

Rayat Shikshan Sanstha's					
Karmaveer Bhaurao Patil College, Vashi					
(Autonomous)					
DEPARTMENT OF COMPUTER SCIENCE					
CBCS - SYSTEM					
B.Sc. HONOURS WITH COMPUTER SCIENCE					
Semester	Core Courses (18 Subjects)	Ability Enhancement Compulsory Course (2 Subjects of 4 Credits each)	Skill Enhancement Course (2 Subjects of 4Credits each)	Discipline Specific Elective (4 Subjects of 6 Credits each)	Generic Elective (4 Subjects of 6 Credits each)
I	C-1 Computer Organization Architecture(3+1)	AECC-1 Soft Skill Development (3+1)	-----	-----	GE-1 Discrete Mathematics OR Digital Electronics (4+2)
	C-2 Python -I (3+1)				
	C-3 C Programming (3+1)				
II	C-4 Database Management systems (3+1)	AECC-2 Free & Open Source Software (3+1)			GE-2 Descriptive Statistics - I OR Physical Computing and IoT Programming (4+2)
	C-5 Python - II (3+1)				
	C-6 Data Structure using Python (3+2)				
III	C-7 OS & Linux (3+2)		SEC-1 Web Programming-I OR PL/SQL (3+1)		GE-3 Descriptive Statistics - II OR Embedded System (4+2)
	C-8 Computer Networks (3+2)				
	C-9 Core Java(3+2)				
IV	C-10 Advanced Java (3+2)		SEC-2 Web Programming-II OR Android Developer Fundamentals (3+1)		GE-4 Game Programming OR Combinatorics & Graph Theory (4+2)
	C-11 Software Engineering (3+2)				
	C-12 Information and Network Security (3+2)				

V	C-13 Linux Server Administration (3+2)			DSE-1 Artificial Intelligence OR Web Services (4+2)	
	C-14 Software Testing and Quality Assurance (3+2)			DSE-2 Architecting of IoT OR Ethical Hacking (4+2)	
	C-15 .Net Technology with C# (3+2)				
VI	C-16 Cloud Computing (3+2)			DSE-3 Wireless Sensor Networks and Mobile Communication OR Digital Image Processing (4+2)	
	C-17 Cyber Forensics (3+2)			DSE-4 Information Retrieval OR Data Science (4+2)	
	C-18 Project (3+2)				