Colour Code	THIS IS 2022 BATCH CUF	RICULUM			
	These courses are fixed, and can not shifted. (Do not modify)	be			
	These courses can be shifted across				
	Number of courses can vary within a				
	Semester	· 1			
Course code	Course name	Category	Credits	Semester Total	
CS 103	Computing and Science	Department Core		6	
MA 109	Calculus I	Basic Sciences and Mathematics		4	
MA 111	Calculus II	Basic Sciences and Mathematics		4	
CH 105	Organic & Inorganic Chemistry	Basic Sciences and Mathematics		4	
CH 107	Physical Chemistry	Basic Sciences and Mathematics		4	
PH 117	Physics lab	Basic Sciences and Mathematics		3	
CS 101	Computer programming	Engineering Sciences and skills		6	
HSS/IDC/ENT	Introduction to HASMED	HASMED Core		8	
NOCS 01	NCC/NSS/NSO	Non - Credited compulsory Courses			
GC 101	Gender sensitization course	Non - Credited compulsory Courses			
TA 101	TA Course	Non - Credited compulsory Courses			
				39	
	Semester	2			
Course code	Course name	Category	Credits	Semester Total	
CS 104	Software Systems Lab	Department Core		6	
MA 106	Linear Algebra	Basic Sciences and Mathematics		4	
MA 108	Differential Equations	Basic Sciences and Mathematics		4	
PH 111	Introduction to classical physics	Basic Sciences and Mathematics		4	
PH 112	Introduction to quantum physics	Basic Sciences and Mathematics		4	
BB101	Biology	Basic Sciences and Mathematics		6	
MS 101	Makerspace	Engineering Sciences and skills		8	
CH 117	Chemistry lab	Basic Sciences and Mathematics		3	
NOCS 02	NCC/NSS/NSO	Non - Credited compulsory Courses			

				39	
				39	
	Semester 3				
Course code	Course name	Category	Credits	Semester Total	
Course code	Data Analysis and Interpretation (CSE is	Category	Credits	Semester rotal	
	using this existing course in place of Al				
CS 215	and Data Science)	Engineering Sciences and skills	6		
EC 101	Economics	HASMED Core	6	1	
CS 207	Discrete structures	Department Core	6	i	
CS 213	Data Structures and Algorithms	Department Core	6		
CS 293	Data Structures Lab	Department Lab and SLP/PT/Works Visit	3		
CS 230	Digital Logic Design and Computer Archite		6	i	
CS 231	Digital Logic Design and Computer Archite	e Department Lab and SLP/PT/Works Visit	3	1	
				36	
	Semester 4				
Course code	Semester 4 Course name	Category	Credits	Semester Total	
		Category HASMED Core	Credits 6		
DE 250	Course name				
Course code DE 250 CS 218 CS 208	Course name Design Thinking	HASMED Core	6		
DE 250 CS 218 CS 208	Course name Design Thinking Design and Analysis of Algorithms	HASMED Core Department Core	6		New course
DE 250 CS 218 CS 208 CS 219	Course name Design Thinking Design and Analysis of Algorithms Logic and theory of computation	HASMED Core Department Core Department Core	6 6 6		New course
DE 250 CS 218	Course name Design Thinking Design and Analysis of Algorithms Logic and theory of computation Operating Systems	HASMED Core Department Core Department Core Department Core Department Lab and SLP/PT/Works Visit	6 6 6		New course New course
DE 250 CS 218 CS 208 CS 219 CS 236 CS 217	Course name Design Thinking Design and Analysis of Algorithms Logic and theory of computation Operating Systems Operating Systems Lab Artificial Intelligence and Machine Learnin	HASMED Core Department Core Department Core Department Core Department Lab and SLP/PT/Works Visit	6 6 6 6		
DE 250 CS 218 CS 208 CS 219 CS 236 CS 217	Course name Design Thinking Design and Analysis of Algorithms Logic and theory of computation Operating Systems Operating Systems Lab Artificial Intelligence and Machine Learnin	HASMED Core Department Core Department Core Department Core Department Lab and SLP/PT/Works Visit g Department Core	6 6 6 3 3		
DE 250 CS 218 CS 208 CS 219 CS 236	Course name Design Thinking Design and Analysis of Algorithms Logic and theory of computation Operating Systems Operating Systems Lab Artificial Intelligence and Machine Learnin	HASMED Core Department Core Department Core Department Core Department Lab and SLP/PT/Works Visit g Department Core	6 6 6 3 3		
DE 250 CS 218 CS 208 CS 219 CS 236 CS 217	Course name Design Thinking Design and Analysis of Algorithms Logic and theory of computation Operating Systems Operating Systems Lab Artificial Intelligence and Machine Learnin	HASMED Core Department Core Department Core Department Core Department Lab and SLP/PT/Works Visit g Department Core	6 6 6 3 3		
DE 250 CS 218 CS 208 CS 219 CS 236 CS 217	Course name Design Thinking Design and Analysis of Algorithms Logic and theory of computation Operating Systems Operating Systems Lab Artificial Intelligence and Machine Learnin	HASMED Core Department Core Department Core Department Core Department Lab and SLP/PT/Works Visit g Department Core	6 6 6 3 3		
DE 250 CS 218 CS 208 CS 219 CS 236 CS 217	Course name Design Thinking Design and Analysis of Algorithms Logic and theory of computation Operating Systems Operating Systems Lab Artificial Intelligence and Machine Learnin	HASMED Core Department Core Department Core Department Core Department Lab and SLP/PT/Works Visit g Department Core	6 6 6 3 3		
DE 250 CS 218 CS 208 CS 219 CS 236 CS 217	Course name Design Thinking Design and Analysis of Algorithms Logic and theory of computation Operating Systems Operating Systems Lab Artificial Intelligence and Machine Learnin	HASMED Core Department Core Department Core Department Core Department Lab and SLP/PT/Works Visit g Department Core	6 6 6 3 3		
DE 250 CS 218 CS 208 CS 219 CS 236 CS 217	Course name Design Thinking Design and Analysis of Algorithms Logic and theory of computation Operating Systems Operating Systems Lab Artificial Intelligence and Machine Learnin	HASMED Core Department Core Department Core Department Core Department Lab and SLP/PT/Works Visit g Department Core	6 6 6 3 3		

CS 348	Computer Networks	Department Core	6	Syllabus Update
CS 378	Computer Networks Lab	Department Lab and SLP/PT/Works Visit	3	Syllabus Update
CS 353	Abstractions and Paradigms for Program	m Department Core	6	New course
CS 355	Programming Paradigms Lab	Department Lab and SLP/PT/Works Visit	3	
	STEM elective 1	STEM Elective	6	
	HASMED elective 1	HASMED Elective	6	
CS	Department elective 1	Department Electives	6	