

DEPARTMENT OF COMPUTER APPLICATIONS

BCA

CHOICE BASED CREDIT SYSTEM (CBCS)

&

LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK (LOCF)

2022 - 2025 Batch



57 YEARS

Owned and Managed by Cork Industries Charities Trust
Affiliated to University of Madras - Re-Accredited with 'A+' Grade by NAAC
Chromepet Chennai-600044

PROGRAMME OUTCOMES (PO)

PO1	Develop sharp cognizance of concepts, apply the domain knowledge with utmost confidence and be assertive at any given opportunity.
PO2	Possess deeper understanding of life skills to appraise life and draw logical conclusions.
PO3	Design and develop solutions for challenging problems of society.
PO4	Acquire programme centric thought process facilitating further studies in the respective domain.
PO5	Engage in life-long learning to easily adapt to the dynamic environment and obtain clarity and preparedness for field specialization.
PO6	Self actualize and self regulate, focusing on ethical and moral values to become a compassionate human being.

After completion of the programme, the student will be able to

PROGRAMME SPECIFIC OUTCOMES (PSO)

The students at the time of graduation will

PSO1	Attain the ability to understand the basic principles and concepts to acquire knowledge of mathematical foundations and computer applications.
PSO2	Ability to adopt the rapid changes in tools and technology and to explore technical skills in diverse areas of computer applications.
PSO3	Explore technical comprehension in varied areas of computer applications and experience a conducive environment in cultivating skills for thriving career and higher studies.





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CURRICULUM 2022 - 2025 Batch

SEM	PART	COURSE COMPONEN	COURSE CODE	TITLE OF THE PAPER	CRED ITS	LECT HOI TH		CIA	ESE	TOTAL
		Т								
I Ye ar - Se	I	Foundation Course	22ULTFC1001/ 22ULHFC1001/ 22ULSFC1001/ 21ULFFC1001	Tamil –I/ Hindi –I/ Sanskrit-I/ French-I	3	6		40	60	100
	II	Foundation Course	20UGEFC1001	English -I	3	6		40	60	100
		Core Theory -I	22UCACT1001	Programming in C and C++	4	4		40	60	100
	l	Core Practical-I	22UCACP1001	Programming in C and C++ Lab	2		3	40	60	100
es te		Core Practical-II	20UCACP1002	Web Designing Lab	2		3	40	60	100
rl		Allied I	20UCAAT1001	Allied Mathematics-I	5	6		40	60	100
	IV	Soft Skill I	20USSLC1001	Soft Skills - Essentials of Communication Skills	3	2		50	-	50
	Total									650
	ı	Foundation Course	22ULTFC2002 22ULHFC2002 22ULSFC2002 21ULFFC2002	Tamil –II/ Hindi –II/ Sanskrit-II/ French-II	3	6		40	60	100
I Ye	II	Foundation Course	20UGEFC2002	English -II	3	6		40	60	100
ar - Se m es te r	III	Core Theory -II	22UCACT2002	Python Programming	4	4		40	60	100
		Core Practical-III	22UCACP2003	Python Lab	2		3	40	60	100
		Core Practical-IV	20UCACP2004	UNIX Lab	2		3	40	60	100
		Allied II	20UCAAT2002	Allied Mathematics-II	5	6		40	60	100





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	IV	Soft Skill II	20USSLC2002	Soft Skills - Essentials of Spoken and Presentation Skills	3	2		50	-	50
		Value Education(as Applicable)	20UESVE2001	Environmental Studies	2			50	-	50
		Value Education(as Applicable)	20UYGVE2002	Yoga and Wellness	2			50	-	50
	Total									750
	111	Core Theory -III	22UCACT3003	Programming in Kotlin	4	5		40	60	100
II		Core Theory - IV	20UCACT3004	Data Structures and algorithms	4	5		40	60	100
Ye ar		Core Theory -V	20UCACT3005	Computer Architecture	4	4		40	60	100
Se m		Core Practical-V	22UCACP3005	Kotlin Lab	2		4	40	60	100
es te		Core Practical-VI	20UCACP3006	Data structures Using C++ Lab	2		4	40	60	100
r III		Allied III	20UCAAT3003	Financial Accounting	5	6		40	60	100
	IV	NME I	20UCANE3001	Introduction to Cyber Security	2	2		50	-	50
	Total									650
	111	Core Theory -VI	23UCACT4006	Programming in Java	4	4		40	60	100
11		Core Theory -VII	20UCACT4007	Data Communication and Networking	4	5		40	60	100
Ye ar - Se m es te r		Core Theory -VIII	20UCACT4008	Relational Database Management System(RDBMS)	4	5		40	60	100
		Core Practical-VII	20UCACP4007	RDBMS Lab	2		4	40	60	100
		Core Practical-VIII	23UCACP4008	Java Programming Lab	2		4	40	60	100
		Allied IV	20UCAAT4004	Cost and Management Accounting	5	6		40	60	100





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	IV	NME II	20UCANE4002	Introduction to	2	2		50	_	50
	Total									650
III Ye ar - Se m	III	Core Theory -IX	23UCACT5009	Operating System	4	5		40	60	100
		Core Theory -X	20UCACT5010	Programming in PHP and MYSQL	4	5		40	60	100
		Core Theory -XI	20UCACT5011	Software Engineering and Testing	4	5		40	60	100
		Core Practical-IX	23UCACP5009	Accounting software and Data Analytics Lab	2		4	40	60	100
es te		Core Practical-X	20UCACP5010	PHP and MYSQL Lab	2		4	40	60	100
r V		Elective I – Theory Coursera	24UCAET5A01/ 24UCAET5B01	Data mining / Internet of Things	5	5		40	60	100
	IV	Skill Based Elective	23USSSB5LT3	Skill Based Elective – Spoken Tutorial LaTex	3	2		50	-	50
			•	Total	24					650
	111	Core Theory-XII	20UCACT6012	Web Technology	4	6		40	60	100
Ш		Core Practical-X1	20UCACP6011	Web Technology Lab	2		5	40	60	100
Ye ar		Core Practical-XII	22UCACP6012	Node.js Lab	2		5	40	60	100
Se m es te r VI		Elective II -Theory Coursera	24UCAET6A02/ 24UCAET6B02	Security in Information Technology /Computer Graphics	5	6		40	60	100
		Elective III - Project	20UCAPR6001	Mini Project	5		6	40	60	100
	IV	Skill Enhancement	23USSSE6CR4	Coursera	3	2		50	-	50
	V	Extra Curricular Activity	XSP	Sports	1			-	-	-
	Total				22					550





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- * Spoken Tutorial- LMS course offered from IIT Mumbai
- * Coursera- LMS course offered from Coursera

List of Electives:

- 1. Resource Management Techniques
- 2. Internet of Things
- 3. Artificial Intelligence
- 4. Security in Information Technology
- 5. Computer Graphics
- 6. Data Mining