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

20. B.Tech. in Computer Science and Engineering with Specialization in Big Data Analytics

20. (a) Mission of the Department

Mission Stmt – 1	To impart knowledge in cutting edge Computer Science and Engineering technologies in par with industrial standards.
IVIISSION SUNC - Z	ΙΕπαίηροτιπα απά τις αμίρα τίριας το ςοπίο της ποράς οτ ςοπίρτι
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.
Mission Stmt – 4	To instill societal, safety, cultural, environmental, and ethical responsibilities in all professional activities
Mission Stmt – 5	To produce successful Big Data Analytics graduates with personal and professional responsibilities and commitment to lifelong learning

20. (b) Program Educational Objectives (PEO)

PEO – 1	Graduates will be able to demonstrate their knowledge in technical/managerial roles with right skills and aptitude in software industries and R&D sectors
PEO – 2	Graduates will possess the proficiencies and additional skills in core computer science and engineering discipline in par with industry requirements.
PEO – 3	Graduates will be able to successfully pursue higher education in reputed institutions and also extend their research career.
PEO – 4	Graduates will be self-empowered solution providers and entrepreneurs in Computer Science and Engineering
PEO – 5	Graduates will possess the ability to adapt, contribute and innovate new technologies and systems in the key domains of Big Data Analytics

20. (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	The state of the	The second	definition of	1
P <mark>EO</mark> - 2			2		-
PEO - 3		3	3	100	
PEO - 4	- 1977	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Lating the same of	2	3
PEO - 5		3	3	2	3

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

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

	1	٦			Pro	gram Ou	tcomes (PO)	- 8		7	المستحر	Prog	gra <mark>m Spe</mark>	ecific
	1	2	3	4	5	6	7	8	9	10	11	12	Outo	comes (F	PSO)
	Engineering Knowledge	Problem Analysis	Design/development of solutions	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	PSO-2	PSO-3
PEO - 1	3		_ ~ .	1	1	2		3	2	3			3	3	3
PEO - 2	-	2	2	7	3	-	3	2	-10		-	-	3	3	3
PEO - 3	-	3	3	2	-	-			-	2	-	3	3	3	3
PEO - 4	-	2	3	-	1	3	2	-	2	-	2	2	3	3	3
PEO - 5	3	1	-	-	3	3	1	2	-	3	3	3	3	3	3

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

PSO - Program Specific Outcomes (PSO)

100 1106	rum opeeme outcomes (100)
1 250-1	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.
DS(1) = 3	Ability to understand the requirements, gather a large amount of data, analyze, utilize the tools to extract insights to increase the productivity and efficiency of the business along with better visual representations.

20. (e) Program Structure: B.Tech. in Computer Science and Engineering with Specialization in Big Data Analytics

	Humanities & Social Sciences						Basic Science Courses (B)				
	including Management Courses (H)					Course	Course	Н	lours	1	
Course	Course		ours			Course	Course Title	١	Neel		
Code	Title	_\	Veel		_			L	T	<u>P</u>	C
211 EU101T	Communicative English	2	T 1	P 0			Calculus and Linear Algebra Introduction to Computational Biology	2	0	0	2
21LEH1011			1	U	J		Advanced Calculus and Complex Analysis	3	1	0	4
21LEH103T							Transforms and Boundary Value Problems		1	0	4
21LEH104T						21CYB101J		3	1	2	5
21LEH105T		2	1	0	3		Semiconductor Physics and		,		
21LEH106T							Computational Methods	3	1	2	5
21LEH107T	Spanish						Probability and Statistics	3	1	0	4
21LEH108T						21MAB302T	Discrete Mathematics	3	1	0	4
	Philosophy of Engineering	1	0	2	2		Т	otal	Cre	dits	32
	Social Engineering	2	0	0	2						
21GNH401T	Behavioral Psychology	2	1	0	3	A 400 M					
		otal	Cre	dits	13						
	Engineering Science Courses (S)				1		Professional Core Courses (C)				
Course	Course		ours			Course	Course		ours		
Code	Title	_ \	Veel	_		Code	Title	, \	Veel		_
24000404	I Donorom in the Double or Coldina	L	Τ	Р	C		Ohio de Onio ado d Donios and	L	Т	Р	С
21CSS101. 21MES101L		3 0	0	2	2	21CSC101T	Object Oriented Design and Programming	2	1	0	3
21MES101L 21MES102L		0	0	4	2	21CSC201J		3	0	2	4
21EES1017		3	1	0	4	21CSC2013		3	0	2	4
21CSS2027		3	2	0	5		Advanced Object Oriented				
21DCS201P		1	2	0	3	21CSC206P	Programming	2	1	0	3
21CSS3017		1	1	0	2	21CSC204J	Design and Analysis of Algorithms	3	0	2	4
		otal	Cre	dits		21CSC205P		3	1	0	4
			3		11	21CSC206T		2	1	0	3
	Open Elective Courses (O)					21CSC3017		3	0	0	3
	(Any 3 courses)					21CSC302J		3	0	2	4
Course	Course		ours			21CSC303J	Software Engineering and Project	2	0	2	3
Code	Title	_\	<u>Neel</u>				мападетепт		0		
040000555	Marabina I armina fan All	L	1	Р	C	21CSC304J 21CSC307P		2	0	0	3
	Machine Learning for All Convolutional Neural Networks	2	1	0	3	21030307P			Cre		-
	Foundation	2	1	0	3			Jiai	J16(4113	71
	Data Visualization Basics	2	1	0	3		Non Credit Courses (M)		la	. 1	
	Deep Learning Foundation	3	0	0	3	Course	Course		lours Wee		
				dits		Code	Title	1	T	k P	С
						21PDM101I	Professional Skills and Practices	0	0	2	J
Project Wo	ork, Seminar, Internship in Industry / Hig	her	Tecl	hnic	al		General Aptitude	0	0	2	
	Institutions (P)					21PDM201L	¹ Verbal Reasoning	0	0	2	_
Course	Course	Но	urs	/		21PDM202L	1 Critical and Creative Thinking Skills	0	0	2	0
Course	Course Title	W	/eek				Analytical and Logical Thinking Skills	0	0	2	
				Р	С		¹ Employability Skills and Practices	0	0	2	
	Community Connect	_		2	1		1 Environmental Science	1	0	0	0
21CSP302L 1			0	6	3		1 Constitution of India	1	0	0	0
21CSP303T 1			-	0		21LEM102T		1	0	0	0
	Major Project			30 20	15 10	21LEM201T		1	0	0	0
21CSP402L 21CSP403L	Major Project	_	_	20 10	5	21LEM202T	Universal Human Values-II: Understanding Harmony and Ethical	2	1	0	3
2103P403L		-	-	lits		ZILEWIZUZI	Human Conduct	2	1	U	3
	10	, tai	J1 C	4113	13	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
							National Cadet Corps	U	U	2	U
						21GNM104L	National Sports Organization				
							Т	otal	Cre	dits	03
						•					

	Professional Elective Courses (E) (Any 8 Courses)						Professional Elective Courses (E)				
Course Code	Course Title		ours Veel		С	Course Code	Course Title		lours Veel		С
21CSF222T	Big Data Tools and Techniques	3	0	0	3	21CSF421T	Business Intelligence and Analytics	2	1	0	3
	Computer Architecture	3	0	0	3		Convolutional Neural Networks	2	1	0	3
21CSE253T	Internet of Things	2	1	0	3	21CSE423T	Big Data Visualization	2	1	0	3
21CSE251T	Digital Image Processing	3	0	0	3	21CSE424T	Deep Learning for Data Analytics	2	1	0	3
21CSE321T	Data Warehousing and Data Mining	2	1	0	3	21CSE425T	Advanced Machine Learning	2	1	0	3
21CSE322T	Multivariate Techniques for Data Analytics	2	1	0	3		Financial Machine Learning Augmented and Virtual Reality	2	1	0	თ თ
21CSE323T	Marketing Analytics	2	1	0	3	21CSE428T	Healthcare Analytics	2	1	0	3
21CSE356T	Natural Language Processing	2	1	0	3	21CSE429T	Data Science for Internet of Things	2	1	0	3
21CSE359T	Information Storage and Management	2	1	0	3	21CSE430T	Automatic Speech Recognition	2	1	0	3
21CSE325T	Applied Social Network Analysis	2	1	0	3	21CSE447T	Robot Motion Planning	2	1	0	3
21CSE326T	Artificial Neural Networks	3	0	0	3	21CSE448T	Bio-inspired Computing and Fuzzy Logic	2	1	0	3
	Cloud Computing for Data Analytics	2	1	0	3	21CSE449T	Risk Analytics	2	1	0	3
21CSE373T	Streaming Analytics	2	1	0	3		T	otal	Cred	dits	24



20. (f) Programme Articulation: B.Tech. in Computer Science and Engineering with Specialization in Big Data Analytics

					P	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	<mark>Modern</mark> Tool Usage	The engineer and society	Environment & Sustainability	Ethics	ndividual & Team Work	Communication	Project Mgt. & Finance	Life Long Learning	PSO-1	PSO-2	PSO-3
241 EU102T	Chinaga	ш	Pr	<u> </u>	28	M	4	Ē	Et	lης		P	_	87	9	9
21LEH102T 21LEH103T	Chinese								-		3		3			
21LEH1031 21LEH104T								_	_	÷	3		3			
	Japanese	-		1							3		3			
21LEH106T				-			1				3		3			
21LEH107T					- 1		9.				3		3			
	Philosophy of Engineering	3	2	3	3	3	2	3	2	3	3	4	3			
	Calculus and Linear Algebra	3	3	Ŭ		Ů			7				Ů			
21CYB101J		3	3	3	2	3				7	4		L		L	
	Introduction to Computational Biology	3	3	2	1	3					~					
	Programming for Problem Solving	2	3	17.	150		-	-	-	-	7	P.	2		3	
	Basic Civil and Mechanical Workshop	3		6-3	E . 1	1		3			1		2			
21PDM101L	Professional Skills and Practices	1	čia.	200		7	T * .			3	3	f	3			
	Physical and Mental Health using Yoga	- 3	2	2	3	3	3	3	3	3	3	<u>.</u>	3			
	National Service Scheme	Š		=			3	3		3						
	National Cadet Corps	100					3		3	3		7				
	Communicative English		7.		1				F	2	3		7			
	Advanced Calculus and Complex Analysis	3	3	CV_{ij}	98				7	100						
ZIPYBIUZJ	Semiconductor Physics and Computational Methods	3	3	3	1112	Ľ	X.	4/2	4		3			Ì		
	Engineering Graphics and Design	2 -		200		3		100			3		2			
	Electrical and Electronics Engineering	3	2							- 64						
	Object Oriented Design and Programming	-	2	2	_	2	-		127	-	-	-	3	-	2	2
	Environmental Science	3	3			4	1,80	3		3				ė.		
	General Aptitude		3	L						3	3	_	3			
	Constitution of India			nr.			3					-	3			
	Data Structures and Algorithms	2	3	3	1	-	-	-	-	-	-	-		1	1	2
	Fundamentals of Data Science	•	0	0	0						7	-		0		
	Operating Systems	3	3	3	2	-	-	-	-	- 1		<i>f</i> -	3	2	-	-
	Advanced Object Oriented Programming	0	2	0	-						2		2	2	1	
	Design and Analysis of Algorithms	2	1	2	1	-	-	-	-	-	3	-	3	3	1	-
	Database Management Systems	3	2	3	-	-	_	-		-		-		2	1 2	-
	Artificial Intelligence	2	2	2	1	-1)	-	Ė	-	Ť	÷	-		1	3	-
	Formal Language and Automata Computer Networks	-3		- 2	2	3	-	-	-1	Ð	-			1	3	-
	Machine Learning for Data Analytics	J				J		_			۲.			2	2	2
	Full Stack Development													2	1	2
	Software Engineering and Project														,	
	Management Management	-	3	2	-	-	-	-		2	-	2	-	3	-	-
	Compiler Design	3	3	2	3	2	-					-	-	-	1	-
	Computer Architecture	3	2	1				, 10								
	Big Data Tools and Techniques	4				1	100							1		
21CSE253T	Internet of Things	2	2	1	3	1	2									
	Digital Image Processing	3	2	2	3	-	-	-	-	-	-	-	-	2	3	-
	Data Warehousing and Data Mining													2	2	
21CSE322T	Multivariate Techniques for Data Analytics													2	2	2
21CSE323T	Marketing Analytics								3		3			2	2	1
21CSE356T	Natural Language Processing	3	3	2	3	3	-	-	-		-			2		
21CSE359T	Information Storage and Management	-	3	3	-	1	-	-	-	-	-	-		1	2	-
	Streaming Analytics	2	2		2	2										
	Applied Social Network Analysis													2	2	2
21CSE326T	Artificial Neural Networks													2	2	2
	Cloud Computing for Data Analytics													1	2	2
21CSE421T	Business Intelligence and Analytics								3		3			2	2	2
													_		_	

					P	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	Ethics	ndividual & Team Work	Sommunication	Project Mgt. & Finance	Life Long Learning	PSO-1	PSO-2	PSO-3
21CSE422T	Convolutional Neural Networks	_		_ ,	-						Ĭ	_	_	2	2	2
21CSE423T	Big Data Visualization										3			2	2	2
21CSE424T	Deep Learning for Data Analytics	44				7 1	Т ш		1					2	2	2
	Advanced Machine Learning							70,						2	2	2
21CSE426T	Financial Machine Learning								77					2	2	2
21CSE427T	Augmented and Virtual Reality									- 4				2	2	2
21CSE428T	Healthcare Analytics									-				2	1	2
21CSE429T	Data Science for Internet of Things	7.		11.	1		7	1		-				2	2	2
21CSE430T	Automatic Speech Recognition												-	2	2	2
21CSE447T	Robot Motion Planning							4		4		L .		2	2	2
21CSE448T	Bio-inspired Computing and Fuzzy Logic								7.	7		7		2	1	2
21CSE449T	Risk Analytics									_	4			1	2	2
21CSO3 <u>55T</u>	Machine Learning for All		Ť						1		-	-		2	2	
21CSO356T	Convolutional Neural Networks Foundation				7.0									2	2	2
21CS <mark>O357T</mark>	Data Visualization Basics	۲.		- 1	<u>ان با</u>	- 3					-			1	2	
21CSO451T	Deep Learning Foundation	100	200	250		-								2	2	
	Data Science	1,75	190	7	-7						1	<u></u>	4	1	1	
2 <mark>1CSP302</mark> L	Project	2 -	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	MOOC	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21CSP401L	Major Project	3	3	3	3	3	3	3	3	- 3	3	3	3	3	3	3
21CSP402L	Major Project	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
21CSP403L	Internship	3	3	3	3	3	3	3	3	3	- 3	3	3	3	3	3
	Program Average						181	172	47							



20. (g) Implementation Plan: B.Tech. in Computer Science and Engineering with Specialization in Big Data Analytics

	Semester – I						Semester – II				
Course		Н	lours	s /		Course		H	lour	s/	
Course Code	Course Title	١	Nee		Į	Course Code	Course Title		Wee	k]
	Title	L	Τ	Р	С	Code		L	T	Р	С
21LEH102T	Chinese					21LEH101T	Communicative English	2	1	0	3
21LEH103T	French					21MAB102T	Advanced Calculus and Complex	3	1	0	4
21LEH104T	German					ZTWADTOZT	Analysis	J		Ů	7
21LEH105T	Japanese	2	1	0	3	21PYB102J	Semiconductor Physics and	3	1	2	5
21LEH106T	Korean	_					Computational Methods				
21LEH107T	Spanish					21MES102L 1		0	0	4	2
21LEH108T	Russian					21EES101T	Electrical and Electronics Engineering	3	1	0	4
21GNH101J	Philosophy of Engineering	1	0	2	2	21CSC101T	Object Oriented Design and	2	1	0	3
21MAB101T	Calculus and Linear Algebra	3	1	0	4		Programming		Ľ	Ţ	
21CYB101J	Chemistry	3	1	2	5	21CYM101T 1	Environmental Science*	1	0	0	0
21BTB102T	Introduction to Computational Biology	2	0	0	2	21PDM102L 1		0	0	2	0
21CSS101J	Programming for Problem Solving	3	0	2	4	21LEM101T ¹	Constitution of India	1	0	0	0
21MES101L		0	0	4	2			Total	Cre	dits	21
21PDM101L		0	0	2	0		Semester – IV				
21GNM101L	Physical and Mental Health using					Cauraa	Cauran		Ηοι	ırs /	
	roga					Course Code	Course Title		We	ek	
21GNM102L		0	0	2	0		riue		L 1	ГР	С
21GNM103L						21MAB301T	Probability and Statistics		3 1	1 0	4
21GNM104L	National Sports Organization					21CSC204.J	Design and Analysis of Algorithms		3 () 2	4
	T ₁	otal	Cre	dits	22	21CSC205P 1	Database Management Systems		3 1	1 0	4
	Semester – III				-		Artificial Intelligence		2 1	1 0	3
	Semester – III	П	lours	. /	1	Ε	Professional Elective-I				3
Course	Course		Wee			21PDH209T 1	Social Engineering		2 (0 0	2
Code	Title		T	Р	С		Critical and Creative Thinking Skills		0 () 2	0
	Transforms and Boundary Value	┢					Universal Human Values-II: Understand	ina			
21MAB201T	Problems	3	1	0	4	21LEM202T 1	Harmony and Ethical Human Conduct	٠	2 1	1 0	3
21DCS201P		1	2	0	3		-	Tota	l Cr	edits	s 23
21CSS202T	Fundamentals of Data Science	3	2	0	5	5 1 64	130 NEW 1				
21CSC201J	Data Structures and Algorithms	3	0	2	4	42	2011 1 Mag 1 Mg				
210002010					7					_	
	Operating Systems	1 3	n	2	1		Compoter VI				
21CSC202J	Operating Systems Advanced Object Oriented	3	0	2	4		Semester – VI		المالمال	2/	
	Advanced Object Oriented	2	1	0	3	Course	Semester – VI Course		Hour		
21CSC202J 21CSC206P	Advanced Object Oriented Programming	2	1	0	3	Course Code			Wee	k	
21CSC202J 21CSC206P 21LEM201T	Advanced Object Oriented Programming Professional Ethics*	2	1	0	3	Code	Course Title	L	Wee	k P	C
21CSC202J 21CSC206P	Advanced Object Oriented Programming Professional Ethics* Verbal Reasoning*	2 1 0	1 0 0	0 0 2	3 0 0	Code 21CSS301T	Course Title Full Stack Development	L 1	Wee	P 0	2
21CSC202J 21CSC206P 21LEM201T	Advanced Object Oriented Programming Professional Ethics* Verbal Reasoning*	2	1 0 0	0 0 2	3 0 0	Code	Course Title Full Stack Development Software Engineering and Project	L	Wee	k P	
21CSC202J 21CSC206P 21LEM201T	Advanced Object Oriented Programming Professional Ethics* Verbal Reasoning*	2 1 0	1 0 0 Cre	0 0 2 dits	3 0 0	Code 21CSS301T 21CSC303J	Course Title Full Stack Development Software Engineering and Project Management	L 1	Wee	P 0 2	3
21CSC202J 21CSC206P 21LEM201T	Advanced Object Oriented Programming Professional Ethics* Verbal Reasoning*	2 1 0 otal	1 0 0 Cre	0 0 2 dits	3 0 0	Code 21CSS301T 21CSC303J 21CSC304J	Course Title Full Stack Development Software Engineering and Project Management Compiler Design	L 1	Wee	P 0	3
21CSC202J 21CSC206P 21LEM201T 21PDM201L	Advanced Object Oriented Programming Professional Ethics* Verbal Reasoning* Semester – V	2 1 0 otal	1 0 0 Cre	0 2 dits	3 0 0 23	Code 21CSS301T 21CSC303J 21CSC304J E	Course Title Full Stack Development Software Engineering and Project Management Compiler Design Professional Elective – III	L 1	Wee	P 0 2	2 3 3 3
21CSC202J 21CSC206P 21LEM201T 21PDM201L Course Code	Advanced Object Oriented Programming Professional Ethics* Verbal Reasoning* T Semester – V Course Title	2 1 0 Total	1 0 0 Cre	0 0 2 dits	3 0 0 23	Code 21CSS301T 21CSC303J 21CSC304J E E	Course Title Full Stack Development Software Engineering and Project Management Compiler Design Professional Elective – III Professional Elective – IV	L 1	Wee	P 0 2	2 3 3 3 3
21CSC202J 21CSC206P 21LEM201T 21PDM201L Course Code 21MAB302T	Advanced Object Oriented Programming Professional Ethics* Verbal Reasoning* Semester – V Course Title Discrete Mathematics	2 1 0 Total	1 0 0 Cre lours Nee T	0 2 dits	3 0 0 23 C	Code 21CSS301T 21CSC303J 21CSC304J E E O	Course Title Full Stack Development Software Engineering and Project Management Compiler Design Professional Elective – III Professional Elective – IV Open Elective – II	L 1 2	Wee T 1 0 0 0	P 0 2 2 2	2 3 3 3 3
21CSC202J 21CSC206P 21LEM201T 21PDM201L Course Code 21MAB302T 21CSC301T	Advanced Object Oriented Programming Professional Ethics* Verbal Reasoning* Semester – V Course Title Discrete Mathematics Formal Language and Automata	2 1 0 otal	1 0 0 Cre lours Nee T 1 0	0 2 dits k P 0	3 0 0 23 C 4 3	Code 21CSS301T 21CSC303J 21CSC304J E E O 21CSP302L1	Course Title Full Stack Development Software Engineering and Project Management Compiler Design Professional Elective – III Professional Elective – IV Open Elective – II Project	L 1 2 2 0	Wee T 1 0 0 0 0 0	P 0 2 2 2 6	2 3 3 3 3
21CSC202J 21CSC206P 21LEM201T 21PDM201L Course Code 21MAB302T 21CSC301T 21CSC302J	Advanced Object Oriented Programming Professional Ethics* Verbal Reasoning* Semester – V Course Title Discrete Mathematics Formal Language and Automata Computer Networks	2 1 0 otal	1 0 0 0 Cre Nee T 1 0 0 0	0 0 2 dits 8 k P 0 0 2	3 0 0 23 C 4 3	Code 21CSS301T 21CSC303J 21CSC304J E E O 21CSP302L 21CSP303T	Course Title Full Stack Development Software Engineering and Project Management Compiler Design Professional Elective – III Professional Elective – IV Open Elective – II Project MOOC	L 1 2 2 0 0 3	Wee T 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 2 2 2 6 6 0	2 3 3 3 3 3
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