

STRUCTURE FOR SEMESTER - 5
GUJARAT UNIVERSITY
Bachelor of Computer Applications (B.C.A.)
(as per NEP 2020)

COURSE:	Bachelor Of Computer Applications (B.C.A.)		
MAJOR:	COMPUTER APPLICATIONS		
MINOR:	1. COGNITIVE MATHS		
	2. DATA SECURITY		
	3. WEB TECHNOLOGIES		
SEMESTER - 5			
MAJOR			
CODE	COURSE		CREDITS
DSC-C-BCA-351T	System Analysis: Design & Development (Internal Evaluation of SDP 1: Viva Voce)		4
DSC-C-BCA-352T	Problem Solving Using Python		4
DSC-C-BCA-353P	Practical Solutions Using Python		4
MINOR			
CODE	COURSE		CREDITS
DSC-M-BCA-354T	Digital Marketing in E-Commerce		4
DSC-M-BCA-354P	Digital Marketing & Search Engine Optimization		4
	OR		
DSC-M-BCA-354T	Block Chain Technology		4
DSC-M-BCA-354P	Block Chain Technology Practical		4
	OR		
DSC-M-BCA-354T	Foundation of Mathematical Applications		4
DSC-M-BCA-355P	Web Applications Development using PHP		4
SKILL ENHANCEMENT COURSE (Any ONE Course. Course can also be chosen from Basket)			
SEC-BCA-356	Project Management suing SCRUM		2
SEC-BCA-356	Web Skill Development tools (Git, GitHub, Google Docs, Google sheet)		2
SEC-BCA-356	Information Security		2
SEC-BCA-356	Concepts of IOT		2
SEC-BCA-356	Network Administration		2
TOTAL CREDITS			22