

R11		
E1S1		
Course Code	Name of the Course	Credits
MA1101	Mathematics I	4
PH1101, CY1101	Physics (Chemistry)	4
HS1101, ME1101	English for Communication (Mechanics)	3
EE1101, CS1101	Electrical Technology (Programming and Data Structures)	4
ME1102, CE1101	Introduction to Manufacturing process & WSP (Engineering Drawing and Graphics)	3
PH1701, CY1701	Physics Lab (Chemistry Lab)	2
EE1701, CS1701	Electrical Technology Lab (Programming and Data Structures Lab)	2
	Total Credits	22
E1S2		
Course Code	Name of the Course	Credits
MA1202	Mathematics II	4
PH1201, CY1201	Physics (Chemistry)	4
ME1201, HS1201	Engineering Mechanics (English)	3
CS1201, EE1201	Programming & Data Structures (Electrical Technology)	4
CE1201, ME1202	Engineering Drawing and Graphics (Introduction to Manufacturing process & WSP)	3
PH1801, CY1801	Physics Lab (Chemistry Lab)	2
CS1801, EE1801	Programming & Data Structures Lab (Electrical Technology Lab)	2
	Total Credits	22
E2S1		
Course Code	Name of the Course	Credits
MA2101	Discrete Mathematics	4
CS2101	Design of Algorithm	4
EC2101	Introduction to Electronics	4

EC2102	Network Theory	4
CS2701	Design of Algorithm lab	2
EC2701	Introduction to Electronics Lab	2
EC2702	Network Theory Lab	2
	Total Credits	22
E2S2		
Course Code	Name of the Course	Credits
CS2201	Switching Circuits and Logic Design	4
CS1301	Database Management Systems (DBMS)	4
CS2203	Introduction to Software Engineering	4
MA2204	Probability and Stochastic Processes	4
	Breadth - I	
CS2801	Switching Circuits and Logic Design lab	2
CS2803	Introduction to Software Engineering lab	2
	Total Credits	20
E3S1		
Course Code	Name of the Course	Credits
CS3101	Computer Organization and Architecture	4
CS2103	Object Oriented Programming	4
CS3201	Operating Systems	4
CS2202	FLAT	4
CS1706	DBMS LAB	2
CS3701	Computer Organization and Architecture Lab	2
CS1707	Object Oriented Programming Lab	2
CS3801	Operating Systems Lab	2
	Total Credits	24
E3S2		
Course Code	Name of the Course	Credits
CS4101	Computer Networks	4
CS4407	Artificial Intelligence	4
CS3202	Compiler Design	4
CS3103	Analysis Of Algorithms	4
	Elective	4
CS4701	Computer Networks Lab	2

CS3802	Compiler Design Lab	2
	Total Credits	24
E3 Summer Sem		
Course Code	Name of the Course	Credits
CS3301	Summer internship	8
	Total Credits	8
E4S1		
Course Code	Name of the Course	Credits
CS3102	Principles of Programming Languages	4
CS2204	Unix and Shell Programming	4
CS1103	IT Workshop	4
	Project	8
	Free Elective	4
CS2705	Unix and Shell Programming Lab	2
CS1703	IT Workshop Lab	2
	Total Credits	28
E4S2		
Course Code	Name of the Course	Credits
	Elective	4
	Elective	4
	Project	8
	Free Elective	4
CS4801	Comprehensive viva	2
	Total Credits	22

Grand Total Credits 192