

Bachelor of Computer Applications

(Three Years Regular Programme)

(For those who joined since 2021-22)

Programme Specific Outcomes (PSO)

PSO 1: To provide a foundation of computing principles and business practices for effectively using/managing information systems and enterprise software

PSO 2: To specialize in legacy application software, system software or mobile applications.

PSO 3: To Prepare the students to provide professional solutions to real time problems

Programme Structure

Sem	Part	Subject Code	Course	Subject Title	Hrs / Wk	Credit	CIA Marks	ESE Marks	Total Mark	
I	I	HBLT11/ HBLA11/ HBLIA11/ HBLH11	Language I	Tamil I/ Basic Arabic I/ Intermediate Arabic I/ Hindi I	6	6	40	60	100	
	II	HBLG12/ HBLF12	Language II	English General/Functional	6	6	40	60	100	
	III		HBCPC11	Core I	Programming in C	4	4	40	60	100
			HBCPC12P	Core II	Programming in C Lab	4	4	40	60	100
			HBCPA13P	First Allied I	Office Automation Lab	4	2	40	60	100
			HBCPA14	First Allied II	Numerical Methods	4	3	40	60	100
	IV	HBCPE15P	Skill Based Elective	Python Lab	2	2	-	50	50	
					Total	30	27	240	410	650

II	I	HBLT21/ HBLA21/ HBLIA21/ HBLH21	Language I	Tamil/Hindi/ Arabic	6	6	40	60	100
	II	HBLG22/ HBLF22	Language II	English General/Functional	6	6	40	60	100
	III	HBCPC21	Core III	Object oriented Programming in C++	4	3	40	60	100
		HBCPC22P	Core IV	Object Oriented Programming in C++ Lab	4	3	40	60	100
		HBCPA23	First Allied III	Digital Electronics	4	3	40	60	100
		HBCPA24P	First Allied IV	Digital Electronics Lab	2	2	40	60	100
	IV	HBCPE25P	Skill Base Elective	Multimedia Lab II (Photoshop)	2	2	-	50	50
		HBES2	General Interest Course I	Environmental Studies	2	2	-	50	50
		HBCPX2O	Extra Credit	*Online Certification		2		100	100
					Total	30	27+2	240	460+100
III	III	HBCPC31	Core V	Computer Organization	5	4	40	60	100
		HBCPC32	Core VI	RDBMS	4	3	40	60	100
		HBCPC33P	Core VII	RDBMS Lab	3	1	40	60	100
		HBCPA34	Second Allied I	Accounting Principles and Practice	4	3	40	60	100
		HBCPA35P	Second Allied II	Accounting Package Lab	4	2	40	60	100

	IV	HBCPE36P	Skill Based Elective	Web Designing Lab(HTML VBScript & JavaScript)	3	2	-	50	50
			Non-Major Elective		2	2	-	50	50
		HBHR3	General Interest Course II	Human Rights	3	2	-	50	50
	V	HBXTN3	Extension Activities	NSS/CSS	2	2	100	-	100
		HBCPX3P/ HBCPX3O	Extra Credit	Design and Drafting Lab(AutoCAD Lab) / *Online Certification		2	-	100	100
				Total	30	21+2	300	450+100	750+100
IV	III	HBCPC41	Core VIII	Data Structures and Algorithm	5	4	40	60	100
		HBCPC42	Core IX	Operating System	4	4	40	60	100
		HBCPC43P	Core X	Visual Programming Lab	3	4	40	60	100
		HBCPA44	Second Allied III	Microprocessor	4	3	40	60	100
		HBCPA45P	Second Allied IV	Microprocessor Lab	4	2	40	60	100
	IV	HBCPE46P	Skill Based Elective	Linux and Shell Programming Lab	3	2	-	50	50
		HBVE4	General Interest Course III	Values and Ethics	2	2	-	50	50

			Non-Major Elective		3	2	-	50	50
		HBCPX4/ HBCPX4O	Extra Credit	Multimedia / *Online Certification	2	2	-	100	100
				Total	30	23+2	200	450+100	650+100
V	III	HBCPC51	Core XI	Programming in Java	4	3	40	60	100
		HBCPC52P	Core XII	Programming in Java Lab	5	4	40	60	100
		HBCPC53	Core XIII	Internet of Things	4	3	40	60	100
		HBCPE5A/ HBCPE5B	Elective I	Software Testing/ Cloud Computing	5	5	40	60	100
		HBCPE5C/ HBCPE5D	Elective II	a.Software Development Framework / b.Theory of Computation	5	5	40	60	100
	IV	HBCPE54P	Skill Based Elective	PHP Lab	3	2		50	50
		HBWS5	General Interest Course IV	Women Studies	3	2		50	50
		HBCPX5O	Extra Credit	*Online Certification		2		100	100
				Library	1				
				Total	30	24+2	200	400+100	600+100
VI	III	HBCPC61	Core XIV	Software Engineering	5	4	40	60	100
		HBCPC62	Core XV	Computer Networks	5	4	40	60	100

	HBCPC63	Core XVI	Computer Graphics	4	4	40	60	100
	HBCPC64PW	Core XVII	Project	6	4	40	60	100
	HBCPE6A/ HBCPE6B	Elective III	a. Mobile Application Development / b. Compiler Design	5	5	40	60	100
IV	HBCPE65P	Skill Based Elective	Multimedia Lab I (Flash)	3	2		50	50
	HBCPE6/ HBCPX6O	Extra Credit	Skills for Employability Development / *Online Certification		2	100		100
			Library	2				
			Total	30	23+2	200 + 100	350	550+100
Grand Total				180	145+10	1380 +100	2520+40	3900+500

* For Online certification, credit alone will be assigned on submission of certificate obtained through appearing for online examination from EdX, Spoken Tutorial, NPTEL or Coursera etc approved by the Department