

3rd Semester Department Computer Science and Engineering				
Course Code	Course Name	L-T-P	Credits	Hours
MA201	Linear Algebra & Complex Analysis	3-1-0	4	5
CS202	Object Oriented Design and Programming	3-1-0	4	5
EC 201	Switching Theory and Logic Design	3-0-0	3	3
CS201	Data Structures	3-1-0	4	5
EC202	Electronics Devices & Circuits	3-0-0	3	5
HU201	Business Economics	3-0-0	3	3
CS211	Data Structures Laboratory	0-0-1	1	2
EC211	Digital System Laboratory	0-0-1	1	2
CS 212	Object Oriented Design and Programming Laboratory	0-0-1	1	2
Total			24	32
4th Semester Department of Computer Science and Engineering				
Course Code	Course Name	L-T-P	Credits	Hours
MA202	Probability Distributions, Transforms and Numerical Methods	3-1-0	4	5
CS203	Computer Organization and Architecture	3-1-0	4	5
CS204	Operating Systems	3-1-0	4	5
MA 203	Discrete Mathematics	3-0-0	3	3
CS205	Principles of Database Design	3-0-0	3	3
HU202	Principle of Accountancy and Management	3-0-0	3	3
CS216	Free and Open Source Software Laboratory	0-0-1	1	2
CS215	Data Base Design Laboratory	0-0-1	1	2
CS213	Computer Organization and Architecture Laboratory	0-0-1	1	2
CS 214	Operating Systems Laboratory	0-0-1	1	2
Total			25	32
5th Semester Department of Computer Science and Engineering				
Course Code	Course Name	L-T-P	Credits	Hours
CS301	Theory of Computation	3-1-0	4	5
CS302	System Software	3-0-0	3	3
EC301	Microprocessors and Microcontrollers	3-1-0	4	5
CS303	Data Communication	3-0-0	3	3
	Elective (Open)		4	5
CS304	Design Analysis of Algorithm	3-1-0	4	5
CS312	System Software Laboratory	0-0-1	1	2
EC311	Microprocessors and Microcontrollers Laboratory	0-0-1	1	2
CS313	Data Communication Laboratory	0-0-1	1	2
CS314	Design Analysis of Algorithm	0-0-1	1	2
Total			26	34

6th Semester Department Computer Science and Engineering				
Course Code	Course Name	L-T-P	Credit	Hours
	Elective		4	5
CS305	Software Engineering and Project Management	3-1-0	4	5
CS306	Compiler Design	3-1-0	4	5
CS307	Computer Graphics	3-1-0	4	5
CS308	Computer Networks	3-1-0	4	5
	Open Elective	3-1-0	4	5
CS316	Compiler Design Laboratory	0-0-1	1	2
CS315	Software Engineering and project management Laboratory	0-0-1	1	2
CS317	Computer Graphics Laboratory	0-0-1	1	2
CS318	Computer Network Laboratory	0-0-1	1	2
Total			28	38
7th Semester Department Computer Science and Engineering				
Course Code	Course Name	L-T-P	Credit	Hours
CS401	Artificial Intelligence	3-1-0	4	5
	Elective(Open Elective)		4	5
	Elective		4	5
CS402	Web Technology	2-1-0	3	5
CS413	Seminar and Project Preliminary		10	20
CS414	Viva		1	0
CS411	Artificial Intelligence Laboratory	0-0-1	1	2
CS412	Web Technology Laboratory	0-0-1	1	2
Total			28	44
8th Semester Department of Computer Science and Engineering				
Course Code	Course Name	L-T-P	Credit	Hours
	Elective		4	5
	Elective		4	5
	Elective		4	5
	Elective (Open Elective)		4	5
CS415	Final Project		10	20
Total			26	40
Total Credit				
2nd, 3rd and 4th Years		157		
1st Year		53		
Total		210		

Total credit distribution of B Tech Course in Computer Science and Engineering				
Sl. No	Subjects	3 rd ,4 th yd	1 st year	Total
1	Basic Science	11	18	29
2	Other Engineering Core	12	28	40
3	Humanities and Social Science	6	4	10
4	Program Core	92	0	92
5	Departmental Electives	20	0	20
6	Open Electives	16	0	16
7	Mandatory Course	0	3	3
	Total	157	53	210
Course Code	List of Electives(Departmental)	L-T-P	Credit	Hours
CS 501	Neural Networks for Machine Learning	3-0-1	4	5
CS 502	Data Mining and Ware Housing	3-0-1	4	5
CS503	System Simulation and Modeling	3-0-1	4	5
CS504	Wireless Networks	3-0-1	4	5
CS505	Natural Language Processing	3-0-1	4	5
CS506	Computational Geometry	3-1-0	4	5
CS507	Digital Image Processing	3-0-1	4	5
CS508	Bio Informatics	3-0-1	4	5
CS509	Advanced Design and Analysis of Algorithms	3-0-1	4	5
CS510	Advanced Computer Architecture	3-1-0	4	5
CS511	Distributed Computing	3-1-0	4	5
CS512	Fuzzy Set Theory and Application	3-1-0	4	5
CS513	Mobile Ad-hoc Network	3-0-1	4	5
CS514	Algorithmic Game Theory	3-1-0	4	5
CS515	Agile Software Development	3-1-0	4	5
CS516	Graph Analysis	3-1-0	4	5
CS517	Real Time System	3-0-1	4	5
CS518	Advance Software Engineering	3-1-0	4	5
CS519	Advanced programming concepts using java	3-0-1	4	5
CS520	Unix and shell Programming	3-0-1	4	5
Course Code	List of Electives(Open)	L-T-P	Credits	Hours
CS 601	Information Theory & Coding Techniques	3-1-0	4	5
CS 602	Robotics	3-1-0	4	5
CS 603	Graph Theory and Combinatorics	3-1-0	4	5
CS 604	Network Programming	3-0-1	4	5
CS 605	Introduction to Big Data	3-1-0	4	5
CS 606	Embedded System	3-0-1	4	5
CS 607	Programming Paradigms	3-0-1	4	5
CS 608	Modeling and Simulation of networks	3-0-1	4	5
CS 609	Network Security	3-0-1	4	5
CS 610	Cloud computing	3-1-0	4	5

