ACADEMIC CURRICULA

UNDERGRADUATE INTEGRATED POST GRADUATE DEGREE PROGRAMMES

(With exit option of Diploma)

(Choice Based Flexible Credit System)

Regulations 2021

Volume - 1

(Revised on July 2024)



SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University u/s 3 of UGC Act, 1956)
Kattankulathur, Chengalpattu District 603203,
Tamil Nadu, India



SRM INSTITUTE OF SCIENCE AND TECHNOLOGY Kattankulathur, Chengalpattu District 603203, Tamil Nadu, India

21. B.Tech. in Computer Science and Engineering with Specialization in Blockchain Technology

21. (a) Mission of the Department

Mission Stmt – 1	To impart knowledge in cutting edge Computer Science and Engineering technologies in par with industrial standards.
Mission Stmt – 2	To collaborate with renowned academic institutions to uplift innovative research and development in Computer Science and Engineering and its allied fields to serve the needs of society
Mission Stmt – 3	To demonstrate strong communication skills and possess the ability to design computing systems individually as well as part of a multidisciplinary teams.
	To instill societal, safety, cultural, environmental, and ethical responsibilities in all professional activities
Mission Stmt – 5	To produce successful Computer Science and Engineering with specialization of block chain technology graduates with personal and professional responsibilities and commitment to lifelong learning

21. (b) Program Educational Objectives (PEO)

PEO – 1	Graduates will be able to perform in technical/managerial roles ranging from design, development, problem solving to production support in software industries and R&D sectors.								
PEO – 2	support in software industries and R&D sectors. PEO – 2 Graduates will be able to successfully pursue higher education in reputed institutions. Graduates will have the ability to adapt, contribute and innovate new technologies and systems in the key domains of Compus Science and Engineering.								
PEO-3	Graduates will have the ability to adapt, contribute and innovate new technologies and systems in the key domains of Computer Science and Engineering.								
PEO – 4	Graduates will be ethically and socially responsible solution providers and entrepreneurs in Computer Science and other engineering disciplines.								
PEO - 5	Graduates will possess the additional skills in Etherium, hyper ledger, business models and smart contracts								

21. (c) Mission of the Department to Program Educational Objectives (PEO) Mapping

	Mission Stmt 1	Mission Stmt 2 Mission Stmt 3	Mission Stmt 4	Mission Stmt 5
PEO - 1	3	COMPANY SERVICE AND ASSESSMENT OF MALE AND	少年5.	
PEO - 2	- FW. A	- 2 -	1 1 1 2 1 1 2 P	-
PEO - 3	- 17	3	2.61	
PEO - 4	- 1	TO THE STATE OF TH	2	
PEO - 5	24 1 2	11 (1) (1) (1) (1) (1) (1) (1) (1) (1) (-	3

^{3 -} High Correlation, 2 - Medium Correlation, 1 - Low Correlation

21. (d) Mapping Program Educational Objectives (PEO) to Program Outcomes (PO)

	1.	Program Outcomes (PO)												Program Speci		
	1	2	3	4	5	6	77	8	9	10	11	12	Outcomes (PSO)			
	Engineering Knowledge	Problem Analysis	D <mark>esig</mark> n/development of so <mark>l</mark> utions	Conduct investigations of complex problems	Modern Tool Usage	The engineer and society	Environment & Sustainability	Ethics	Individual & Team Work	Communication	Project Mgt. & Finance	Life Long Learning	PSO-1	Z-0Sd	PSO-3	
PEO - 1	3	Ĭ,		1	1	2	1	3	2	3		7.5	3	-	-	
PEO - 2	-	2	2		3		3	2				-	-	2	-	
PEO - 3	-	3	3	2					,	2	1	3	-	2	3	
PEO - 4	-	2	3	-	1	3	2	1	2	-	2	2	-	2	3	
PEO - 5	2	ı	-	3	3	2	ı	-	ı	-	1	-	-	1	3	

^{3 -} High Correlation, 2 - Medium Correlation, 1 - Low Correlation

PSO - Program Specific Outcomes (PSO)

130 - 110gi	am specific outcomes (150)
1 PSU - 1	To understand, analyze, design, and develop computing solutions by applying fundamental concepts of computer science and engineering.
PSO - 2	To apply computing principles, skills and practices to develop solutions using logical and reasoning skills, for real-life problems.
PSO - 3	To understand the concepts, technology and tools used in blockchain for implementing solutions to real-world problems.

21. (e) Program Structure: B.Tech. in Computer Science and Engineering with Specialization in Blockchain Technology

	Humanities & Social Sciences						Basic Science Courses (B)				
	including Management Courses (H)					Course	Course	Н	lours	:/	
Course	Course		lours			Code	Title	Week			
Code	Title	<u> </u>	Vee					L	T	P	С
241 EU101T	Communicative English	2	T	P 0			Calculus and Linear Algebra	3	1	0	4
21LEH1011 21LEH102T		2	1	U	3		Introduction to Computational Biology Advanced Calculus and Complex Analysis	3	0	0	2
21LEH103T							Transforms and Boundary Value		'		4
	German						Problems	3	1	0	4
21LEH105T		2	1	0	3		Chemistry	3	1	2	5
21LEH106T						240004024	Semiconductor Physics and	3	1	2	5
21LEH107T	Spanish						Computational Methods	3	1	2	o o
21LEH108T							Probability and Queueing Theory	3	1	0	4
	Philosophy of Engineering	1	0	2	2	21MAB302T	Discrete Mathematics	3	1	0	4
	Social Engineering	2	0	0	2		To	otal	Cre	dits	32
21GNH401T	Behavioral Psychology	2	1	0	3	4 3000					
		otal	Cre	dits	13						
	Engineering Science Courses (S)		-				Professional Core Courses (C)				
Course	Course		lours			Course	Course		lours		
Code	Title	<u> </u>	Vee			Code	Title	. \	Nee		_
21EES101T	Electrical and Electronics Engineering	3	T 1	P 0	C		1,000	L	T	Р	С
21EES1011 21MES101L1		0	0	4	2	21CSC101T	- Object Oriented Design and Programming	2	1	0	3
21MES101L		0	0	4	2	21CSC201J	Programming	3	0	2	4
21CSS101J	Programming for Problem Solving	3	0	2	4	21CSC2013		3	0	2	4
21CSS201T		3	1	0	4	21CSC203P		3	1	0	4
210002011	Architecture	"	,		,	21CSC204J	Design and Analysis of Algorithms	3	0	2	4
21DCS201P		1	2	0	3	21CSC205P		3	1	0	4
21CSS303T	Data Science	2	0	0	2	21CSC206T		2	1	0	3
	Т	otal	Cre	dits	21	21CSC301T		3	0	0	3
	# 12 mm 1 10 mm					21CSC302J		3	0	2	4
	Open Elective Courses (O)						Coffware Engineering and Drainet	2	0		2
	(Any 3 courses)			,		21CSC303J	Management	2	0	2	3
Course	Course		lours Wee			21CSC304J		2	0	2	3
Code	Title	_	T	Р	С	21CSC305T		3	0	0	3
21CSO351T	Web Programming	2	1	0	3		To	otal	Cre	dits	42
	Python Programming	2	1	0	3		/				
	Mobile Application Development	2	1	0	3		Non Credit Courses (M)				
21CSO354T		2	1	0	3	0	, ,	H	lour	s /	
	T	otal	Cre	dits	09	Course Code	Course Title		Wee	k	
				-		1		L	Т	Р	С
Project Wor	k, Seminar, Internship in Industry / Hig	her	Tec	hnic			Professional Skills and Practices	0	0	2	
	Institutions (P)	Ца	uro	1		21PDM102L	General Aptitude	0	0	2	
Course	Course		ours /eek			21PDM201L	Verbal Reasoning	0	0	2	0
Code	Title			P	С	21PDM202L	1 Critical and Creative Thinking Skills	0		2	
21GNP301L	¹ Community Connect		0	2	1		Analytical and Logical Thinking Skills	0	0	2	
21CSP302L			0	6		21PDM302L	1 Employability Skills and Practices 1 Environmental Science	0	0	2	0
21CSP303T			0	0	3		¹ Environmental Science ¹ Constitution of India	1	0	0	0
21CSP401L				30	15		Universal Human Values – Introduction	1	0	0	0
21CSP402L				20	10	21LEM1021		1	0	0	0
21CSP403L	Internship#	0	0	10	5		Universal Human Values-II		U	U	U
		otal (21LEM202T	Understanding Harmony and Ethica		1	0	3
							Human Conduct	Ι-			
						21LEM301T	Indian Art Form	1	0	0	0
							Indian Traditional Knowledge	1	0	0	0
							Physical and Mental Health using Yoga				
							National Service Scheme	0	0	2	0
							¹ National Cadet Corps		0	2	U
						21GNM104L	National Sports Organization	L	L		
							To	otal	Cre	dits	03

	Professional Elective Courses (E) (Any 8 Courses)					Professional Elective Courses (E)							
Course Code	Course Title	Ho W L 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Hours / Week			Course Code	Course Title		ours Veel				
Code	Title	L	Т	Ρ	С		1,00	L	Т	Р	С		
21CSE231T	Fundamentals of Blockchain	3	0	0	3	21CSE338T	Trust based computing	3	0	0	3		
21CSE232T	IoT and Blockchain	თ	0	0	3	21CSE431T	Building Private Blockchain	3	0	0	3		
21CSE233T	Distributed Systems and Applications	თ	0	0	3	21CSE432T	Blockchain Technology with Hyperledger	3	0	0	3		
21CSE234T	Principles of Cryptography	თ	0	0	3	21CSE433T	Blockchain Business Models	3	0	0	3		
21CSE331T	Cryptocurrencies and Blockchain Technology	3	0	0	3	21CSE434T	Distributed Ledger Technology Smart Contracts and Application	3	0	0	3		
21CSE332T	Fundamentals of Ethereum	3	0	0	3	21CSE435T	Development	3	0	0	3		
21CSE333T	Al and Blockchain	3	0	0	3	21CSE436T	Bitcoin Essentials and Use Cases	3	0	0	3		
21CSE334T	Container Management	ფ	0	0	3	21CSE437T	Decentralized Applications on Blockchain	3	0	0	3		
21CSE335T	Advanced Cryptography	3	0	0	3	21CSE438T	Web Security	3	0	0	3		
21CSE336T	Cloud Computing with Blockchain	ფ	0	0	3		T	otal	Cre	dits	24		
21CSE337T	Web3 Development	3	0	0	3								



21. (f) Programme Articulation: B.Tech. in Computer Science and Engineering with Specialization in Blockchain Technology

					F	rogra	ım Ou	tcome	s (PO)					PSO	
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
Course Code	Course Name	Engineering Knowledge	Problem Analysis	Design/development of solutions	Conduct investigations of complex problems	Modern Tool Usage	The engineer and society	Environment & Sustainability		ndividual & Team Work	nication	Agt. & Finance	Life Long Learning			
		Enginee	Problem	Design/c	Conduct	Modern	The eng	Environr	Ethics	Individua	Communication	Project Mgt.	Life Lon	PS0-1	PSO-2	PSO-3
21CSS101J	Programming for Problem Solving	2	3	-	-	-	-		-	-	-	-	2	-	3	-
21CSS303T	Data Science	-	-	-	-	-	-				-	-	-	1	1	-
21CSS201T	Computer Organization and Architecture	3	2	-		-	-	-		7.00		-	-	1	2	1
21CSC201J	Data Structures and Algorithms	2	3	3	1	- 1	-	-	-				-	1	1	2
	Object Oriented Design and Programming	-,1	2	_ 2	1.1	2	7-	4	-	-			3	-	2	2
	Design and Analysis of Algorithms	2	1	2	1	-	- J	4	Æ.,	-	3	-	3	3	1	-
	Operating Systems	3	3	3	2	-	-	4.	- /	-	-	-	3	2	-	-
210903031	Software Engineering and Project Management	-	3	2	-	-	-	-	4	2	A	2	Ţ	3	-	-
	Advanced Programming Practice	3	2	2	1	2	-	-		1	7			2	-	-
	Formal Language and Automata	2	2	2	137	-	-	-	-		T	.	-		3	-
	Computer Networks	3			2	- 3	-	-	-	_	Ŧ		-	1	-	-
	Database Management Systems	3	- 2	2			-	-	-		-	-	٦.	2	1	-
	Compiler Design	3	3	2	3	2		_	-	-	\ -		-	-	1	-
	Artificial Intelligence	1	2	3		- 1	45-7	-	-					1	2	_
	Blockchain using Cryptography	2	2	2		4.37	T	-	-		_	-		-		_
21CSE231T	Fundamentals of Blockchain	3	3	, ili	4.25	2	-		2	1.	-		-1	-	-	-
	IoT and Blockchain	3	3	2	2	1		-	F	7.27	-	-	4.	٠.	-	-
	Distributed Systems and Applications	2	-1	2	100				-	٠	-	-		ų -	-	3
	Principles of Cryptography	3	3	-	-	3	- 20	19.30	2	-	-	-			_	
21CSE331T	Cryptocurrencies and Blockchain Technology	2	2	2	4.	3		11.70	1			-	-	-	,	
	Fundamentals of Ethereum	_2	-1	2	1	1	-				-	-	-	-	-	
	Al and Blockchain	2	2	2	-	2	1.40	-4		-	-	-		-	-	-
	Container Management	-	2	1 -	-41	2	-	-	-	-	-		-	-	- 1	-
	Advanced Cryptography	-	3	2	1	2	-	-	-	-	-		- 1	-		-
	Cloud Computing with Blockchain	1	2	3	1-		-	-	-	-	-	_	-	-		3
	Web3 Development	2	1	3		2	-	-	-	-	7-	-		-	-	1
	Trust based Computing	3	3	14.7	2		-	-	-	-	-	af-	٧.	2	-	7 -
	Building Private Blockchain	-	2	0		2	-	-	-	7	7	/ -	-	1		-
	Blockchain Technology with Hyperledger	3	3	2	7.	3	-	-	-		-/	-	-	1	- ,	-
	Blockchain Business Models	3	3	-	2		1	-	-	-	2		-/	2	1	-
	Distributed Ledger Technology	3	3_	-	1- 1	2	-	-	-	-	١.	15	-	2	-	-
	Smart Contracts and Application Development	2	2	2	2	J.	-	J-F	Α	J.)	F	-/	j. 6"		1	•
	Bitcoin Essentials and Use Cases	1	3	-	-	2		-				-	-	-	-	-
	Decentralized Applications on Blockchain	3	3	2		2	-	-	-	-	7.		-	2	-	-
21CSE438T		3	3	3	3	3	-	2	2		2	-	-	-	-	-
21CSP302L		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21CSP303T		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Major Project	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Major Project	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
21CSP403L		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Program Average	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	3														J	

21. (g) Implementation Plan: B.Tech. in Computer Science and Engineering with Specialization in Blockchain Technology

F					Competer II							
	Semester – I				1		Semester – II				1	
Course	Course		ours			Course		lours				
Code	Title	_\	Vee		_	Code	Course Title	_\	Nee		_	
		L	Τ	Р	С			Į L	Τ	Р	С	
21LEH102T	Chinese					21LEH101T	Communicative English	2	1	0	3	
21LEH103T	French					21MAB102T	Advanced Calculus and Complex	3	1	0	4	
21LEH104T	German					ZTIVIADTUZT	Analysis	J	'	U	7	
21LEH105T	Japanese	2	1	0	3	21PYB102J	Semiconductor Physics and	3	1	2	5	
21LEH106T	Korean	1				ZIPYBIUZJ	Computational Methods	3	1		b	
21LEH107T	Spanish	1				21MES102L 1	Engineering Graphics and Design	0	0	4	2	
21LEH108T	Russian						Electrical and Electronics Engineering	3	1	0	4	
21GNH101J	Philosophy of Engineering	1	0	2	2		Object Oriented Design and		Ė	_	Ė	
21MAB101T	Calculus and Linear Algebra	3	1	0	4	21CSC101T	Programming	2	1	0	3	
21CYB101J		3	1	2	5	21CYM101T ¹	Environmental Science*	1	0	0	0	
	Chemistry					21PDM102L ¹	General Aptitude*	0	0	2	0	
21BTB102T	Introduction to Computational Biology	2	0	0	2			1			_	
21CSS101J	Programming for Problem Solving	3	0	2	4	21LEM101T ¹	Constitution of India	1	0	0	0	
21MES101L ¹	Basic Civil and Mechanical Workshop	0	0	4	2			otal	Cre	aits	21	
21PDM101L ¹	Professional Skills and Practices	0	0	2	0		Semester – IV					
21GNM101L 1	Physical and Mental Health using								Hou	rs /		
	Yoga					Course	Course		We			
21GNM102L 1	National Service Scheme	0	0	2	0	Code	Title	-	_ I T	_	С	
21GNM103L 1	National Cadet Corps					211110 P201T	Probability and Queueing Theory	- '	3 1		_	
21GNM104L ¹	National Sports Organization								3 0			
		otal	Cre	dite	22		Design and Analysis of Algorithms			_	_	
			010	aito			Database Management Systems		3 1			
	Semester – III						Artificial Intelligence		2 1	0	3	
Course	Course	Н	ours	:/		E	Professional Elective-I				3	
	Course	\	Veel	(21PDH209T ¹	Social Engineering		2 0			
Code	Title	L	Т	Р	С	21PDM202L ¹	Critical and Creative Thinking Skills	(0 0	2	0	
0444450045	Transforms and Boundary Value		,				Universal Human Values-II:					
21MAB201T	Problems	3	1	0	4	21LEM202T 1	Understanding Harmony and Ethical	1	2 1	0	3	
21DCS201P 1	Design Thinking and Methodology	1	2	0	3		Human Conduct					
	Computer Organization and		_	0				Tota	l Cre	dits	23	
21CSS201T	Architecture	3	1	0	4							
21CSC201J	Data Structures and Algorithms	3	0	2	4		Semester – VI					
21CSC202J	Operating Systems	3	0	2	4			F	lours	:/		
		_	1		4	Course	Course		Wee			
21CSC203P 1	Advanced Programming Practice	3	•	0		Code	Title		T	Р	С	
21LEM201T ¹	Professional Ethics	1	0	0	0	21CSS303T	Data Science	2	0	0	2	
21PDM201L ¹	Verbal Reasoning	0	0	2	0		Software Engineering and Project		U	0		
	T	otal	Cre	dits	23	21CSC303J		2	0	2	3	
	Semester – V						Management	-		_	_	
	Semester – v	Ш	ours	. 1		21CSC304J	Compiler Design	2	0	2	3	
Course	Course			-		Ε	Professional Elective – III				3	
Code	Title		Vee			Ε	Professional Elective – IV				3	
			Τ			0	Open Elective – II				3	
21MAB302T	Discrete Mathematics	3	1	0	4	21CSP302L 1	Project	0	0	6	2	
21CSC301T	Formal Language and Automata	3	0	0	3	21CSP303T 1	MOOC	3	0	0	3	
21CSC302J	Computer Networks	3	0	2	4		Employability Skills and Practices	0	0	2	0	
21CSC305T	Blockchain using Cryptography	3	0	0	3	21LEM302T ¹	Indian Traditional Knowledge	1	0	0	0	
Е	Professional Elective – II				3			[otal	_	dits	_	
	i rorodororiai Erodivo II								J. C	4113		
0	Open Elective – I				3			Olai				
0	Open Elective – I	0	0	2	3			Olai				
O 21GNP301L ¹	Open Elective – I Community Connect	0	0	2	1		Semester - VIII		nire	/		
O 21GNP301L ¹ 21PDM301L ¹	Open Elective – I Community Connect Analytical and Logical Thinking Skills	0 0 1	0	2	1	Course	Semester - VIII Course	Н	ours			
O 21GNP301L ¹	Open Elective – I Community Connect Analytical and Logical Thinking Skills Indian Art Form	0	0	2 0	1 0 0	Codo	Semester - VIII	Н	Veek			
O 21GNP301L ¹ 21PDM301L ¹	Open Elective – I Community Connect Analytical and Logical Thinking Skills Indian Art Form		0	2 0	1 0 0	Code	Semester - VIII Course Title	Ho W L	Veek T	P	C 15	
O 21GNP301L ¹ 21PDM301L ¹	Open Elective – I Community Connect Analytical and Logical Thinking Skills Indian Art Form	0	0	2 0	1 0 0	Code 21CSP401L	Semester - VIII Course Title Major Project	Ho V L	Veek T 0	P 30	15	
O 21GNP301L ¹ 21PDM301L ¹ 21LEM301T ¹	Open Elective – I Community Connect Analytical and Logical Thinking Skills Indian Art Form T Semester – VII	0 1 otal	0	2 0 dits	1 0 0	Code 21CSP401L 21CSP402L	Semester - VIII Course Title Major Project Major Project	Ho W L 0	T 0 0	P 30 20	15 10	
O 21GNP301L ¹ 21PDM301L ¹ 21LEM301T ¹ Course	Open Elective – I Community Connect Analytical and Logical Thinking Skills Indian Art Form T Semester – VII Course	0 1 otal	0 0 Cre	2 0 dits	1 0 0	Code 21CSP401L	Semester - VIII Course Title Major Project Major Project Internship#	Ho V L 0 0	Veek T 0 0 0	P 30 20 10	15 10 5	
O 21GNP301L ¹ 21PDM301L ¹ 21LEM301T ¹	Open Elective – I Community Connect Analytical and Logical Thinking Skills Indian Art Form T Semester – VII	0 1 otal	0 Cre	2 0 dits	1 0 0 21	Code 21CSP401L 21CSP402L	Semester - VIII Course Title Major Project Major Project Internship#	Ho W L 0	Veek T 0 0 0	P 30 20 10	15 10 5	
O 21GNP301L ¹ 21PDM301L ¹ 21LEM301T ¹ Course Code	Open Elective – I Community Connect Analytical and Logical Thinking Skills Indian Art Form T Semester – VII Course Title	0 1 otal	0 0 Cre	2 0 dits	1 0 0 21	Code 21CSP401L 21CSP402L 21CSP403L	Semester - VIII Course Title Major Project Major Project Internship#	Ho V L 0 0 0	Veek T 0 0 0 Crec	P 30 20 10 dits	15 10 5	
O 21GNP301L ¹ 21PDM301L ¹ 21LEM301T ¹ Course Code 21GNH401T E	Open Elective – I Community Connect Analytical and Logical Thinking Skills Indian Art Form T Semester – VII Course Title Behavioral Psychology	0 1 otal	0 Cre	2 0 dits	1 0 0 21 C	Code 21CSP401L 21CSP402L 21CSP403L	Semester - VIII Course Title Major Project Major Project Internship#	Ho V L 0 0 0	Veek T 0 0 0 Crec	P 30 20 10 dits	15 10 5	
O 21GNP301L ¹ 21PDM301L ¹ 21LEM301T ¹ Course Code 21GNH401T E	Open Elective – I Community Connect Analytical and Logical Thinking Skills Indian Art Form T Semester – VII Course Title Behavioral Psychology Professional Elective – V	0 1 otal	0 0 Cre	2 0 dits	1 0 0 21 C 3	Code 21CSP401L 21CSP402L 21CSP403L #Students have	Semester - VIII Course Title Major Project Major Project Internship#	Ho V L 0 0 0	Veek T 0 0 0 Crec	P 30 20 10 dits	15 10 5	
O 21GNP301L ¹ 21PDM301L ¹ 21LEM301T ¹ Course Code 21GNH401T E E F	Open Elective – I Community Connect Analytical and Logical Thinking Skills Indian Art Form T Semester – VII Course Title Behavioral Psychology Professional Elective – V Professional Elective – VI	0 1 otal	0 0 Cre	2 0 dits	1 0 0 21 C 3 3	Code 21CSP401L 21CSP402L 21CSP403L #Students have	Semester - VIII Course Title Major Project Major Project Internship# T to register either 21CSP401L or 21CSP	Ho V L 0 0 0	Veek T 0 0 0 Crec	P 30 20 10 dits	15 10 5	
O 21GNP301L 1 21PDM301L 1 21LEM301T 1 Course Code 21GNH401T E E F E F	Open Elective – I Community Connect Analytical and Logical Thinking Skills Indian Art Form T Semester – VII Course Title Behavioral Psychology Professional Elective – V Professional Elective – VI Professional Elective – VII	0 1 otal	0 0 Cre	2 0 dits	1 0 0 21 C 3 3 3 3	Code 21CSP401L 21CSP402L 21CSP403L #Students have	Semester - VIII Course Title Major Project Major Project Internship# T to register either 21CSP401L or 21CSP	Ho V L 0 0 0	Veek T 0 0 0 Crec	P 30 20 10 dits	15 10 5	
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