

B.E. Computer Science & Engineering

For 2K7 and onward batches only; July 11, 2008

Semester-I Aug to Dec (including examiantions)

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	EE 5101	Basic Electrical & Electronics Engineering	3	1	-	4
4	CS 5102	Programming Methodology	3	1	-	4
5	CS 5103	Discrete Mathematical Structure	3	1	-	4
6	CS 5104	Digital Logic Design	3	1	-	4
7	AP 5151	Engineering Physics Lab	-	-	2	1
8	EE 5151	Basic Electrical & Electronics Engineering Lab	-	-	2	1
9	CS 5152	Programming Methodology Lab	-	-	4	2
		Total	18	6	8	28
10	GP 5101	General Proficiency	-	-	-	1

Semester-II Jan to May (including examiantions)

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	CS 5202	Data Structures & Algorithms	3	2	-	5
5	CS 5203	Data Communication	3	1	-	4
6	CS 5204	Computer Architecture & Organization	3	1	-	4
7	AC 5251	Engineering Chemistry Lab	-	-	2	1
8	HU 5251	Communication Skills Lab	-	-	2	1
9	CS 5252	Data Structures & Algorithms Lab	-	-	2	1
10	CS 5260	Seminar & Group Discussion	-	-	2	1
		Total	18	6	8	28
11	GP 5201	General Proficiency	-	-	-	1
12	TP 5201	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	CS 6101	RDBMS	3	1	-	4
2	EV 6101	Environmental Science & Engineering	3	-	-	3
3	HU 6101	Entrepreneurship & Business Management	3	-	-	3
4	CS 6102	Microprocessor & applications	3	1	-	4
5	CS 6103	Operating Systems	3	1	-	4
6	CS 6104	Computer Networks	3	1	-	4
7	CS 6151	RDBMS Lab	-	-	4	2
8	CS 6152	Microprocessor & applications Lab	-	-	2	1
9	CS 6153	Operating Systems Lab	-	-	4	2
		Total	18	4	10	27
10	GP 6101	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	CS 6201	Software Engineering	3	1	-	4
3	MS 6201	Material Science & Engineering	3	-	-	3
4	CS 6202	System Software	3	1	-	4
5	CS 6203	Algorithm Analysis & Design	3	2	-	5
6	OP **62*	Open Elective	3	-	-	3
7	AM 6251	Numerical Methods Lab	-	-	2	1
8	CS 6251	Software Engineering Lab	-	-	4	2
9	MS 6251	Material Science & Engineering Lab	-	-	2	1
10	CS 6252	System Software Lab	-	-	2	1
		Total	18	4	10	27
12	GP 6201	General Proficiency	-	-	-	1

B.E. Computer Science & Engineering

For 2K7 and onward batches only; July 11, 2008

Semester-V Aug to Dec (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	CS 7101	Computer Graphics	3	1	-	4
2	CS 7102	Artificial Intelligence	3	1	-	4
3	CS 7103	Theory of Computation	3	1	-	4
4	CS 7104*	Elective- I	3	1	-	4
5	CS 7105*	Elective- II	3	1	-	4
6	CS 7151	Computer Graphics Lab	-	-	2	1
7	CS 7152	Artificial Intelligence Lab	-	-	2	1
8	CS 7170	Minor Project	-	-	6	3
		Total	15	5	10	25
9	GP 7101	General Proficiency	-	-	-	1

Semester-VI Jan to May (including examinations)

S N	Sub Code	Subject Title	L	T	P	Credits
1	CS 7201	Advance Computer Architecture	3	1	-	4
2	CS 7202	Compiler Design	3	1	-	4
3	CS 7203*	Elective-III	3	1	-	4
4	CS 7204*	Elective-IV	3	1	-	4
5	CS 7255	Emerging Technologies Lab	-	-	4	2
6	CS 7260	Seminar	-	-	2	1
7	CS 7270	Major Project	-	-	8	4
		Total	12	4	14	23
8	GP 7201	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	Natural Language Processing	3	1	-	4
4	CS 7104D	Embedded Systems	3	1	-	4
5	CS 7104E	Digital Signal 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	CS 7105B	Real Time Systems	3	1	-	4
3	CS 7105C	Fault Tolerant Computing	3	1	-	4
4	IT 7105A	Distributed Computing	3	1	-	4
5	IT 7105B	Client Server Architecture	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	Software Reliability & Testing	3	1	-	4
3	CS 7203C	Network Programming	3	1	-	4
4	IT 7203A	Data Mining & Warehousing	3	1	-	4
5	IT 7203B	Visual Programming	3	1	-	4
ELECTIVE-IV (any one of the following)			L	T	P	Credits
1	CS 7204A	Simulation & Modeling	3	1	-	4
2	CS 7204B	Soft Computing	3	1	-	4
3	CS 7204C	Operation Research	3	1	-	4
4	CS 7204D	Distributed Operating Systems	3	1	-	4
5	CS 7204E	Mobile and Cellular Technologies	3	1	-	4

Semester-I Aug to Dec (including examiantions)

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 5101	General Proficiency	-	-	-	1

Semester-II Jan to May (including examiantions)

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 5201	General Proficiency	-	-	-	1
12	TP 5201	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 6101	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	Material Science & Engineering	3	-	-	3
4	EC 6202	Microwave engineering	3	1	-	4
5	EC 6203	Antenna & wave Propagation	3	2	-	5
6	OP **62*	Open Elective	3	-	-	3
7	AM 6251	Numerical Methods Lab	-	-	2	1
8	EC 6251	Industrial Electronics & Applications Lab	-	-	2	1
9	MS 6251	Material Science & Engineering Lab	-	-	2	1
10	EC 6254	Advance Commnuications Lab-I	-	-	4	2
		Total	18	4	10	27
11	GP 6201	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 Commnuications Lab-II	-	-	4	2
		Total	18	6	6	27
9	GP 7101	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 7201	General Proficiency	-	-	-	1

S N	Sub Code	ELECTIVE-I (any one of the following)	L	T	P	Credits
1	CS 7104A	Operating Systems	3	1	-	4
2	CS 7104B	Algorithms & Simulation Techniques	3	1	-	4
3	CS 7104C	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
7	EC 7105G	Neural Networks, Fuzzy Logics and Genetic Algorithms	3	1	-	4

	Sub Code	ELECTIVE-III (any one of the following)	L	T	P	Credits
1	EC 7203A	HDTV Engg	3	1	-	4
2	EC 7203B	Industrial Automation	3	1	-	4
3	EC 7203C	Medical Electronics	3	1	-	4
4	EC 7203D	Microwave Communication	3	1	-	4
5	EC 7203E	Satellite Communication	3	1	-	4
6	EC 7203F	Wireless Networks	3	1	-	4
7	EC 7203G	Electronics Systems Design	3	1	-	4

	Sub Code	ELECTIVE-IV (any one of the following)	L	T	P	Credits
1	EC 7204A	Optical Networks	3	1	-	4
2	EC 7204B	Computational Methods for Electronic & Communication Engg	3	1	-	4
3	EC 7204C	Digital Image Processing	3	1	-	4
4	EC 7204D	MEMS	3	1	-	4
5	EC 7204E	Nanotechnology	3	1	-	4
6	EC 7204F	VLSI Design	3	1	-	4
7	EC 7204G	ATM Networks and B-ISDN	3	1	-	4

B.E. FOOD TECHNOLOGY

For 2K7 and onward batches only; July 11, 2008

Semester-I Aug to Dec (including examianations)

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	-	-	2	1
		Total	18	6	8	28
11	GP 5101	General Proficiency	-	-	-	1

Semester-II Jan to May (including examianations)

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 5201	General Proficiency	-	-	-	1
13	TP 5201	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	FT 6104	Heat, Mass and Momentum Transfer	3	1	-	4
3	FT 6101	Computer Applications in Food Engineering	3	1	-	4
4	MS 6101	Material Science & Engineering	3	-	-	3
5	FT 6102	Bio-Technology	3	1	-	4
6	FT 6103	Food Biochemistry & Nutrition	3	1	-	4
7	AM 6151	Numerical Methods Lab.	-	-	2	1
8	FT 6154	Heat, Mass and Momentum Transfer Lab	-	-	2	1
9	FT 6151	Computer Applications in Food Engineering Lab	-	-	2	1
10	MS 6151	Material Science & Engineering Lab	-	-	2	1
11	FT 6152	Bio-Technology Lab	-	-	2	1
		Total	18	4	10	27
12	GP 6101	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	OP **62*	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 6201	General Proficiency	-	-	-	1

B.E. FOOD TECHNOLOGY

For 2K7 and onward batches only; July 11, 2008

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 7101	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 7201	General Proficiency	-	-	-	1

B.E. INSTRUMENTATION AND CONTROL ENGINEERING

For 2K7 and onward batches only; July 11, 2008

Semester-I Aug to Dec (including examiantions)

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 5101	General Proficiency	-	-	-	1

Semester-II Jan to May (including examiantions)

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 5201	General Proficiency	-	-	-	1
12	TP 5201	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 6101	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	Material 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	OP **62*	Open Elective	3	-	-	3
7	AM 6251	Numerical Methods Lab	-	-	2	1
8	IE 6251	Sensors & Signal Processing Lab	-	-	2	1
9	MS 6251	Material Science & Engineering Lab	-	-	2	1
10	IE 6252	Process Dynamics & Control Lab	-	-	2	1
		Total	18	5	8	27
11	GP 6201	General Proficiency	-	-	-	1

B.E. INSTRUMENTATION AND CONTROL ENGINEERING

For 2K7 and onward batches only; July 11, 2008

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 7101	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 7201	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

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Semester-I Aug to Dec (including examiantions)

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 5101	General Proficiency	-	-	-	1

Semester-II Jan to May (including examiantions)

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 5201	General Proficiency	-	-	-	1
13	TP 5201	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 6101	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	Material Science & Engineering	3	-	-	3
4	IT 6202	Computer Networks & Security	3	2	-	5
5	IT 6203	Multimedia Technology	3	2	-	5
6	OP **62*	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	Material Science & Engineering Lab	-	-	2	1
10	IT 6252	Computer Networks & Security lab	-	-	2	1
		Total	18	6	8	28
11	GP 6201	General Proficiency	-	-	-	1

B.E. INFORMATION TECHNOLOGY

For 2K7 and onward batches only; July 11, 2008

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 7101	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 7201	General Proficiency	-	-	-	1

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

	Sub Code	Subject Title	L	T	P	Credits
1	CS 7104A	Advance Database Management Systems	3	1	-	4
2	CS 7104B	Cryptography	3	1	-	4
3	CS 7104C	Natural Language Processing	3	1	-	4
4	CS 7104D	Embedded Systems	3	1	-	4
5	IT 7104A	Object Oriented Modeling and Design	3	1	-	4

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

	Sub Code	Subject Title	L	T	P	Credits
1	CS 7105A	Operating System Internals	3	1	-	4
2	CS 7105B	Real Time Systems	3	1	-	4
3	CS 7105C	Fault Tolerant Computing	3	1	-	4
4	IT 7105A	Distributed Computing	3	1	-	4
5	IT 7105B	Client Server Architecture	3	1	-	4

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

	Sub Code	Subject Title	L	T	P	Credits
1	CS 7203A	Digital Image Processing	3	1	-	4
2	CS 7203B	Software Reliability & Testing	3	1	-	4
3	CS 7203C	Network Programming	3	1	-	4
4	IT 7203A	Data Mining & Warehousing	3	1	-	4
5	IT 7203B	Visual Programming	3	1	-	4

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

	Sub Code	Subject Title	L	T	P	Credits
1	CS 7204A	Simulation & Modeling	3	1	-	4
2	CS 7204B	Soft Computing	3	1	-	4
3	IT 7204A	Internet Working with TCP/IP	3	1	-	4
4	IT 7204B	Multimedia Technologies	3	1	-	4

B.E. MECHANICAL ENGG (MANUFACTURING ENGG)

For 2K7 and onward batches only; July 11, 2008

Semester-I Aug to Dec (including examiantions)

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 5101	General Proficiency	-	-	-	1

Semester-II Jan to May (including examiantions)

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 5201	General Proficiency	-	-	-	1
13	TP 5201	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	Material 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	Material Science & Engineering Lab	-	-	2	1
10	ME 6152	Welding Processes-I Lab	-	-	2	1
		Total	18	6	8	28
11	GP 6101	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	OP **62*	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 6201	General Proficiency	-	-	-	1

B.E. MECHANICAL ENGG (MANUFACTURING ENGG)

For 2K7 and onward batches only; July 11, 2008

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 7101	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 7201	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	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)

For 2K7 and onward batches only; July 11, 2008

Semester-I Aug to Dec (including examiantions)

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 5101	General Proficiency	-	-	-	1

Semester-II Jan to May (including examiantions)

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 5201	General Proficiency	-	-	-	1
13	TP 5201	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	Material 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	Material Science & Engineering Lab	-	-	2	1
10	ME 6152	Welding Processes-I Lab	-	-	2	1
		Total	18	6	8	28
11	GP 6101	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	OP **62*	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 6201	General Proficiency	-	-	-	1

B.E. MECHANICAL ENGG (WELDING TECH)

For 2K7 and onward batches only; July 11, 2008

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 7101	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 7201	General Proficiency	-	-	-	1

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

	Sub Code	Subject Title	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

	Sub Code	Subject Title	L	T	P	Credits
1	ME 7207A	Finite Elements Methods	3	1	-	5
2	ME 7207B	Refrigeration & Air Conditioning	3	1	-	5
3	ME 7207C	Robotics Engineering	3	1	-	5
4	ME 7207D	Management Information System	3	1	-	5
5	ME 7207E	Automobile Engineering	3	1	-	5

Sub Code **ELECTIVE-II Lab**

	Sub Code	Subject Title	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 (PAPER TECH)

For 2K7 and onward batches only; July 11, 2008

Semester-I Aug to Dec (including examiantions)

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 5101	General Proficiency	-	-	-	1

Semester-II Jan to May (including examiantions)

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 5201	General Proficiency	-	-	-	1
12	TP 5201	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	Material Science & Engineering	3	-	-	3
4	CH 6101	Mass Transfer	3	1	-	4
5	CH 6104	Chemical Engg. Thermodynamics	3	2	-	5
6	CH 6102	Introduction to Paper Technology	3	1	-	4
7	AM 6151	Numerical Methods Lab.	-	-	2	1
8	MS 6151	Material Science & Engineering Lab	-	-	2	1
9	CH 6151	Mass Transfer Lab.	-	-	2	1
10	CH 6152	Introduction to Paper Technology Lab	-	-	2	1
11	CH 6155	Environmental Engg. Lab.	-	-	2	1
		Total	18	4	10	27
12	GP 6101	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
3	CH 6202	Chemical Reaction Engineering-I	3	1	-	4
4	CH 6203	Process Equipment Design	3	2	-	5
5	CH 6205	Pulping Processes	3	2	-	5
2	HU 6201	Entrepreneurship & Business Management	3	-	-	3
6	OP **62*	Open Elective	3	-	-	3
7	CH 6255	Pulping Processes 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 6201	General Proficiency	-	-	-	1

B.E. CHEMICAL ENGG (PAPER TECH)

For 2K7 and onward batches only; July 11, 2008

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 7106	Washing, Bleaching & Stock Preparation	3	1	-	4
5	CH 7107	Chemical Recovery Process	3	2	-	5
6	CH 7151	Process Dynamics & Control Lab.	-	-	2	1
7	CH 7156	Washing, Bleaching & Stock Preparation Lab.	-	-	2	1
8	CH 7157	Chemical Recovery Process Lab.	-	-	4	2
		Total	15	7	8	26
9	GP 7101	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 7206	Paper Machine Operations	3	1	-	4
5	CH 7207	Paper Properties & Testing	3	-	-	3
6	CH 7253	Modeling & Simulation Lab.	-	-	2	1
7	CH 7257	Paper Properties & Testing Lab.	-	-	2	1
8	CH 7260	Seminar & Group Discussion	-	-	2	1
9	CH 7270	Project	-	-	8	4
		Total	15	1	14	23
10	GP 7201	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 & Audit	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

B.E. CHEMICAL ENGG

For 2K7 and onward batches only; July 11, 2008

Semester-V 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 5101	General Proficiency	-	-	-	1

Semester-II Jan to May (including examiantions)

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 5203	Basics in Chemical Engineering	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 5201	General Proficiency	-	-	-	1
12	TP 5201	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	Material Science & Engineering	3	-	-	3
4	CH 6107	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	Material Science & Engineering Lab	-	-	2	1
9	CH 6157	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 6101	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	CH 6202	Chemical Reaction Engineering-I	3	1	-	4
3	CH 6203	Process Equipment Design	3	2	-	5
4	CH 6208	Chemical Technology-II	3	0	-	3
5	CH 6209	Mass Transfer-II	3	2	-	5
6	OP **62*	Open Elective	3	-	-	3
7	CH 6256	CRE & Thermodynamics Lab	-	-	2	1
8	CH 6257	CAD for Chemical Engineers Lab.	-	-	2	1
9	CH 6259	Mass Transfer lab-II	-	-	4	2
		Total	18	6	8	28
10	GP 6201	General Proficiency	-	-	-	1

B.E. CHEMICAL ENGG

For 2K7 and onward batches only; July 11, 2008

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 7108	Energy Technology	3	2	-	5
5	CH 7109	Bio chemical Engineering	3	1	-	4
6	CH 7151	Process Dynamics & Control Lab.	-	-	2	1
7	CH 7158	Energy Technology lab	-	-	4	2
8	CH 7159	Bio chemical Engineering Lab	-	-	2	1
		Total	15	7	8	26
9	GP 7101	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 7208	Industrial Pollution Control	3	1	-	4
5	HU 7201	Enterpreneurship & Business Mgt.	3	-	-	3
6	CH 7253	Modeling & Simulation Lab.	-	-	2	1
7	CH 7257	Elective Lab	-	-	2	1
8	CH 7260	Seminar & Group Discussion	-	-	2	1
9	CH 7270	Project	-	-	8	4
		Total	15	1	14	23
10	GP 7201	General Proficiency	-	-	-	1

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

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

B.E. CHEMICAL ENGG (POLYMER TECH)

For 2K7 and onward batches only; July 11, 2008

Semester-I Aug to Dec (including examiantions)

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 5101	General Proficiency	-	-	-	1

Semester-II Jan to May (including examiantions)

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 5201	General Proficiency	-	-	-	1
12	TP 5201	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	Material Science & Engineering	3	-	-	3
4	CH 6101	Mass Transfer	3	1	-	4
5	CH 6104	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	Material 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 6101	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 Material Technology	3	2	-	5
6	OP **62*	Open Elective	3	-	-	3
7	CH 6254	Polymer Material 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 6201	General Proficiency	-	-	-	1

B.E. CHEMICAL ENGG (POLYMER TECH)

For 2K7 and onward batches only; July 11, 2008

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 Tech	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 Tech Lab	-	-	2	1
8	CH 7155	Polymer Rheology & Processing Lab.	-	-	4	2
		Total	15	7	8	26
9	GP 7101	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 7201	General Proficiency	-	-	-	1

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

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List of OPEN-ELECTIVE Subjects

For 2K7 and onward batches only; July 11, 2008

S N	Sub Code	Subject Title	L	T	P	Credits
1	EC P6201	Introduction to Digital Signal Processing				
2	EC P6202	Principles of Digital Communications				
3	EC P6203	Analog and Digital Electronics				
4	EC P6204	Microprocessors Principles				
5	FT P6201	Separation Technology				
6	FT P6202	Bioinstrumenation				
7	EI P6201	Fundamentals of Measurements & Instrumentation				
8	EI P6202	Sensors & Signal Processing				
9	EI P6203	Elements of Power System				
10	EI 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	3	-	-	3
15	CS P6201	Interactive Computer Graphics				
16	CS P6202	Computer Network				
17	CS P6203	Simulation & Modeling				
18	CS P6204	Software Engineering				
19	AP P6201	Laser and its Applications				
20	AP P6202	Semiconductor Physics and Devices				
21	AP P6203	Plasma and its Applications				
22	AM P6201	Advanced Mathematics				
23	AM P6202	Statistical & Optimization Techniques				
24	AM P6203	Fourier and Wavelet Methods				
25	AM P6204	Industrial Mathematics				
26	CH P6201	Environmental Impact & Assessment				
27	CH P6202	Non-conventional Energy Systems				