List of Honours, Minor Specialization, DE, OC as Approved by BoS for 2018 Admitted Batch

Name of the Department: Computer Science and Engineering

Session	Semester	Courses for Honours	Courses for Minor Specialization	DE-Courses	OC-Courses
Jul-Dec 2020	V	1) Introduction to internet of things 2) Data Science for Engineers 3) The Joy of Computing using Python	 Introduction to Operating Systems Database Management System Object oriented analysis and design 		
Jan- June 2021	VI	1) GPU Architecture and Programming 2) Privacy and Security in online social media 3) Computational Complexity Theory	 Design and analysis of algorithms Programming data structures and algorithms using python Programming in java 	DE-1 1) Network and Web Security 2) Image Processing 3) Mobile Computing	OC-1 1) Data Structures 2) Python Programming
July-Dec 2021	VII	Deep Learning for Computer Vision Parameterized Algorithms Big Data Computing	Computer Graphics Theory of Computation Software Testing	DE-3 1) Networking with TCP/IP 2) Data Mining & Warehousing 3) Distributed Systems DE-4(SWAYAM) 1) Cloud Computing 2) Deep learning - IITRopar 3) Software Testing	OC-2 1) Soft Computing 2) Network Security 3) Data Mining & Warehousing OC-3 1) R Programming 2) Artificial Intelligence 3) Computer Networks

Jan-June	VIII	1) Advanced Computer	1) Cloud Computing and	DE-5(SWAYAM)	OC-4
2022		Architecture	Distributed Systems	1) Social Network	1) Ethical Hacking
2022		1) Information Security - 5 -	2) Introduction to Machine Learning	2) Ethical Hacking	2) Introduction to Internet of Things
		Secure Systems Engineering	3) Data Science for Engineers	3) Hardware Security	3) Online Privacy
		2) Foundations of		DE-6(SWAYAM)	
		Cryptography		1) Blockchain and its Applications	
				2) Online Privacy	
				3) Reinforcement Learning	