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CURRICULUM

	B.E CSE-CY	BER SECURITY		SE	EMES	TER	- I		REGULATIONS-2024			
S.No	Course Code	Course Title	CAT	Pe	riods	/ Weel	k	Credit	Maximum Marks			
				L	T	P	R	C	CA	FE	TOTAL	
Theo	ory			1							1	
1	241LEH103T	Professional English - I	HS	3	-	-	-	3	40	60	100	
2	241MAB103T	Matrices and Calculus	BS	3	2	-	-	4	40	60	100	
3	241PYB103T	Engineering Physics	BS	3	-	-	-	3	40	60	100	
4	241CYB103T	Engineering Chemistry	BS	3	-	-	-	3	40	60	100	
5	241GES101T	Programming in C	ES	3	-	-	-	3	40	60	100	
6	241LEH102T	Heritage of Tamils/தமிழர்மரபு	HS	1	-	-	-	1	40	60	100	
Labo	oratory											
7	241GEB111L	Physics & Chemistry Laboratory	BS	-	-	2		1	60	40	100	
8	241LEA112L	Communication Skills Laboratory	EEC	-	-	2	-	1	60	40	100	
9	241GES111L	Programming in C Laboratory	ES	-	-	3	1	2	60	40	100	
Man	datory Cours	e	•		•	•	•	•	•	•	•	
10	241GEM113L	IDEA Laboratory	MC	-	-	2	2	2	60	40	100	
11	241GEM112L	Induction Training*	MC	-	-	4	-	0				
		Total - 32 Periods		16	2	11	3	23				

^{*} As per AICTE Norms; Grade: Completed / Not Completed; Not Counted for CGPA



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CURRICULUM

	B.ECSE-CY	BER SECURITY		SI	EMES	STER	- II		REGUI	LATIO	NS-2024
S.No	Course Code	Course Title	САТ	P	Periods / Week Credit			Max	Maximum Marks		
5.110	course cour	Course Title		L	Т	P	R	С	CA	FE	TOTA L
Theo	ory										
1	24ILEH203T	Professional English - II	HS	3	-	-	-	3	40	60	100
2	241MAB201T	Linear Algebra and Numerical Methods	BS	3	2	-	-	4	40	60	100
3	241PYB201T	Physics for Information Science	BS	3	-	-	-	3	40	60	100
4	241GEB201T	Environmental Science for Computer Science Engineering	МС	2	-	-	-	2	40	60	100
5	241GES201T	Problem Solving Using Python	ES	3	-	-	-	3	40	60	100
6	241LEH202T	Tamik and Technology/ தமிழரும்தொழில் நுட்பமும்	HS	1	-	-	-	1	40	60	100
Labo	oratory								•		
7	241GES211L	Basic Electrical and Electronics Engineering Laboratory	ES	-	-	4	-	2	60	40	100
8	241GES214L	Problem Solving Using Python Laboratory	ES	-	-	3	1	2	60	40	100
9	241GES212L	Visualization of Design and Drawing Laboratory	ES	-	-	3	1	2	60	40	100
		Total - 29 Periods		15	2	10	2	22			



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CURRICULUM

	B.ECSE-CY	BER SECURITY		SE	MEST	ΓER -	REGULATIONS-2024					
	Course Code	Course Title	САТ	Po	eriods	/ We	ek	Credit	Maximum Marks			
S.No	course code	Course Title		L T P R		С	CA	FE	TOTA L			
Theo	ory			ı								
1	241MAB301T	Discrete Mathematics	BS	3	1	-	-	4	40	60	100	
2	241GES301J	Digital Principles And Computer Organization	ES	2	-	2	-	3	50	50	100	
3	241ITC301T	Data Structures And Algorithms	PC	3	-	-	-	3	40	60	100	
4	241GES302T	Object Oriented Programming	ES	3	-	-	-	3	40	60	100	
5	241GES303T	AI Essentials For Engineers	ES	3	-	-	-	3	40	60	100	
6	241ITC302J	Data Science Using Python	PC	2	-	2	-	3	50	50	100	
Labo	oratory											
7	241ITC311L	Data Structures And Algorithms Laboratory	PC	-	-	3	1	2	60	40	100	
8	241GES311L	Object Oriented Programming Laboratory	ES	-	-	3	1	2	60	40	100	
		Total - 29 Periods		16	1	10	2	23				



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CURRICULUM

	B.ECSE-CY	BER SECURITY		SE	MES'	TER	- IV		REGU	LATIO	NS-2024	
G N	Course Code	Course Title	CAT	P	eriods	s / We	ek	Credit	Ma	ximum I	ximum Marks	
S.No			L T P R		С	CA	FE	TOTA L				
Theo)ry	<u> </u>	<u> </u>									
1	241MAB401T	Probability And Statistics	BS	3	2	-	-	4	40	60	100	
2	241CBC403T	AI For Cyber Security	PC	3	-	-	-	3	40	60	100	
3	241CBC401T	Database Management Systems And Security	PC	3	-	-	-	3	40	60	100	
4	241CBC402T	Applied Cryptography And Cyber Security	PC	3	-	2	-	4	50	50	100	
5	241CSC404T	Operating Systems	PC	2	-	2	-	3	50	50	100	
Labor	ratory	I.									1	
6	241CBC411L	Database Management Systems And Security Laboratory	PC	-	-	4	-	2	60	40	100	
7	241CBC413T	AI For Cyber Security Laboratory	PC	-	-	3	1	2	60	40	100	
Mand	latory Course		•	•		•	•	•	•	•		
8	241GEM902T	Innovation and startup	MC	2	-	-	-	2	40	60	100	
	<u> </u>	Total 30 Periods		16	2	11	1	23				



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CURRICULUM

	B.ECSE-C	YBER SECURITY		SE	MES'	ГER	- V		REGU	LATI(ONS-2024
S.No	Course Code	Code Course Title		Periods / Week				Credit	Maximum Marks		
				L	T	P	R	С	CA	FE	TOTAL
Theo	ory					1				1	l
1	241CBC501T	Information security	PC	3	-	-	-	3	50	50	100
2	241CSC602T	Embedded Systems And IoT	PC	2	-	2	-	3	50	50	100
3	241CSC402T	Computer Networks	PC	3	-	-	-	3	40	60	100
4		Professional Elective I ^{\$}	PE	3	-	-	-	3	40	60	100
5		Professional Elective II \$	PE	3	-	-	-	3	40	60	100
6		Open Elective I ^{\$}	OE	3	-	-	-	3	40	60	100
		I	Labora	tory		ı	ı		1	•	
7	241CSC511L	Information security Laboratory	PC	-	-	3	1	2	60	40	100
8	241INM511I	Industry Supported Courses	EEC	-	-	2	-	1	60	40	100
Man	datory Cours	e	1	I .	1	<u>I</u>	<u>I</u>	l	1	-I	I
9	241GEM901T	Essence Of Indian Knowledge Tradition*	MC	2	-	-	-	-	40	60	100
	I .	Total - 27 Periods		19	-	7	1	21			

^{\$}Open Elective / Professional Elective courses (maximum of 3) can be dropped upon the Completion/Certification of NPTEL / SWAYAM online courses.

^{*} As per AICTE Norms, Grade: Completed / Not Completed; Not Counted for CGPA



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CURRICULUM

	B.ECSE-CY	BER SECURITY		SE	MEST	ΓER -	- VI		REGU	LATIO	ONS-2024
S.No	Course Code	Course Title	CAT	Pe	eriods	s / We	ek	Credit	Ma	ximum	Marks
				L	T	P	R	С	CA	FE	TOTAL
Theo	ory										<u> </u>
1	241CBC601T	Application of Cyber Forensics and Cyber Laws	PC	3	-	2	-	4	40	60	100
2	241CBC602T	Network Security	PC	3	-	-	-	3	40	60	100
3		Professional Elective III \$	PE	3	-	-	-	3	40	60	100
4		Professional Elective IV \$	PE	3	-	-	-	3	40	60	100
5		Open Elective II ^{\$}	OE	3	-	-	-	3	40	60	100
Labo	oratory		L				ı		l		
6	241INM611I	Industry Supported Courses	EEC	-	-	2	-	1	60	40	100
7	241CBC611L	Network Security Lab	PC	-	-	3	1	2	60	40	100
	1	Total - 24 Periods		15	-	7	2	19			

^{\$}Open Elective / Professional Elective courses (maximum of 3) can be dropped upon the Completion/Certification of NPTEL / SWAYAM online courses.



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CURRICULUM

	B.ECSE-CY	BER SECURITY		SEN	⁄IEST	ER -	VII		REGU	LATIO)NS-2024
S.No	Course Code	Course Title	САТ	Po	Periods / Week			Credit	t Maximum		Marks
				L	T	P	R	С	CA	FE	TOTAL
Theo	ory						l				I
1	241CBC701T	Vulnerability Assessment and Penetration Testing	PC	3	-	-	-	3	40	60	100
2	241MBH701T	Total Quality Management	HS	3	-	-	-	3	40	60	100
3		Professional Elective V ^{\$}	PE	3	-	-	-	3	40	60	100
4		Professional Elective VI ^{\$}	PE	3	-	-	-	3	40	60	100
5		Open Elective III ^{\$}	OE	3	-	-	-	3	40	60	100
Labo	oratory	,	I			I		l	I		•
6	241CBC711L	Vulnerability assessment and Penetration Testing Laboratory	PC	-	-	4	-	2	60	40	100
7	241INM711I	Industry Supported Courses	EEC	-	-	2	-	1	60	40	100
8	241CBP711L	Mini Project	EEC	-	-	2	2	2	60	40	100
9	241CBA711L	Internship*	EEC	-	-	-	-	2	60	40	100
		Total 25 Periods		15	-	8	2	22			

^{*}Internship Mark provided to COE at the end of Seventh Semester.

^{\$}Open Elective / Professional Elective courses (maximum of 3) can be dropped upon the Completion/Certification of NPTEL / SWAYAM online courses.



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CURRICULUM

	B.ECSE-CY	BER SECURITY		SEM	IEST	ER -	VIII		REGUI	NS-2024	
S.No	Course Code	Course Title	САТ	CAT Periods / Week Credit L T P R C				Maximum Marks			
								CA	FE	TOTAL	
Theo	ory		l	l	I	I		l			I
1	241CBP811L	Project Work / Startup	EEC	EEC 24 12				12	60	40	100
		Total 24 Periods		-	-	-	24	12			

		NAME O	F THE I	PROGRA	MME: B	E. CSE	– CYBEF	R SECUR	RITY		
S.NO	SUBJECT AREA			Total credits	% of Credits						
		I	П	III	IV	V	VI	VII	VIII		
1	HS	4	4					3		11	6.67
2	BS	11	7	4	4					26	15.76
3	ES	5	9	11						26	15.15
4	PC			8	17	11	9	5		50	30.30
5	PE					6	6	6		18	10.91
6	OE					3	3	3		9	5.45
7	EEC	1				1	1	5	12	20	12.12
8	MC	2	2		2					6	3.64
<u></u>	TOTAL	23	22	23	23	21	19	22	12	165	100

^{*} Total Credits in each semester must be in between 19 and 24.

^{*} Total Cumulative Credits must be in between 161 and 165.