

BACHELOR OF COMPUTER APPLICATIONS (BCA) Syllabus
VIKRAMA SIMHAPURI UNIVERSITY, Nellore with effect from 2020-2021



VIKRAMA SIMHAPURI UNIVERSITY::NELLORE

Common Framework of CBCS for Colleges in Andhra Pradesh
(A.P. State of Council of Higher Education)

SYLLABUS OF BACHELOR OF COMPUTER APPLICATIONS
UNDER CBCS FRAME WORK

WITH EFFECT FROM 2020-2021

PROGRAMME: THREE-YEAR B.C.A

(With learning outcomes, Unit-wise Syllabus, References, Co-curricular Activities
&

Model Q.P. For Fifteen Courses of 1, 2, 3 & 4 Semesters)

(To be Implemented from 2020-21 Academic Year)

First Semester

S.No	Paper Code	Subject	Hours/ Week	No of Credits	Max. Marks	Max. Marks	Total Marks
					Internal assessment	University Exam	
1		English – I	4	3	25	75	100
2		Language(H/T/S) – I	4	3	25	75	100
3		Life Skill Course – I	2	2	-0-	50	50
4		Skill Development Course – I	2	2	-0-	50	50
5	C1	Computer Fundamentals & Office tools	4	4	25	75	100
6	C1-P	Computer Fundamentals & Office tools-Lab	2	1	-0-	50	50
7	C2	Programming in C	4	4	25	75	100
8	C2-P	Programming in C Lab	2	1	-0-	50	50
9	C3	Numerical and Statistical Methods	4	4	25	75	100
10	C3-P	Numerical and Statistical Methods-Lab	2	1	-0-	50	50
Total			30	25	125	625	750

U. Srinivas

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Second Semester

S.No	Paper Code	Subject	Hours/Week	No of Credits	Max. Marks Internal assessment	Max. Marks University Exam	Total Marks
1		English – II	4	3	25	75	100
2		Language(H/T/S) – II	4	3	25	75	100
3		Life Skill Course – II	2	2	-0-	50	50
4		Skill Development Course – II	2	2	-0-	50	50
5		Skill Development Course – III	2	2	-0-	50	50
6	C4	Data Structures	4	4	25	75	100
7	C4-P	Data Structures Lab	2	1	-0-	50	50
8	C5	Object Oriented Analysis & Design	4	4	25	75	100
9	C5-P	Object Oriented Analysis & Design Lab	2	1	-0-	50	50
10	C6	Database Management Systems	4	4	25	75	100
11	C6-P	Database Management Systems Lab	2	1	-0-	50	50
Total			32	27	125	675	800

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Third Semester

S.No	Paper Code	Subject	Hours/Week	No of Credits	Max. Marks Internal assessment	Max. Marks University Exam	Total Marks
1		English –III	4	3	25	75	100
2		Language(H/T/S) – III	4	3	25	75	100
3		Life Skill Course – III	2	2	-0-	50	50
4		Life Skill Course – IV	2	2	-0-	50	50
5		Skill Development Course – IV	2	2	-0-	50	50
6	C7	Accounting and Financial Management	4	4	25	75	100
7	C7-P	Accounting and Financial Management Lab	2	1	-0-	50	50
8	C8	Object Oriented Programming Through Java	4	4	25	75	100
9	C8-P	Object Oriented Programming Through Java Lab	2	1	-0-	50	50
10	C9	Operating Systems	4	4	25	75	100
11	C9-P	Operating Systems Lab	2	1	-0-	50	50
Total			32	27	125	675	800

U. Senarath