

2014-15
I YEAR I SEMESTER COURSE STRUCTURE

Sl.No	Code	Subject	L	T	P/D	C	Max Marks	
							Int	Ext
1.	4H101	English-I	2	1	-	2	30	70
2.	4H111	Engineering Mathematics – I	3	2	-	3	30	70
3.	4H121	Engineering Physics – I	3	1	-	3	30	70
4.	4H131	Engineering Chemistry-I	3	1	-	3	30	70
5.	4F101	Computer Programming	4	1	-	4	30	70
6.	4B101	Engineering Drawing – I	2	-	4	4	30	70
7.	4H171	English Language Lab – I	-	-	2	1	25	50
8.	4H181	Engineering Physics Lab – I	-	-	3/2	1	25	50
9.	4H186	Engineering Chemistry Lab	-	-	4/2	2	25	50
10.	4F171	Computer Programming Lab	-	-	3	2	25	50
11.	4B171	Engineering Workshop – I	-	-	3/2	1	25	50
12.	4F172	IT Workshop-I	-	-	3/2	1	25	50
13	4F189	Technical Paper Writing and Seminar-I	1	1	2	1	25	1
Total :			17	6	17.5	28	355	720

I YEAR II SEMESTER COURSE STRUCTURE

Sl.No	Code	Subject	L	T	P/D	C	Max Marks	
							Int	Ext
1.	4H202	English-II	2	1	-	2	30	70
2.	4H213	Engineering Mathematics – II	4	1	-	4	30	70
3.	4H222	Engineering Physics – II	3	1	-	3	30	70
4.	4E201	Data Structures and C++	4	1	-	4	30	70
5.	4B202	Engineering Drawing – II	2	-	3	3	30	70
6.	4H232	Engineering Chemistry-II	3	1	-	3	30	70
7.	4BC04	Basic Mechanical Engineering	3	2	-	3	30	70
8.	4H272	English Language Lab – II	-	-	2	1	25	50
9.	4E271	Data structures and C++ Lab	-	-	3	2	25	50
10.	4H282	Engineering Physics Lab-II	-	-	3/2	1	25	50
11.	4F273	IT Workshop-II	-	-	3/2	1	25	50
12	4F190	Technical Paper Writing and Seminar-II	1	1	2	1	25	1
Total :			21	7	13	28	335	690

II YEAR I SEMESTER COURSE STRUCTURE

Sl.No	Code	Subject	L	T	P/D	C	Max Marks	
							Int	Ext
1.	4H315	Engineering Mathematics –III	3	2	-	3	30	70
2.	4CC02	Switching Theory and Logic Design	4	1	-	4	30	70
3.	4CC01	Electronics Devices and Circuits	4	1	-	4	30	70
4.	4EC03	Object Oriented Programming through Java	4	1	-	4	30	70
5.	4F302	Mathematical Foundations of Computer Science	3	1	-	3	30	70
6.	4AC41	Basic Electrical Engineering	3	1	-	3	30	70
7.	4HC73	Functional and Communicative Written English	-	-	3	2	25	50
8.	4AC91	Basic Electrical Engineering Lab	-	-	3/2	1	25	50
9.	4CC80	Basic Electronics Lab	-	-	3/2	1	25	50
10.	4EC74	Object Oriented Programming through Java Lab	-	-	4	2	25	50
11	4F391	Technical Paper Writing and Seminar-III	-	-	2	1	25	-
Total :			21	7	12	28	305	620

II YEAR II SEMESTER COURSE STRUCTURE

Sl.No	Code	Subject	L	T	P/D	C	Max Marks	
							Int	Ext
1.	4DC03	Computer Organization	3	1	-	3	30	70
2.	4HC16	Probability and Statistics	3	1	-	3	30	70
3.	4FC03	Data Base Management Systems	4	1	-	4	30	70
4.	4C432	Data Communications	3	1	-	3	30	70
5.	4FC04	Design and Analysis of Algorithms	3	1	-	3	30	70
6.	4FC07	Shell Programming & Scripting Languages	4	1	-	4	30	70
7.	4HC74	Effective English Communication and Soft Skills	-	-	3	2	25	50
8.	4F475	Comprehensive viva-voce-I	-	-	-	1	-	50
9.	4FC74	Data Base Management Systems Lab	-	-	3	2	25	50
10.	4F479	Shell Programming & Scripting Languages Lab	-	-	3	2	25	50
11.	4F492	Technical Paper Writing and Seminar- IV	-	-	2	1	25	-
Total :			20	6	13	28	280	620

III YEAR I SEMESTER COURSE STRUCTURE

Sl.No	Code	Subject	L	T	P/D	C	Max Marks	
							Int	Ext
1.	4EC07	Operating Systems	4	1	-	4	30	70
2.		Open Elective - I	3	-	-	3	30	70
3.	4E628	Computer Networks	3	1	-	3	30	70
4.	4FC05	Data Warehousing and Data Mining	4	1	-	4	30	70
5.	4FC17	Theory of Computation	3	1	-	3	30	70
6.	4GC06	Environmental Studies	3	1	-	3	30	70
7.	4HC76	Quantitative Aptitude	-	-	3	2	25	50
8.	4F576	Group Project	-	-	3	1	25	50
9.	4EC87	Operating systems and Computer Networks Lab	-	-	4	2	25	50
10.	4FC77	Data Warehousing and Data Mining Lab (DWDM Lab)	-	-	4	2	25	50
11	4F593	Technical Paper Writing and Seminar-V	-	-	2	1	25	-
Total :			20	5	16	28	280	620

Sl.No	Code	Open Elective - I
1.	4BC15	Product and Service Design
2.	4DC52	Fundamentals of Embedded Systems
3.	4BC25	Introduction to NanoTechnology
4.	4HC51	Basic Spanish Language
5.	4HC41	Basic French Language
6.	4HC46	Basic German Language
7.	4ZC04	Entrepreneurship
8.	4EC26	SAP-I

III YEAR II SEMESTER COURSE STRUCTURE

Sl.No	Code	Subject	L	T	P/D	C	Max Marks	
							Int	Ext
1.	4ZC01	Managerial Economics and Financial Analysis	3	1	-	3	30	70
2.		Open Elective - II	3	-	-	3	30	70
3.	4D609	Microprocessor and Interfacing	3	1	-	3	30	70
4.	4EC08	Compiler Design	3	1	-	3	30	70
5.	4FC12	Software Engineering and OOAD	4	1	-	4	30	70
6.		Professional Elective – I	4	1	-	4	30	70
7.	4HC77	Logical Reasoning	-	-	3	2	25	50
8.	4F678	Comprehensive Viva-Voce - II	-	-	-	1	-	50
9.	4E688	Compiler Design and Object Oriented Analysis and Design Lab	-	-	4	2	25	50
10.	4DC74	Microprocessor and Interfacing Lab	-	-	4	2	25	50
11.	4F694	Technical Paper Writing and Seminar-VI	-	-	2	1	25	-
Total :			18	6	13	28	255	620

Sl.No	Code	Open Elective - II
1.	4ZC03	Banking Operations, Insurance and Risk Management
2.	4BC16	Operations Research for Allied Branches
3.	4ZC05	General Management and Entrepreneurship
4.	4GC35	Fundamentals of Bioinformatics
5.	4ZC07	Fundamentals of Disaster Management
6.	4EC27	SAP-II

Sl.No	Code	Professional Elective – I
1.	4EC18	Advanced Computer Architecture
2.	4FC08	Middle Ware Technologies
4.	4EC14	Information Retrieval System
5.	4FC16	Advanced Java Technologies
6.	4EC15	Cloud Computing

IV YEAR I SEMESTER COURSE STRUCTURE

Sl.No	Code	Subject	L	T	P/D	C	Max Marks	
							Int	Ext
1.	4ZC02	Management Science	4	1	-	4	30	70
2.	4FC06	Computer Graphics	4	1	-	4	30	70
3.	4GC33	Culture, Values, Professional Ethics and IPR	2	1	-	2	30	70
4.	4E709	Software Testing	4	1	-	4	30	70
5.	4FC09	Web Technologies	4	1	-	4	30	70
6.		Professional Elective - II	4	1	-	4	30	70
7.	4FC11	Information Security	3	1	-	3	30	70
8.	4F780	Project Phase-I	-	-	2	1	50	-
9.	4F781	Industry Oriented Mini Project	-	-	-	2	25	50
10.	4F786	Software Testing and IS Lab	-	-	4	2	25	50
11.	4FC82	Web Technologies Lab	-	-	4	2	25	50
12.	4F795	Technical Paper Writing and Seminar-VII	-	-	2	1	25	-
Total:			24	7	12	33	335	640

Sl.No	Code	Professional Elective - II
1.	4EC12	Software Project Management
2.	4F713	Electronic-Commerce
3.	4F714	Database Security
4.	4CC28	Wireless Communication and Networks
5.	4FC22	Big Data Analytics
6.	4ZC19	Project Management and Structured Finance

IV YEAR II SEMESTER COURSE STRUCTURE

Sl.No	Code	Subject	L	T	P/D	C	Max Marks	
							Int	Ext
1.	4FC15	Multimedia and Image Processing	4	-	-	4	30	70
2.		Professional Elective – III	4	-	-	4	30	70
3.	4F883	Project Phase-II	-	-	15	12	50	150
4.	4F884	Comprehensive Viva-Voce - III	-	-	-	2	-	50
5.	4F896	Technical Paper Writing and Seminar-VIII	-	-	2	1	25	-
Total :			8	-	17	23	135	340

Sl.No	Code	Professional Elective – III
1.	4EC16	Mobile Computing
2.	4FC18	Computer Forensic
3.	4EC11	Artificial Intelligence
4.	4EC13	Software Architecture and Design Pattern
5.	4FC19	Semantic Web and Social Networks
6.	4DC55	Internet of Things (IOT)

NOTE:

All the end examinations (Theory and Practical) are of three hours duration.

L-Theory

T-Tutorial

P-Practical/Drawing

C-Credits