

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	
2110001	Chemistry	3	0	2	5	5
2110002	Communication Skills	2	0	2	4	4
2110003	Computer Programming and Utilization	3	1	2	6	6
2110004	Elements of Civil Engineering	4	0	2	6	6
2110005	Elements of Electrical Engineering	4	0	2	6	6
2110006	Elements of Mechanical Engineering	4	0	2	6	6
2110007	Environmental Studies	3	0	0	3	3
2110011	Physics	3	0	2	5	5
2110012	Workshop	0	0	4	4	4
2110013	Engineering Graphics	2	0	4	6	6
2110014	Calculus	3	2	0	5	5
2110015	Vector Calculus and Linear Algebra	3	2	0	5	5
2110016	Basic Electronics Electrical and Electronics	4	0	2	6	6
2110017	Workshop	0	0	4	4	4
2990001	Contributor Personality Development	4	0	0	4	4

B.E. Computer III Semester

GTU CODE	Subject	Lecture (L)	Teaching Scheme		Total hour	Credit
			Tutorial (T)	Practical (P)		
2130002	Mathematics	3	2	0	5	5
2130004	Engineering Economics and Management	3	0	0	3	3
2130005	Design Engineering - I	0	0	3	3	3
2130702	Data Structures	4	0	4	8	8
2130703	Database Management Systems	4	0	4	8	8
2131004	Digital Electronics	4	0	2	6	6
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	
2140002	Design Engineering - I B	0	0	3	3	3
2140702	Operating System	4	0	2	6	6
2140705	Object Oriented Programming With C++	4	0	4	8	8
2140706	Numerical and Statistical Methods for Computer Engineering	3	0	2	5	5
2140707	Computer Organization	4	1	0	5	5
2140709	Computer Networks	4	0	2	6	6
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 (L)	Tutorial (T)	Practical (P)	Total Hour	Credit
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	