-	-	3
2	ME 6101	Metrology & Mechanical Measurements	3	1	-	4
3	MS 6101	Materials Science & Engineering	3	-	-	3
4	ME 6102	Welding Processes -I	3	1	-	4
5	ME 6103	Theory of Machines -I	3	2	-	5
6	ME 6104	Design of Mechanical Elements	3	2	-	5
7	AM 6151	Numerical Methods Lab	-	-	2	1
8	ME 6151	Metrology & Mech. Measurements Lab	-	-	2	1
9	MS 6151	Materials Science & Engineering Lab	-	-	2	1
10	ME 6152	Welding Processes-I Lab	-	-	2	1
		Total	18	6	8	28
11	GP 6151	General Proficiency	-	-	-	1

Semester-IV Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	EV 6201	Environmental Science & Engineering	3	-	-	3
2	HU 6201	Entrepreneurship & Business Management	3	-	-	3
3	ME 6201	Heat Transfer	3	2	-	5
4	ME 6202	Theory of Machines -II	3	2	-	5
5	ME 6203	CAD/CAM-I	3	2	-	5
6	** P62**	Open Elective	3	-	-	3
7	ME 6251	Heat Transfer Lab	-	-	2	1
8	ME 6252	Theory of Machines -II Lab	-	-	2	1
9	ME 6253	CAD/CAM-I Lab	-	-	4	2
		Total	18	6	8	28
10	GP 6251	General Proficiency	-	-	-	1

Semester-V Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	ME 7101	Quality Assurance & Reliability	3	-	-	3
2	ME 7102	Optimization Techniques	3	1	-	4
3	ME 7105	Work Study & Ergonomics	3	-	-	3
4	ME 7106*	Elective-I	3	1	-	4
5	ME 7107	Welding processes-II	3	-	-	3
6	ME 7108	Inspection & Testing of Weldments	3	-	-	3
7	ME 7155	Work Study & Ergonomics Lab	-	-	2	1
8	ME 7157	Welding processes-II Lab	-	-	2	1
9	ME 7158	Inspection & Testing of Weldments Lab	-	-	2	1
10	ME 7170	Minor Project (To be continued as Major project)	-	-	4	2
		Total	18	2	10	25
11	GP 7151	General Proficiency	-	-	-	1

Semester-VI Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	ME 7201	Metal Cutting & Forming	3	1	-	4
2	ME 7203	CAD/CAM-II	3	1	-	4
3	ME 7205	Welding Metallurgy	3	-	-	3
4	ME 7206	Design of Weldments	3	-	-	3
5	ME 7207*	Elective-II	3	1	-	4
6	ME 7257*	Elective-II Lab	-	-	2	1
7	ME 7260	Seminar	-	-	2	1
8	ME 7270	Major Project(Extension of minor project)	-	-	8	4
		Total	15	3	12	24
9	GP 7251	General Proficiency	-	-	-	1

Sub Code		ELECTIVE-I (any one of the following)	L	T	P	Credits
1	ME 7106A	Maintenance Engineering	3	1	-	4
2	ME 7106B	Concurrent Engineering	3	1	-	4
3	ME 7106C	Artificial Intelligence	3	1	-	4
4	ME 7106D	Composite Materials	3	1	-	4
5	ME 7106E	System Dynamics & Control	3	1	-	4
6	ME 7106F	Non Conventional Energy Resources	3	1	-	4
7	ME 7106G	Mechanical Vibrations	3	1	-	4

Sub Code		ELECTIVE-II (any one of the following with corresponding Lab)	L	T	P	Credits
1	ME 7207A	Finite Elements Methods	3	1	-	4
2	ME 7207B	Refrigeration & Air Conditioning	3	1	-	4
3	ME 7207C	Robotics Engineering	3	1	-	4
4	ME 7207D	Management Information System	3	1	-	4
5	ME 7207E	Automobile Engineering	3	1	-	4

Sub Code		ELECTIVE-II Lab	L	T	P	Credits
1	ME 7257A	Finite Elements Methods Lab	-	-	2	1
2	ME 7257B	Refrigeration & Air Conditioning Lab	-	-	2	1
3	ME 7257C	Robotics Engineering Lab	-	-	2	1
4	ME 7257D	Management Information System Lab	-	-	2	1
5	ME 7257E	Automobile Engineering Lab	-	-	2	1

B.E. CHEMICAL ENGG

Semester-I Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AC 5101	Engineering Chemistry	3	1	-	4
2	AM 5101	Engineering Mathematics-I	3	1	-	4
3	CH 5101	Chemical Process Calculations	3	2	-	5
4	HU 5101	Communication Skills	3	-	-	3
5	CH 5102	Fluid Flow	3	1	-	4
6	CH 5103	Unit Operations	3	1	-	4
7	AC 5151	Engineering Chemistry Lab	-	-	2	1
8	HU 5151	Communication Skills Lab	-	-	2	1
9	ME 5155	Engineering Drawing	-	-	2	1
10	CH 5153	Unit Operations Lab	-	-	2	1
		Total	18	6	8	28
11	GP 5151	General Proficiency	-	-	-	1

Semester-II Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 5201	Engineering Mathematics-II	3	1	-	4
2	AP 5201	Engineering Physics	3	1	-	4
3	CH 5201	Heat Transfer	3	2	-	5
4	CS 5201	Object Oriented Programming	3	-	-	3
5	EE 5201	Basic Electrical & Electronics Engineering	3	1	-	4
6	CH 5202	Chemical Process Industries	3	1	-	4
7	AP 5251	Engineering Physics Lab.	-	-	2	1
8	CH 5251	Heat Transfer Lab	-	-	2	1
9	CS 5251	Object Oriented Programming Lab	-	-	2	1
10	EE 5251	Basic Electrical & Electronics Engineering Lab	-	-	2	1
		Total	18	6	8	28
11	GP 5251	General Proficiency	-	-	-	1
12	TP 5251	Industrial Training (8 weeks during Summer Vacation)	-	-	-	2

Semester-III Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 6101	Numerical Methods	3	-	-	3
2	EV 6101	Environmental Science & Engineering	3	-	-	3
3	MS 6101	Materials Science & Engineering	3	-	-	3
4	CH 6101	Mass Transfer	3	1	-	4
5	CH 6102	Chemical Engg. Thermodynamics	3	2	-	5
6	CH 6106	Chemical Technology-I	3	1	-	4
7	AM 6151	Numerical Methods Lab.	-	-	2	1
8	MS 6151	Materials Science & Engineering Lab	-	-	2	1
9	CH 6151	Mass Transfer Lab.	-	-	2	1
10	CH 6156	Chemical Technology Lab	-	-	2	1
11	CH 6155	Environmental Engg. Lab.	-	-	2	1
		Total	18	4	10	27
12	GP 6151	General Proficiency	-	-	-	1

Semester-IV Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	CH6201	Chemical Process Instrumentation	3	1	-	4
3	CH6202	Chemical Reaction Engineering-I	3	1	-	4
4	CH6203	Process Equipment Design	3	2	-	5
5	CH6208	Chemical Technology	3	-	-	3
2	CH6209	Mass Transfer-II	3	2	-	5
6	** P62**	Open Elective	3	-	-	3
7	CH6256	CRE & Thermodynamics Lab	-	-	2	1
8	CH6257	CAD for Chemical Engineers Lab.	-	-	2	1
9	CH6259	Mass Transfer Lab-II	-	-	4	2
		Total	18	6	8	28
10	GP 6251	General Proficiency	-	-	-	1

Semester-V Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	CH7101	Process Dynamics & Control	3	1	-	4
2	CH7102	Chemical Reaction Engineering-II	3	1	-	4
3	CH7103	Transport Phenomenon	3	2	-	5
4	CH7108	Energy Technology	3	2	-	5
5	CH7109	Bio Chemical Engineering	3	1	-	4
6	CH7151	Process Dynamics & Control Lab.	-	-	2	1
7	CH7158	Energy Technology Lab.	-	-	4	2
8	CH7159	Bio Chemical Engineering Lab.	-	-	2	1
		Total	15	7	8	26
9	GP 7151	General Proficiency	-	-	-	1

Semester-VI Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	CH7201	Plant Design & Economics	3	-	-	3
2	CH7202*	Elective-I	3	-	-	3
3	CH7203	Modeling & Simulation	3	-	-	3
4	CH7208	Industrial Pollution Control	3	1	-	4
5	HU 7201	Entrepreneurship & Business Mgt	3	-	-	3
6	CH7253	Modeling & Simulation Lab.	-	-	2	1
7	CH7257	Elective Lab.	-	-	2	1
8	CH7260	Seminar & Group Discussion	-	-	2	1
9	CH7270	Project	-	-	8	4
		Total	15	1	14	23
10	GP 7251	General Proficiency	-	-	-	1

Sub Code **ELECTIVE-I** (any one of the following)

	Sub Code	Subject Title	L	T	P	Credits
1	CH7202A	Energy Audit & Management	3	-	-	3
2	CH7202B	Rubber Technology	3	-	-	3
3	CH7202C	Petrochemical Technology	3	-	-	3
4	CH7202D	Separation Processes	3	-	-	3
5	CH7202E	Corrosion Engineering	3	-	-	3
6	CH7202F	Polymer Membranes	3	-	-	3

B.E. CHEMICAL ENGG (POLYMER TECH)

Semester-I Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AC 5101	Engineering Chemistry	3	1	-	4
2	AM 5101	Engineering Mathematics-I	3	1	-	4
3	CH 5101	Chemical Process Calculations	3	2	-	5
4	HU 5101	Communication Skills	3	-	-	3
5	CH 5102	Fluid Flow	3	1	-	4
6	CH 5103	Unit Operations	3	1	-	4
7	AC 5151	Engineering Chemistry Lab	-	-	2	1
8	HU 5151	Communication Skills Lab	-	-	2	1
9	ME 5155	Engineering Drawing	-	-	2	1
10	CH 5153	Unit Operations Lab	-	-	2	1
		Total	18	6	8	28
11	GP 5151	General Proficiency	-	-	-	1

Semester-II Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 5201	Engineering Mathematics-II	3	1	-	4
2	AP 5201	Engineering Physics	3	1	-	4
3	CH 5201	Heat Transfer	3	2	-	5
4	CS 5201	Object Oriented Programming	3	-	-	3
5	EE 5201	Basic Electrical & Electronics Engineering	3	1	-	4
6	CH 5202	Chemical Process Industries	3	1	-	4
7	AP 5251	Engineering Physics Lab.	-	-	2	1
8	CH 5251	Heat Transfer Lab	-	-	2	1
9	CS 5251	Object Oriented Programming Lab	-	-	2	1
10	EE 5251	Basic Electrical & Electronics Engineering Lab	-	-	2	1
		Total	18	6	8	28
11	GP 5251	General Proficiency	-	-	-	1
12	TP 5251	Industrial Training (8 weeks during Summer Vacation)	-	-	-	2

Semester-III Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	AM 6101	Numerical Methods	3	-	-	3
2	EV 6101	Environmental Science & Engineering	3	-	-	3
3	MS 6101	Materials Science & Engineering	3	-	-	3
4	CH 6101	Mass Transfer	3	1	-	4
5	CH 6102	Chemical Engg. Thermodynamics	3	2	-	5
6	CH 6103	Introduction to Polymer Science & Technology	3	1	-	4
7	AM 6151	Numerical Methods Lab.	-	-	2	1
8	MS 6151	Materials Science & Engineering Lab	-	-	2	1
9	CH 6151	Mass Transfer Lab.	-	-	2	1
10	CH 6153	Polymer Science & Technology Lab	-	-	2	1
11	CH 6155	Environmental Engg. Lab.	-	-	2	1
		Total	18	4	10	27
12	GP 6151	General Proficiency	-	-	-	1

Semester-IV Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	CH 6201	Chemical Process Instrumentation	3	1	-	4
2	HU 6201	Entrepreneurship & Business Management	3	-	-	3
3	CH 6202	Chemical Reaction Engineering-I	3	1	-	4
4	CH 6203	Process Equipment Design	3	2	-	5
5	CH 6204	Polymer Materials Technology	3	2	-	5
6	** P62**	Open Elective	3	-	-	3
7	CH 6254	Polymer Materials Technology Lab.	-	-	4	2
8	CH 6256	CRE & Thermodynamics Lab	-	-	2	1
9	CH 6257	CAD for Chemical Engineers Lab.	-	-	2	1
		Total	18	6	8	28
10	GP 6251	General Proficiency	-	-	-	1

Semester-V Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	CH 7101	Process Dynamics & Control	3	1	-	4
2	CH 7102	Chemical Reaction Engineering-II	3	1	-	4
3	CH 7103	Transport Phenomenon	3	2	-	5
4	CH 7104	Polymer Testing & Characterization	3	1	-	4
5	CH 7105	Polymer Rheology & Processing	3	2	-	5
6	CH 7151	Process Dynamics & Control Lab.	-	-	2	1
7	CH 7154	Polymer Testing & Characterization Lab	-	-	2	1
8	CH 7155	Polymer Rheology & Processing Lab.	-	-	4	2
		Total	15	7	8	26
9	GP 7151	General Proficiency	-	-	-	1

Semester-VI Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	CH 7201	Plant Design & Economics	3	-	-	3
2	CH 7202*	Elective-I	3	-	-	3
3	CH 7203	Modeling & Simulation	3	-	-	3
4	CH 7204	Polymer Reactor Design	3	1	-	4
5	CH 7205	Polymer Product Design	3	-	-	3
6	CH 7253	Modeling & Simulation Lab.	-	-	2	1
7	CH 7255	Polymer Product Design Lab.	-	-	2	1
8	CH 7260	Seminar & Group Discussion	-	-	2	1
9	CH 7270	Project	-	-	8	4
		Total	15	1	14	23
10	GP 7251	General Proficiency	-	-	-	1

Sub Code ELECTIVE-I (any one of the following)

	Sub Code	Subject Title	L	T	P	Credits
1	CH 7202A	Energy Audit & Management	3	-	-	3
2	CH 7202B	Rubber Technology	3	-	-	3
3	CH 7202C	Petrochemical Technology	3	-	-	3
4	CH 7202D	Separation Processes	3	-	-	3
5	CH 7202E	Corrosion Engineering	3	-	-	3
6	CH 7202F	Polymer Membranes	3	-	-	3

List of OPEN-ELECTIVE Subjects

S N	Sub Code	Subject Title	L	T	P	Credits
1	EC P6201	Introduction to Digital Signal Processing	3	-	-	3
2	EC P6202	Principles of Digital Communications				
3	EC P6203	Analog and Digital Electronics				
4	EC P6204	Microprocessors Principles				
5	FTP6201	Separation Technology				
6	FTP6202	Bioinstrumentation				
7	IE P6201	Fundamentals of Measurements & Instrumentation				
8	IE P6202	Sensors & Signal Processing				
9	IE P6203	Elements of Power System				
10	IE P6204	Bio-sensors & MEMS				
11	ME P6201	Industrial Engg				
12	ME P6202	Production Planning & Control				
13	ME P6203	Plant Layout & Material Handling				
14	ME P6204	Non-destructive Resting & Failure Analysis				
15	CSP6201	Interactive Computer Graphics				
16	CSP6202	Computer Network				
17	CSP6203	Simulation & Modeling				
18	CSP6204	Software Engineering				
19	APP6201	Laser and its Applications				
20	APP6202	Semiconductor Physics and Devices				
21	APP6203	Plasma and its Applications				
22	AMP6201	Advanced Mathematics				
23	AMP6202	Statistical & Optimization Techniques				
24	AMP6203	Fourier and Wavelet Methods				
25	AMP6204	Industrial Mathematics				
26	CHP6201	Environmental Impact & Assessment				
27	CHP6202	Non-conventional Energy Systems				