

STRUCTURE FOR SEMESTER – 4
GUJARAT UNIVERSITY
Bachelor Of Computer Applications (B.C.A.)
(as per NEP 2020)

COURSE: Bachelor Of Computer Applications (B.C.A.)

MAJOR: COMPUTER APPLICATIONS

SEMESTER - 4

MAJOR

CODE	COURSE	CREDITS
DSC-C-BCA-241T	Software Engineering	4
DSC-C-BCA-242T	Database Management Concepts	4
DSC-C-BCA-243P	Structured Query language Using SQL Plus	4

MINOR

CODE	COURSE	CREDITS
DSC-M-BCA-244T	Principles of Web Application Development	2
DSC-M-BCA-245P	Web Application Development using ASP.net – C#	2
	OR	
DSC-M-BCA-244T	Computer Oriented Numerical Methods	2
DSC-M-BCA-245P	Computer Oriented Numerical Methods practical	2
	OR	
DSC-M-BCA-244T	Web Security	2
DSC-M-BCA-245P	Web Penetration Testing using DVWA and Wireshark	2

ABILITY ENHANCEMENT COURSE 0

AEC-BCA-245	(Any ONE Course to be selected from the Basket)	2
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SKILL ENHANCEMENT COURSE

(Any ONE Course. Course can also be chosen from Basket)

SEC-BCA-246	Software Testing Automation	2
SEC-BCA-246	Business Intelligence using applications of Power BI	2
SEC-BCA-246	Programming with RUBY	2

COMMON VALUE ADDED COURSES

VAC-BCA-247	(Any ONE Course to be selected from the Basket)	2
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TOTAL CREDITS 22