

ALAGAPPA UNIVERSITY, KARAİKUDI
SYLLABUS UNDER CBCS PATTERN FOR AFFILIATED COLLEGES
WITH EFFECT FROM THE ACADEMIC YEAR 2022-23 ONWARDS

B. C. A.
Programme Structure

Sem.	Part	Course Code	Courses	Title of the Paper	T/P	Credit	Hours/ Week	Max. Marks		
								Int.	Ext.	Total
I	I	2211T	T/OL	Tamil /Other Languages -I	T	3	6	25	75	100
	II	712CE	E	Communicative English - I	T	3	6	25	75	100
	III	22BCA1C1	CC	Data Structure & C Programming	T	5	5	25	75	100
		22BCA1P1	CC	Practical -Data Structure & C Programming Lab	P	4	4	40	60	100
		-	AL - IA	IT/Computer Sciecne/ Mathematics/Physics	T	3	3	25	75	100
		-	AL - IA	Practical-Respective Allied Theory Course	P	2	2	40	60	100
	IV	22BVE1	SEC-I	Value Education		2	2	25	75	100
				Library		--	2	--	--	--
Total						22	30	205	495	700
II	I	2221T	T/OL	Tamil/Other Languages-II	T	3	6	25	75	100
	II	722CE	E	Communicative English - II	T	3	6	25	75	100
	III	22BCA2C1	CC	Object Oriented Programing in C++	T	5	5	25	75	100
		22BCA2P1	CC	Practical-Object Oriented Programing in C++	P	4	4	40	60	100
		-	AL - IA	IT/Computer Sciecne/ Mathematics/Physics	T	3	3	25	75	100
		-	AL - IA	Practical-Respective Allied Theory Course	P	2	2	40	60	100
	IV	22BES2	SEC-II	Environmental Studies	T	2	2	25	75	100
				Library			2	--	--	--
Total						22	30	205	495	700
III	I	2231T	T/OL	Tamil/Other Languages-II	T	3	6	25	75	100
	II	2232E	E	English for Enrichment - I	T	3	6	25	75	100
	III	22BCA3C1	CC	Database Management System	T	3	3	25	75	100
		22BCA3C2	CC	Operating System	T	3	3	25	75	100
		22BCA3P1	CC	Practical-Oracle Lab	P	3	3	40	60	100
		-	AL - IA	IT/Computer Sciecne/ Mathematics/Physics	T	3	3	25	75	100
		-	AL - IA	Practical-Respective Allied Theory Course	P	2	2	40	60	100
	IV	22BE3	SEC-III	Entrepreneurship		2	2	25	75	100
		-	NME-I	1.Adipadai Tamil (or) 2.Advance Tamil (or) 3.IT Skills for Employment (or) MOOC's	T	2	2	25	75	100
Total						24	30	255	645	900
	I	2241T	T/OL	Tamil /Other Languages -IV	T	3	6	25	75	100
	II	2242E	E	English for Enrichment - II	T	3	6	25	75	100
		22BCA4C1	CC	Java Programming	T	4	4	25	75	100
		22BCA4C2	CC	Computer Networks	T	4	4	25	75	100

IV	III	22BCA4P1	CC	Practical–Java Programming	P	3	3	40	60	100
		-	AL – IA	IT/Computer Sciecn/ Mathematics/Physics	T	3	3	25	75	100
		-	AL - IA	Practical-Respective Allied Theory Course	P	2	2	40	60	100
	IV	-	NME- II	1. Adipadai Tamil(or) 2. Advance Tamil(or) 3. Small Business Management (or) MOOC's	T	2	2	25	75	100
				Total		24	30	230	570	800
V	III	22BCA5C1	CC	• Net Programming	T	4	4	25	75	100
		22BCA5C2	CC	Python Programming	T	4	4	25	75	100
		22BCA5C3	CC	Web Design Technology	T	4	4	25	75	100
		22BCA5C4	CC	Computer Architecture and Organization	T	4	4	25	75	100
		22BCA5P1	CC	Practical–Python Programming	P	4	6	40	60	100
		22BCA5P2	CC	Practical–Web Design Technology	P	4	6	40	60	100
				Career Development/ Employability skills		--	2	--	--	--
			Total		24	30	180	420	600	
VI	III	22BEL6I	DSE	Internship		24	30	150	250	400
				Or						
		22BCA6E1 22BCA6E2		(A)Data Mining & Warehousing/ (B)Artificial Intelligence	T	6	6	25	75	100
		22BCA6E3 22BCA6E4		(A)Software Engineering / (B)Internet of Things	T	6	6	25	75	100
		22BCA6E5 22BCA6E6		(A)Cloud Computing / (B) Mobile Application Development	T	6	6	25	75	100
		22BCA6E7 22BCA6E8		(A)Fundamentals of Digital Image Processing / (B) Computer Graphics	T	6	6	25	75	100
				Library/Yoga etc.		--	2	--	--	--
				Career Development/ Employability Skills/ Field Trip		--	4	--	--	--
				Total		24	30		100	400
				Or						
		22BCA6PR		Project		6	10	25	75	100
		22BCA6E1 22BCA6E2		(A)Data Mining & Warehousing / (B)Artificial Intelligence		6	6	25	75	100
		22BCA6E3 22BCA6E4		(A)Software Engineering / (B)Internet of Things		6	6	25	75	100
		22BCA6E5 22BCA6E6		(A)Cloud Computing / (B) Mobile Application Development		6	6	25	75	100
				Library/Yoga/ Career Development/ Employability Skills/Field Trip etc.		--	2	--	--	--
	Total		24	30	100	300	400			
	Grand Total		140	--	--	--	4100			