

B.Tech 2nd Year — Curriculum Structure (AIML / AIDS / DS / SC / IOT / RAI)

B.Tech - 3rd Semester			
Sr. No.	Course Code	Course Name	Type
1	25C1CSU-301	Mathematics – III (Probability and Statistics)	Basic Sciences
2	25C1CSU-302	Object Oriented Programming using C++	Professional Core Course
3	25C1CSU-311	Object Oriented Programming using C++ Lab	Professional Core Course
4	25C1CSU-303	Digital Electronics	Engineering Sciences
5	25C1CSU-312	Digital Electronics Lab	Engineering Sciences
6	25C1CSU-304	Data Structures and Algorithms	Professional Core Course
7	25C1CSU-313	Data Structures and Algorithms Lab	Professional Core Course
8	25C1XXU-XXX	Open Elective – I (Swayam / NPTEL/ MOOCs/Any other Platform/Department Elective pool)	Open Elective
9	25C1SEU-301	Career and Placement Planning (CPP) -1	Skill Enhancement
10	25C1CSU-314	Future Skills Lab	Skill Enhancement
11	25C1NCU-301	Constitution of India	NCC
12	25C1CSU-315	Summer Internship – I	Training

B.Tech – 4th Semester			
Sr. No.	Course Code	Course Name	Type
1	25C1CSU-401	Discrete Mathematics	Basic Sciences
2	25C1CSU-402	Operating Systems	Professional Core Course
3	25C1CSU-411	Operating Systems Lab	Professional Core Course
4	25C1CSU-403	Computer Organization and Architecture	Engineering Sciences
5	25C1CSU-412	Computer Organization and Architecture Lab	Engineering Sciences
6	25C1CSU-404	Design and Analysis of Algorithms	Professional Core Course
7	25C1CSU-413	Design and Analysis of Algorithms Lab	Professional Core Course
8	25C1HSU-401	Universal Human Values	Humanities and Social Sciences
9	25C1CSU-405	Core Elective – I (Swayam / NPTEL/ MOOCs/Any other Platform/Department Elective Pool)	Professional Elective
10	25C1SEU-401	Career and Placement Planning (CPP) - 2	Skill Enhancement