

St. Peter's Institute of Higher Education and Research
(Deemed to be University)
Established Under Section 3 of UGC Act, 1956
Accredited with A+ Grade by NAAC in the Second Cycle
AVADI, Chennai – 600054

Curriculum framework for UG Program, FASCMH for the Academic Year 2025-2026

B.Sc. Information Technology and Cyber Security - Regulation 2025

Curriculum with Semester-Wise and Credits Distribution

Credit Framework

S. No.	Particulars	Credit (s)	Instruction hours	Remarks
01	Theory	1	14-15 h / semester	
02	Practical / Workshop	1	28-30 h / semester	
03	Tutorial	1	14-15 h / semester	
04	Experiential learning	1	45 / semester	
05	Skill courses	1	28-30 h / semester	
06	Internship / Apprenticeship	3.3	One month	(i.e.) 3 month internship can award 10 credits
07	Project	3.3	One month	(i.e.) 3 month project can award 10 credits

Course category and code for UG (FASCMH)

S. No.	Course category	Course Category Code	Credit(s) (Minimum)	
			3 year	4 year
01	Major (Core courses)	MCC	60	80
02	Minor (Allied subjects)	MNC	24	32
03	Multidisciplinary / Interdisciplinary	MDC	09	09
04	Ability Enhancement Course	AEC	08	08
05	Skill Enhancement Course	SEC	09	09
06	Value Added Course	VAC	10	10
07	Summer Internship	SIC	04	04
08	Research Project / Dissertation	RPC	00	12
Total			124	164

Curriculum B.Sc Computer Science Degree Program (2025-2026)
Semester-wise (UG)

Semester	Course Code	Title of the Course	Course Category	NCrF level	SDG Goal	Instruction Hours / week			Credit(s)	Marks		
						L	T	P		CIA	ESE	Total
I	25CBU121	Core 1: Introduction to Computers, Hardware and Networking with Lab	MCC	4.5	4, 8, 9	3	0	2	3	40	60	100
	25CBU101	Core 2: Cybercrimes and security	MCC		4, 8, 9	3	0	0	3	40	60	100
	25MAU106	Minor 1: Mathematics for AI	MNC		4	4	0	0	4	40	60	100
	25MGU109	Multidisciplinary Course 1: Management thoughts and Applications	MDC		9, 12	3	0	0	3	40	60	100
	25CPU104	SEC 1: Office Automation	SEC		4, 8	3	0	0	3	40	60	100
	25TAU151/ 25TEU151/ 25HIU151/ 25FRU151	Tamil-I/ Telegu-I/ Hindi -I/ Kannada - I / French - I	AEC		4, 10, 11	2	0	0	2	40	60	100
	25IKSU001	Introduction to Indian Knowledge Systems	VAC		4, 11, 12	2	0	0	2	40	60	100
Semester Total						20	0	2	20	280	420	700
II	25CBU221	Operating System with Lab	MCC	4.5	4, 9	3	0	2	3	40	60	100
	25CBU201	Cyber Crime and Law	MCC		4, 9	3	0	0	3	40	60	100
	25MAU206	Probability and Statistics	MNC		4	4	0	0	4	40	60	100
	25CBU202	Digital Literacy and Cyber Security	MDC		9, 16	4	0	0	4	40	60	100
	25ENU251	English-I	AEC		4, 10	2	0	0	2	40	60	100
	25EVSU201	Environmental Studies	VAC		6, 12, 13, 15	2	0	0	2	40	60	100
	25CBU281	Summer Internship	SIC		4, 8	0	0	0	2	-	-	100
Semester Total						18	0	2	20	240	360	700
III	25CBU321	Data Structures and Algorithms with Lab	MCC	5.0	4, 9	3	0	2	3	40	60	100
	25CBU301	Database Management and security with Lab	MCC		4, 9	3	0	2	3	40	60	100
	25MAU301	Discrete Mathematics	MNC		4	4	0	0	4	40	60	100
	25OECU003	Digital Technologies in Health (MDC)	MDC		3, 9	3	0	0	3	40	60	100
	25CPU301	Web Development with HTML/CSS	SEC		4, 8, 9	3	0	0	3	40	60	100
	25CPU302	Professional Communication Skills	AEC		4, 8	2	0	0	2	40	60	100
	25UHVU001	Universal Human Values (UHV)	VAC		4, 16	2	0	0	2	40	60	100
		NSS/Yogo/Sports	NCC		No credit							
Semester Total						20	0	4	20	280	420	700
IV	25CBU421	Programming in Java with Lab	MCC	5.0	4, 9	4	0	2	4	40	60	100
	25CPU422	Software Engineering Principles with Lab	MCC		4, 9	4	0	2	3	40	60	100
	25MAU401	Linear Algebra	MNC		4	4	0	0	4	40	60	100
	25CPU401	AI & Machine Learning Concepts	MCC		4, 9	4	0	0	4	40	60	100

	25CBU402	Structured Query Language	SEC		4, 8, 9	3	0	0	3	40	60	100
	25IKSU002	Ancient Indian Computational Thought	VAC		4, 11	2	0	0	2	40	60	100
	25CPU401	Career Development and Interview Skills	AEC		4, 11	2	0	0	2	40	60	100
Semester Total						23	0	4	23	280	420	700
V	25CBU521	Digital Forensics with Lab	MCC	5.5	4, 9	4	0	2	4	40	60	100
	25CBU501	Social Media Crimes	MCC		4, 9	4	0	2	4	40	60	100
	25CPU502	Entrepreneurship and Start-ups	MCC		8, 9	4	0	0	4	40	60	100
	25CPU503	Data Science and Statistics	MNC		4, 9	4	0	0	4	40	60	100
	25CBU581	Summer Internship	SIC		4,8	0	0	4	4	-	-	100
	25CBU591	Mini Project	RPP		4, 8	0	0	6	3	-	-	100
Semester Total						16	0	14	23	160	240	600
VI	25CPU601	Computer Architecture	MCC	5.5	4, 9	4	0	0	4	40	60	100
	25CPU621	Cloud Computing with Lab	MCC		9, 13	4	0	2	4	40	60	100
	25CPU602	Vulnerability Assessment and Penetration Testing with Lab	MCC		4, 9, 11	4	0	0	4	40	60	100
	25CPU603	Cyber Threat Intelligence	MNC		4, 9	4	0	0	4	40	60	100
	25CBU691	Major Project	RPC/ MCC		4, 8	4	0	0	4	-	-	100
Semester Total						20	0	2	20	160	240	500
VII	25CPU721	Web Technologies with Lab	MCC	6.0	4, 9	4	0	2	4	40	60	100
	25CBU701	Cryptography with Lab	MCC		4, 9	4	0	2	4	40	60	100
	25CPU701	Android Application Development	MCC		4, 9, 11	4	0	0	4	40	60	100
	25CPU703	Research Methodology	MCC		4, 9	4	0	0	4	40	60	100
	25CBU702	IoT Security	MNC		4, 8	4	0	0	4	40	60	100
Semester Total						20	0	4	20	200	300	500
VIII	25CPU821-A 25CPU821-B 25CPU821-C	Advanced Topics in AI with Lab Advanced Topics in ML with Lab Advanced Topics in Blockchain with Lab	MCC	6.0	4, 9, 16	3	0	2	3	40	60	100
	25CBU801	Cyber Law and IPR	MCC		9, 16	4	1	0	4	40	60	100
	25CPU804	Quantum Computer(SWYAM)	MNC		4,8	4	0	0	4	40	60	100
	25CBU891	Research Project	RPC		4, 9, 17	0	0	12	12	40	60	100
Semester Total						11	1	14	23	160	240	400