

SMT. S.R.PATEL ENGINEERING COLLEGE, UNJHA
COMPUTER ENGINEERING DEPARTMENT
TEACHING SCHEME COMPUTER ENGINEERING

B.E. Computer I & II Semester

GTU Code	Subject	Lecture	Tutorial	P	Total	Credit
		(L)	(T)		Hour	
3110002	English	2	0	2	3	3
3110003	Programming for Problem Solving	3	0	2	4	4
3110005	Basic Electrical Engineering	3	0	2	4	4
3110006	Basic Mechanical Engineering	3	0	2	5	5
3110007	Environmental Sciences	2	2	0	0	0
3110012	Workshop/ Manufacturing Practices	0	0	4	2	2
3110013	Engineering Graphics & Design	2	0	4	4	4
3110014	Mathematics – I	3	0	2	5	5
3110015	Mathematics –2	3	0	2	5	5
3110016	Basic Electronics	3	0	3	4	4
3110017	Induction Program	0	0	0	0	0
3110018	Physics	3	2	0	4	4

B.E. Computer III Semester

GTU CODE	Subject	Lecture (L)	Teaching Scheme		Total hour	Credit
			Tutorial (T)	Practical (P)		
3130004	Effective Technical Communication	2	2	0	3	3
3130006	Probability and Statistics	3	2	0	5	5
3130007	Indian Constitution	2	0	0	0	0
3130008	Design Engineering - I A	0	0	2	1	1
3130702	Data Structures	3	0	4	5	5
3130703	Database Management Systems	4	0	2	5	5
3130704	Digital Fundamentals	3	0	2	4	4
Beyond Academics						
3CE01	Software	0	0	2	2	
3CE02	Seminar	0	0	1	1	
3CE03	CDC Activities	0	0	1	1	
3CE04	GATE Classes	0	0	4	4	

B.E. Computer IV Semester

GTU CODE	Subject	Lecture	Tutorial	Practical (P)	Total	Credit
		(L)	(T)		Hour	
3140005	Design Engineering - I B	0	0	2	1	1
3140702	Operating System	4	0	2	5	5
3140705	Object Oriented Programming -I	4	0	2	5	5
3140707	Computer Organization & Architecture	3	0	2	5	5
3140708	Discrete Mathematics	3	3	0	5	5
3140709	Principles of Economics and Management	3	0	0	3	3
Beyond Academics						
4CE01	Software	0	0	2	2	
4CE02	Seminar	0	0	1	1	
4CE03	CDC Activities	0	0	1	1	
4CE04	GATE Classes	0	0	4	4	

B.E. Computer V Semester

GTU CODE	Subject	Lecture (L)	Tutorial (T)	Practical (P)	Total Hour	Credit
2150001	Design Engineering - II A	0	0	3	3	3
2150002	Cyber Security (Inst. Elec.)	0	1	2	3	3
2150003	Disaster Management (Inst. Elec.)	3	0	0	3	3
2150703	Analysis and Design of Algorithms	4	0	2	6	6
2150704	Object Oriented Programming using JAVA	4	0	2	6	6
2150707	Microprocessor and Interfacing	4	0	2	6	6
2150708	System Programming	4	0	2	6	6
Beyond Academics						
5CE01	Software	0	0	2	2	
5CE02	Seminar	0	0	1	1	
5CE03	Training & Placement Activities	0	0	1	1	
5CE04	GATE Classes	0	0	4	4	

B.E. Computer VI Semester

GTU CODE	Subject	Lecture (L)	Tutorial (T)	Practical (P)	Total Hour	Credit
2160001	Design Engineering - II B	0	0	3	3	3
2160701	Software Engineering	4	0	2	6	6
2160703	Computer Graphics	4	0	2	6	6
2160704	Theory of Computation	3	0	0	3	3
2160707	Advanced Java	4	0	2	6	6
2160708	Web Technology	3	0	2	5	5
2160709	Embedded and VLSI Design	4	0	2	6	6
2160710	Distributed Operating System	4	0	2	6	6
2160711	Net Technology	4	0	2	6	6
Beyond Academics						
6CE01	Software	0	0	2	2	
6CE02	Seminar	0	0	1	1	
6CE03	Training & Placement Activities	0	0	1	1	
6CE04	GATE Classes	0	0	4	4	

B.E. Computer VII Semester

GTU CODE	Subject	Lecture (L)	Tutorial (T)	Practical (P)	Total Hour	Credit
2170001	Project	0	0	4	4	4
2170701	Compiler Design	4	0	2	6	6
2170709	Information and Network Security	4	0	2	6	6
2170710	Mobile Computing and Wireless Communication	4	0	2	6	6
2170712	Image Processing	3	0	2	5	5
2170713	Service Oriented Computing	3	2	0	5	5
2170714	Distributed DBMS	3	0	2	5	5
2170715	Data Mining and Business Intelligence	3	0	2	5	5
Beyond Academics						
7CE01	Software	0	0	2	2	
7CE02	Training & Placement Activities	0	0	2	2	

B.E. Computer VIII Semester

GTU CODE	Subject	Lecture	Tutorial	Practical	Total	Credit
		(L)	(T)	(P)	Hour	
2180703	Artificial Intelligence	4	0	2	6	6
2180706	Project (Phase-II)	0	0	16	16	16
2180709	IOT and Applications (Dept Elec -III)	3	2	2	7	5
2180710	Big Data Analytics (Dept Elec -III)	3	2	2	7	5
2180711	Python Programming (Dept Elec -III)	3	2	2	7	5
2180712	Cloud Infrastructure and Services(Dept Elec III)	3	2	2	7	5
2180713	Web Data Management (Dept Elec-- III)	3	2	2	7	5
2180714	iOS Programming (Dept Elec - III)	3	2	2	7	5
2180715	Android Programming (Dept Elec -III)	3	2	2	7	5
Beyond Academics						
8CE01	Software	0	0	2	2	
8CE02	Training & Placement Activities	0	0	2	2	