

Course Structure of

Bachelor of Technology (B.Tech)

In

Computer Science and Engineering in IITKGP

Semester: 1 & 2

Subject Type	Subject No	Subject Name	L-T-P Credit	
FC	EA10001	EXTRA ACADEMIC ACTIVITY-I	0-0-3	0
	FCPH11001	PHYSICS	3-1-0	4
FC	PH19001	PHYSICS LAB.	0-0-3	2
FC	CS19101	PROGRAMMING AND DATA STRUCTURES TUTORIAL AND LABORATORY	0-1-3	3
FC	HS13001	ENGLISH FOR COMMUNICATION	3-0-2	4
FC	CE13001	ENGINEERING DRAWING AND COMPUTER GRAPHICS	1-0-3	3
FC	CS10001	PROGRAMMING AND DATA STRUCTURES	3-0-0	3
FC	MA10001	MATHEMATICS-I	3-1-0	4
FC	EE19001	ELECTRICAL TECHNOLOGY LAB.	0-0-3	2
FC	ME19001	INTRODUCTION TO MANUFACTURING PROCESSES	0-0-3	2
FC	EA10002	EXTRA ACADEMIC ACTIVITY-II	0-0-3	0
FC	EA10005	INDUCTION PROGRAM	0-0-0	0
FC	MA10002	MATHEMATICS-II	3-1-0	4
FC	EE11001	ELECTRICAL TECHNOLOGY	3-1-0	4
FC	CY19001	CHEMISTRY LAB.	0-0-3	2
FC	CY11001	CHEMISTRY	3-1-0	4
FC	ME10001	MECHANICS	3-1-0	4

Semester: 3

Subject Type	Subject No	Subject Name	L-T-P Credit	
DEPTH	CS21001	DISCRETE STRUCTURES	3-1-0	4
DEPTH	EA10003	EXTRA ACADEMIC ACTIVITY-III	0-0-3	0
DEPTH	EC29003	INTRODUCTION TO ELECTRONICS LAB.	0-0-3	2
DEPTH	EC21103	INTRODUCTION TO ELECTRONICS	3-1-0	4
DEPTH	EE29001	SIGNALS AND NETWORKS LAB.	0-0-3	2
DEPTH	CS21003	ALGORITHMS - I	3-1-0	4
DEPTH	CS29003	ALGORITHMS LABORATORY	0-0-3	2
DEPTH	EE21101	SIGNALS AND NETWORKS	3-1-0	4
HSS				

Semester : 4

Subject Type	Subject No	Subject Name	L-T-P Credit	
DEPTH	EA10004	EXTRA ACADEMIC ACTIVITY-IV	0-0-3	0
DEPTH	CS21004	FORMAL LANGUAGE AND AUTOMATA THEORY	3-1-0	4
DEPTH	CS29002	SWITCHING CIRCUITS LABORATORY	0-0-3	2
DEPTH	CS29006	SOFTWARE ENGINEERING LABORATORY	0-0-3	2
DEPTH	MA20104	PROBABILITY AND STATISTICS	3-0-0	3
DEPTH	CS20006	SOFTWARE ENGINEERING	3-0-0	3
DEPTH	CS21002	SWITCHING CIRCUITS AND LOGIC DESIGN	3-1-0	4
HSS(CORE)				

Semester : 5

Subject Type	Subject No	Subject Name	L-T-P Credit
DEPTH	CS39001	COMPUTER ORGANIZATION LABORATORY	0-0-6 4
DEPTH	CS31005	ALGORITHMS -II	3-1-0 4
DEPTH	CS39003	COMPILERS LABORATORY	0-0-3 2
DEPTH	CS31003	COMPILERS	3-0-0 3
DEPTH	CS31007	COMPUTER ORGANIZATION AND ARCHITECTURE	3-1-0 4
BREADTH-II			
ELECTIVE-I(MATH)			

Semester : 6

Subject Type	Subject No	Subject Name	L-T-P Credit
DEPTH	CS30002	OPERATING SYSTEMS	3-0-0 3
DEPTH	CS39006	NETWORKS LAB.	0-0-3 2
DEPTH	EV20001	ENVIRONMENTAL SCIENCE	2-0-0 2
DEPTH	CS39002	OPERATING SYSTEMS LABORATORY	0-0-3 2
DEPTH	CS31006	COMPUTER NETWORKS	3-0-0 3
DEPTH	BS20001	SCIENCE OF LIVING SYSTEM	2-0-0 2
DEPTH	CS39008	PROJECT SEMINAR	0-0-3 2
ELECTIVE-II			
ELECTIVE-III			

Semester : 7

Subject Type	Subject No	Subject Name	L-T-P Credit
DEPTH	CS48003	SUMMER TRAINING	0-0-0 2
DEPTH	CS41001	THEORY OF COMPUTATION 3-1-0 4	
ELECTIVE-IV			
ELECTIVE-V			
ELECTIVE-VI			
ELECTIVE-VII(OPEN)			
PROJECT-I			

Semester : 8

Subject Type	Subject No	Subject Name	L-T-P Credit
DEPTH	CS48004	COMPREHENSIVE VIVA	0-0-0
2 ELECTIVE-IX			
ELECTIVE-VIII			
ELECTIVE-X(OPEN)			
IEM			
PROJECT-II			