ACADEMIC CURRICULA

UNDERGRADUATE DEGREE PROGRAMMES

Bachelor of Technology

(B.Tech. - Four Years)

(Choice Based Flexible Credit System)

Regulations 2018

Volume - 1

(Revised in March 2019)



SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University u/s 3 of UGC Act, 1956)

Kattankulathur, Kancheepuram District 603203, Tamil Nadu, India



15. B.Tech. in Computer Science and Engineering with Specialization in Computer Networking

15. (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
IVIISSION SUNC- 2	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
IVIISSION SUNC-3	multidisciplinary teams.
Mission Stmt - 4	To instill societal, safety, cultural, environmental, and ethical responsibilities in all professional activities
Mission Stmt - 5	To produce successful Computer Science and Engineering graduates with personal and professional responsibilities and commitment
IVIISSION SUNC- 3	to lifelong learning

15. (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	Graduates will be able to successfully pursue higher education in reputed institutions.
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 skills to design and maintain computer and communication systems
PEO - 6	Graduates will have the ability to develop tools incorporating the skills acquired in computer networking and its related domains.

15. (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	H	Н	H	Н	Н
PEO - 2	- L	H	H	Н	Н
PEO - 3	H	H	M	The Later of the L	H
PEO - 4	M	Н	M	Н	H
PEO - 5 PEO - 6	H	Н	Н	Н	Н
PEO - 6	Н	H	H	H	H

H - High Correlation, M - Medium Correlation, L - Low Correlation

15. (d) Mapping Program Educational Objectives (PEO) to Program Learning Outcomes (PLO)

						Progra	am Lear	ning Ou	tcomes	(PLO)					
		177			Gra	aduate At	tributes (0	GA)						gra <mark>m S</mark> pe comes (P	
	Engineering Knowledge	Problem Analysis	Design & Development	Analysis, Design, Research	Modern Tool Usage	Society & Culture	Environment & Sustainability	Ethics	Individual & Team Work	Communication	Project Mgt. & Finance	Life Long Learning	PSO - 1	PSO - 2	PSO - 3
PEO - 1	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н
PEO - 2	Н	Н	Н	Н	Н	L	L	Н	L	Н	L	Н	Н	Н	Н
PEO - 3	Н	Н	Н	Н	Н	L	L	L	L	L	Н	Н	Н	Н	Н
PEO - 4	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н
PEO - 5	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н
PEO - 6	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н

H – High Correlation, M – Medium Correlation, L – Low Correlation

PSO -	Program	Specific	Outcomes	(PSO)
100-	TIOPIAIII	SUCCITIC	Outcomes	$\mathbf{u} \cup \mathbf{u}$

PSO - 1	Ability to Utilize Hardware / Core Computer Science Principles
PSO - 2	Ability to Create Software & Programming
PSO - 3	Ability to Develop systems

15. (e) Program Structure: B.Tech. in Computer Science and Engineering with Specialization in Computer Networking

	Lomputer Networking											
	1. Humanities & Social Sciences							2. Basic Science Courses (B)	T			
Course	including Management Courses (H) Course	Ног	ırs/ W	look			Course	Course	Hou	rs/ W	-	_
Code	Title	L	T	P	4	С	Code	Title	L	T 1	Р	<u>C</u>
18LEH101J		2	0	2		3	18CYB103J	Physics: Semiconductor Physics	3	1	2	5
18LEH101J (U		-	J		Calculus and Linear Algebra	3	1	0	4
18LEH103J H								Advanced Calculus and Complex Analysis	3	1	0	4
18LEH104J		2	0	2		3		Transforms and Boundary Value Problems	3	1	0	4
18LEH105J		-	0	_	Ι.	0		Probability and Queueing Theory	3	1	0	4
18LEH106J H				i	i			Discrete Mathematics for Engineers	3	1	0	4
	General Aptitude	0	0	2		1	18BTB101T		2	0	0	2
	Management Principles for Engineers	2	0	0		2	TOBIBIUIT	Total Learning Credits	2	U	U	32
18PDH103T	Social Engineering	1	0	2		2		Total Learning Credits				JZ
	Employability Skills & Practices	0	0	2		1		4. Professional Core Courses (C)				
TOT DITEOTI	Total Learning Credits		·	_	+	12	Course	Course	Ноп	rs/ W	look	
							li		-	_		_
	3. Engineering Science Courses (S)						Code	Title	L	Τ	Р	С
Course	Course	Ног	ırs/ W	look				Data Structures and Algorithms	3	0	2	4
Code	Title	L	T	P	۱,	С		Object Oriented Design and Programming	3	0	2	4
	Engineering Graphics and Design	1	0	4		3		Computer Organization and Architecture	3	0	2	4
	Basic Electrical and Electronics Engineering	3	1	2		5		Design and Analysis of Algorithms	3	0	2	4
	Civil and Mechanical Engineering Workshop	1	0	4		3		Operating Systems	3	0	2	4
	Programming for Problem Solving	3	0	4		<u>3</u> 5	18CSC206J	Software Engineering and Project Management	3	0	2	4
	Analog and Digital Electronics	3	0	2		4		Advanced Programming Practice	3	0	2	4
	Computer Communications	2	0	2		3	18CSC3011	Formal Language and Automata	3	0	0	3
100332023	Total Learning Credits		U			23	18CSC302J	Computer Networks	3	0	2	4
	Total Learning Credits		_					Database Management Systems	3	0	2	4
								Compiler Design	3	0	2	4
	5. Professional Elective Courses (E)							Artificial Intelligence	3	0	2	4
	(Any 6 Elective Courses)							Comprehension	0	1	0	1
Course	Course	Но	urs/	Wee	ek		18CSC208L	Competitive Professional Skills-I	0	0	2	1
Code	Title	L	Τ	Ρ		С		Competitive Professional Skills-II	0	0	2	1
18CSE375T I	Distributed Computing	3	0	0)	3	18CSC307L	Competitive Professional Skills-III	0	0	2	1
18CSE356T I	Distributed Operating Systems	3	0	0	(3		Total Learning Credits				51
18CSE376T (Optical Networks	3	0	0	(3						
	Data Centric Networks	3	0	0		3		6. Open Elective Courses (O)				
18CSE378T	Principles of Cloud Computing	3	0	0		3	Course	Course	Hou	rs/ W		
	Internet of Things	3	0	0		3	Code	Title	L	Τ	Р	С
	Pervasive Computing	3	0	0		3		IT Infrastructure Management	3	0	0	3
	Wireless Sensor Networks	3	0	0		3		Mobile Application Development	3	0	0	3
	Network Protocols and Programming	3	0	0		3	18CSO103T	System Modeling and Simulation	3	0	0	3
	Network Routing Algorithms	3	0	0		3	18CSO104T	Free and Open Source Softwares	3	0	0	3
18CSE454T	High Performance Computing	3	0	0		3	18CSO105T	Android Development	3	0	0	3
	Software Defined Networks	3	0	0		3		Data Analysis using Open Source Tool	3	0	0	3
	Wireless and Mobile Communication	3	0	0		3			3	0	0	3
	Network Design and Management	3	0	0		3	180301071	IOS Development	3	U	U	
18CSE459T 3	Service Oriented Architecture	3	0	0)	3		Total Learning Credits				12
	Total Learning Credits					18						
	71, 173					Ť		7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P)				
		-		1	+		Course	Course	Hou	rs/ W		
	8. Mandatory Courses (M)		1 -				Code	Title	L	Τ	Р	С
Code	Course Title	L	Т			С		Massive Open Online Course - I				
	Professional Skills and Practices	0	0	2	2	0		Industrial Training-I	0	0	2	1
	Competencies in Social Skills	0	0	2	2	0	18CSP103L					
	Entrepreneurial Skill Development	Ů	J		1	_		Massive Open Online Course - II				
	Critical and Creative Thinking Skills	0	0	2	2	0		Industrial Training-II	0	0	2	1
18PDM204L	Business Basics for Entrepreneurs	Ů	U		1	,		Seminar - II				
	Analytical and Logical Thinking Skills	0	0	2	2	0		Minor Project	0	0	6	3
	Entrepreneurship Management							Internship (4-6 weeks)	U	U	U	J
	Constitution of India	1	0	0	-	0	18CSP109L		0	0	20	10
	Value Education	1	0			0	18CSP110L	Semester Internship	U	U	20	
	Physical and Mental Health using Yoga	0	0	2	2	0		Total Learning Credits				15
18GNM102L												
18GNM103L		0	0	2	2	0		8. Mandatory Courses (M)				
	NSO		L	L	Д		Course	Course	Hou	rs/ W	/eek	
18GNM104L I					1 .	^			_	_	7	С
18GNM104L I	Indian Traditional Knowledge	1	0	0		0	Code	Title	L	Τ	Р	
18GNM104L I	Indian Traditional Knowledge	1	0	U		U		Title Indian Art Form	D 0	0		0
18GNM104L I	Indian Traditional Knowledge	1	0	U		U	18LEM110L		0 1		2	

15. (f) Program Articulation: B.Tech. in Computer Science and Engineering with Specialization in Computer Networking

				Р	rog	ram	Lea	arni	ng (Outo	com	es (PL(D)		
						Grad						,			PSO	
Course Code	Course Name	Engineering Knowledge	Problem Analysis	Design & Development	Analysis, Design, Research	Modern Tool Usage	Society & Culture	Environment & Sustainability	Ethics	Individual & Team Work	Communication	Project Mgt. & Finance	Life Long Learning	PSO - 1	PSO - 2	PSO - 3
18CSS101J	Programming for Problem Solving	Н	Н	М	М	Н	L	L	М	Н	М	L	Н	L	Н	Н
18CSC201J	Data Structures and Algorithms	Н	Н	Н	Н	М	L	L	М	Н	М	М	Н	L	Н	Н
	Object Oriented Design and Programming	Н	Н	Н	Н	Н	М	L	М	Н	Н	М	Н	L	Н	Н
	Computer Organization and Architecture	Н	М	Н	М	L	L	L	М	L	L	L	М	Н	М	М
	Design and Analysis of Algorithms	Н	Н	Н	Н	М	М	L	М	М	М	М	Н	L	Н	Н
	Operating Systems	Н	Н	Н	Н	Н	М	L	М	Н	М	М	Н	Н	Н	М
	Software Engineering and Project Management	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	 H	1	Н	М
	Advanced Programming Practice	Н	Н	М	М	Н	L	L	М	Н	М	L	Н	L	Н	Н
	Formal Language and Automata	Н	Н	Н	Н	Ĺ	L	L	L	М	M	L	Н	Н	Н	Н
	Computer Networks	Н	Н	Н	Н	Н	М	L	М	Н	M	М	Н	Н	Н	М
100303023	Database Management Systems	Н	Н	Н	Н	Н	M	L	M	Н	M	M	Н	Н	Н	M
	Compiler Design	Н	Н	Н	Н	М	L	L	L	М	M	L	Н	Н	Н	Н
	Artificial Intelligence	Н	Н	Н	Н	M	M	L	L	M	M	L	Н	Н	Н	Н
	Competitive Professional Skills-I	Н	Н	Н	Н	Н	L	L	М	Н	Н	М	Н	Н	Н	Н
	Competitive Professional Skills-II	Н	Н	Н	Н	Н	L	Ĺ	М	Н	Н	М	Н	Н	Н	Н
	Competitive Professional Skills-III	Н	Н	Н	Н	Н	L	L	М	Н	Н	M	Н	Н	Н	Н
	Distributed Computing	Н	Н.	Н	Н	Н	М	М	M	H	М	М	Н	Н	Н	Н
	Distributed Operating Systems	Н	Н	Н	Н	Н	М	L	М	Н	М	М	Н	Н	Н	Н
	Optical Networks	Н	Н	Н	Н	Н	М	M	М	Н	Н	М	Н	Н	Н	Н
	Data Centric Networks	Н	Н	Н	Н	Н	М	М	М	Н	Н	М	Н	Н	Н	Н
18CSE378T	Principles of Cloud Computing	Н	Н	Н	Н	Н	М	М	Н	Н	Н	М	Н	Н	Н	Н
18CSE379T	Internet of Things	Н	Н	Н	Н	Н	M	М	Н	Н	Н	М	Н	Н	Н	Н
18CSE380T	Pervasive Computing	Н	Н	Н	Н	Н	М	М	Н	Н	Н	М	Н	Н	Н	Н
18CSE451T	Wireless Sensor Networks	Н	Н	Н	Н	М	М	М	М	М	Н	L	Н	Н	Н	Н
18CSE452T	Network Protocols and Programming	Н	Н	Н	Н	М	Μ	М	М	М	Н	L	Н	Н	Н	Н
	Network Routing Algorithms	Н	Н	Н	Н	М	М	М	М	М	Н	L	Н	Н	Н	Н
	High Performance Computing	Н	Н	Н	Н	Н	L	L	М	Н	Н	L	Н	Н	Н	Н
	Software Defined Networks	Н	Н	Н	Н	Н	М	М	М	М	Н	М	Н	Н	Н	Н
	Wireless and Mobile Communication	Н	Н	Н	Н	М	Н	Н	Н	М	Н	М	Н	Н	Н	Н
	Network Design and Management	Н	Н	Н	Н	М	М	М	М	М	Н	L	Н	Н	Н	Н
	Service Oriented Architecture	М	Н	Н	Н	Н	М	М	М	М	Н	М	Н	Н	H	Н
	Massive Open Online Course - I	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
18CSP102L	Industrial Training-I	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
18CSP103L		Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
18CSP104L	Massive Open Online Course - II	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
18CSP105L	Industrial Training-II	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
18CSP106L	Seminar - II	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
18CSP107L	Minor Project	·H	Н	Н	Н	Н	М	М	Н	Н	Н	Н	Н	Н	М	М
18CSP108L	Internship (4-6 weeks)	Н	Н	Н	Н	Н	М	М	Н	Н	Н	Н	Н	Н	М	М
	Project	Н	Н	Н	Н	Н	М	М	Н	Н	Н	Н	Н	Н	М	М
18CSP110L	Semester Internship	Н	Н	Н	Н	Н	М	М	Н	Н	Н	Н	Н	Н	М	М
.300/ 1/02	Program Average	Н	Н	М	Н	М	L	М	L	М	М	М	H	М	M	M
	i iogrami <mark>Average</mark>	П	П	IVI	П	IVI	L	IVI	L	IVI	IVI	IVI	П	IVI	IVI	IVI

15. (g) Implementation Plan: B.Tech. in Computer Science and Engineering with Specialization in Computer Networking

Code 18LEH101J 18MAB101T	^ ' '					1					
18LEH101J	Semester - I	1			ı		Semester - II	I			
	Course Title	Hou	ırs/ V	Veek P	С	Code	Course Title	Hou L	urs/V	Veek P	С
18MAB101T		2	0	2	3		Chinese / French / German / Japanese/ Korean		0	2	3
	Calculus and Linear Algebra	3	1	0	4		Advanced Calculus and Complex Analysis	3	1	0	4
	Physics: Semiconductor Physics	3	1	2	5	18CYB101J		3	1	2	5
	Engineering Graphics and Design	1	0	4	3		Programming for Problem Solving	3	0	4	5
	Basic Electrical and Electronics Engineering	3	1	2	5		Civil and Mechanical Engineering Workshop	1	0	4	3
	Professional Skills and Practices	0	0	2	0		General Aptitude	0	0	2	1
	Constitution of India	1	0	0	0		Value Education	1	0	1	0
18GNM101L	Physical and Mental Health using Yoga	0	0	2	0	18GNM102L					
	Total Learning Credits	i			20	18GNM103L		0	0	2	0
						18GNM104L					
							Total Learning Credits				21
	Semester - III	li.	/ 1 -	W- !	ı	-	Semester - IV	ю		V- '	
Code	Course Title	Hou	rs/V	Veek P	С	Code	Course Title	Hou	urs/V	Veek P	С
18MAB201T	Transforms and Boundary Value Problems	3	1	0	4	18MAB204T	Probability and Queueing Theory	3	1	0	4
18BTB101T		2	0	0	2		Computer Communications	2	0	2	3
	Analog and Digital Electronics	3	0	2	4		Design and Analysis of Algorithms	3	0	2	4
18CSC201J	Data Structures and Algorithms	3	0	2	4		Operating Systems	3	0	2	4
18CSC202J	Object Oriented Design and Programming	3	0	2	4	18CSC206J	Software Engineering and Project	3	0	2	4
18CSC203J	Computer Organization and Architecture	3	0	2	4		Management	3	U	2	4
	Management Principles for Engineers	2	0	0	2	18CSC208L	Competitive Professional Skills-I	0	0	2	1
	Competencies in Social Skills		_	_	_		Advanced Programming Practice	3	0	2	4
18PDM203L	Entrepreneurial Skill Development	0	0	2	0	18PDH103T	Social Engineering	2	0	0	2
	Total Learning Credits				24	18PDM202L	Critical and Creative Thinking Skills				
							Business Basics for Entrepreneurs	0	0	2	0
								-	0	_	0
						18CYM1011	Environmental Science Total Learning Credits	7	10	0	
	Semester - V					18CYM1011		1	0	0	26
Code	Semester - V Course Title	Hou	urs/V		С	Code	Total Learning Credits	Hou	urs/ V	Veek	
	Course Title	L	Т	Р		Code	Total Learning Credits Semester - VI Course Title	L	urs/ V	Veek	26 C
18MAB302T	Course Title Discrete Mathematics for Engineers	L 3	T	P 0	4	Code 18CSC303J	Total Learning Credits Semester - VI Course Title Database Management Systems	L 3	urs/ V	Veek P 2	26 C
18MAB302T 18CSC301T	Course Title Discrete Mathematics for Engineers Formal Language and Automata	3 3	T 1	P 0 0	4	Code 18CSC303J 18CSC304J	Total Learning Credits Semester - VI Course Title Database Management Systems Compiler Design	3 3	urs/V	Veek P 2 2	C 4 4
18MAB302T 18CSC301T 18CSC302J	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks	3 3 3	T 1 0	P 0 0 2	4 3 4	Code 18CSC303J 18CSC304J 18CSC305J	Total Learning Credits Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence	3 3 3	T 0 0 0	Veek P 2 2 2 2	C 4 4 4
18MAB302T 18CSC301T 18CSC302J 18CSC306L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II	3 3 3 0	T 1 0 0	P 0 0 2 2	4 3 4 1	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T	Total Learning Credits Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension	3 3 3 0	T 0 0 0 1	Veek P 2 2 2 0	C 4 4 1
18MAB302T 18CSC301T 18CSC302J 18CSC306L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1	3 3 3 0	T 1 0 0 0	P 0 0 2 2 2 0	4 3 4 1 3	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T	Total Learning Credits Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III	3 3 3 0 0	T 0 0 0 0 1 1 0	Veek P 2 2 2 0 2	C 4 4 1 1 1
18MAB302T 18CSC301T 18CSC302J 18CSC306L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2	3 3 3 0 3 3	T 1 0 0 0 0	P 0 0 2 2 2 0 0 0	4 3 4 1 3 3	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T	Total Learning Credits Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective – 3	L 3 3 0 0 0 3	T 0 0 0 1 1 0 0 0	Veek P 2 2 2 0 2 0 2 0	C 4 4 1 1 1 3
18MAB302T 18CSC301T 18CSC302J 18CSC306L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1	3 3 3 0	T 1 0 0 0	P 0 0 2 2 2 0	4 3 4 1 3	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective – 3 Professional Elective – 4	L 3 3 0 0 0 3 3	Urs/ V T 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 0 0 2 0 0 0	C 4 4 1 1 3 3 3
18MAB302T 18CSC301T 18CSC302J 18CSC306L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I	L 3 3 0 3 3 3 3	T 1 0 0 0 0 0	P 0 0 2 2 0 0	4 3 4 1 3 3 3	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective – 3 Professional Elective – 4 Open Elective – 2	L 3 3 0 0 0 3	T 0 0 0 1 1 0 0 0	Veek P 2 2 2 0 2 0 2 0	C 4 4 1 1 1 3
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I	3 3 3 0 3 3	T 1 0 0 0 0	P 0 0 2 2 2 0 0 0	4 3 4 1 3 3	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective – 3 Professional Elective – 4 Open Elective – 2 Massive Open Online Course - II	L 3 3 0 0 0 3 3 3	0 0 0 1 0 0	Veek P 2 2 2 0 0 0 0 0	C 4 4 4 1 1 3 3 3 3 3
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I	L 3 3 0 3 3 3 3	T 1 0 0 0 0 0	P 0 0 2 2 0 0	4 3 4 1 3 3 3	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L	Total Learning Credits Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective - 3 Professional Elective - 4 Open Elective - 2 Massive Open Online Course - II Industrial Training-II	L 3 3 0 0 0 3 3	Urs/ V T 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 0 0 2 0 0 0	C 4 4 1 1 3 3 3
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18CP103L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills	L 3 3 0 3 3 3 3	T 1 0 0 0 0 0	P 0 0 2 2 0 0	4 3 4 1 3 3 3	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L 18CSP104L 18CSP105L 18CSP106L	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective – 3 Professional Elective – 4 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II	L 3 3 0 0 0 3 3 3 0	0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2	C 4 4 4 4 1 1 1 3 3 3 3 3 1 1
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM302L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management	3 3 0 3 3 3 3	T 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 2 2 2 0 0 0 0 2 2 2 2 2 2 2 2 2 2	4 3 4 1 3 3 3 1	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective – 3 Professional Elective – 4 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices	3 3 0 0 0 3 3 3 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 2 2 2 2 2 2	C 4 4 4 1 1 3 3 3 3 1 1 1 1
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM302L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Traditional Knowledge	L 3 3 0 3 3 3 3 0 0	T 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 2 2 2 0 0	4 3 4 1 3 3 3 1	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective – 3 Professional Elective – 4 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Art Form	L 3 3 0 0 0 3 3 3 0	0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2	C 4 4 4 1 1 3 3 3 3 1 1 1 0 0
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM302L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management	L 3 3 0 3 3 3 3 0 0	T 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 2 2 2 0 0 0 0 2 2 2 2 2 2 2 2 2 2	4 3 4 1 3 3 3 1	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective – 3 Professional Elective – 4 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices	3 3 0 0 0 3 3 3 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 2 2 2 2 2 2	C 4 4 4 1 1 3 3 3 3 3 1 1 1 0 0
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM302L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Traditional Knowledge Total Learning Credits	L 3 3 0 3 3 3 3 0 0	T 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 2 2 2 0 0 0 0 2 2 2 2 2 2 2 2 2 2	4 3 4 1 3 3 3 1	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective – 3 Professional Elective – 4 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits	3 3 0 0 0 3 3 3 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 2 2 2 2 2 2	C 4 4 4 1 1 3 3 3 3 1 1 1 1
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM302L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Traditional Knowledge	L 3 3 3 0 3 3 3 0 0	T 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 3 4 1 3 3 3 1 0 0 22	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L 18CSP106L 18CSP105L 18CSP106L 18PDH201T 18LEM110L	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective - 3 Professional Elective - 4 Open Elective - 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits Semester - VIII	L 3 3 0 0 0 3 3 3 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2	26 C 4 4 4 1 1 3 3 3 1 1 0 25
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM301L 18LEM109T	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Traditional Knowledge Total Learning Credits Semester - VII Course Title	3 3 3 0 3 3 3 3 0 0 1 1	T 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 2 2 2 0 0 0 0 2 2 2 2 2 2 2 2 2 2	4 3 4 1 3 3 3 1	Code 18CSC303J 18CSC305J 18CSC305J 18CSC307L 18CSP104L 18CSP105L 18CPH201T 18LEM110L Code	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective – 3 Professional Elective – 4 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits	L 3 3 0 0 0 3 3 3 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 2 2 2 2 2 2	C 4 4 4 1 1 3 3 3 3 3 1 1 1 0 0
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM301L 18LEM109T	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Traditional Knowledge Total Learning Credits Semester - VII	L 3 3 3 0 3 3 3 0 0 1 1	T 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 3 4 1 3 3 3 1 0 0 22	Code 18CSC303J 18CSC305J 18CSC305J 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T 18LEM110L Code	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective - 3 Professional Elective - 4 Open Elective - 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits Semester - VIII	3 3 0 0 3 3 3 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 P Veek P P	26 C 4 4 4 1 1 3 3 3 1 1 0 25
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSC306L 18CSP101L 18CSP103L 18CSP103L 18PDM301L 18PDM301L 18LEM109T	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Traditional Knowledge Total Learning Credits Semester - VII Course Title	3 3 3 0 3 3 3 3 0 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 3 4 1 1 3 3 3 3 1	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T 18LEM110L Code 18CSP109L	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Compension Competitive Professional Skills-III Professional Elective - 3 Professional Elective - 4 Open Elective - 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits Semester - VIII Course Title	L 3 3 0 0 0 3 3 3 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 P Veek P P	26 C 4 4 4 1 1 3 3 3 1 1 0 25
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM302L 18LEM109T	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Traditional Knowledge Total Learning Credits Semester - VII Course Title Professional Elective – 5 Professional Elective – 6 Open Elective – 3	L 3 3 3 0 3 3 3 0 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 3 4 1 1 3 3 3 3 1 0 0 22	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T 18LEM110L Code 18CSP109L	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective - 3 Professional Elective - 4 Open Elective - 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits Semester - VIII Course Title	3 3 0 0 3 3 3 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 P Veek P P	26 4 4 4 1 1 3 3 3 1 1 0 25
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM302L 18LEM109T	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Traditional Knowledge Total Learning Credits Semester - VII Course Title Professional Elective – 5 Professional Elective – 6	L 3 3 3 0 0 3 3 3 3 0 0 1 1 Hou L 3 3 3 3	0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 3 4 1 3 3 3 3 1 0 0 0 22	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T 18LEM110L Code 18CSP109L	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective - 3 Professional Elective - 4 Open Elective - 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits Semester - VIII Course Title	3 3 0 0 3 3 3 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 P Veek P P	C 4 4 4 1 1 1 3 3 3 3 3 1 1 0 25
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18CPM301L 18PDM301L 18PDM301L 18PDM301L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Traditional Knowledge Total Learning Credits Semester - VII Course Title Professional Elective – 5 Professional Elective – 6 Open Elective – 3 Minor Project	L 3 3 0 3 3 3 3 3 4 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 3 4 1 3 3 3 3 1 0 0 22	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T 18LEM110L Code 18CSP109L	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective - 3 Professional Elective - 4 Open Elective - 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits Semester - VIII Course Title	3 3 0 0 3 3 3 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 P Veek P P	C 4 4 4 1 1 1 3 3 3 3 1 1 0 25
18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18CPM301L 18PDM301L 18PDM301L 18PDM301L	Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Traditional Knowledge Total Learning Credits Semester - VII Course Title Professional Elective – 5 Professional Elective – 6 Open Elective – 3	L 3 3 3 0 0 1 1 Hou L 3 3 3 3 0 0	0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 3 4 1 3 3 3 3 1 0 0 0 22	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T 18LEM110L Code 18CSP109L	Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective - 3 Professional Elective - 4 Open Elective - 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits Semester - VIII Course Title	3 3 0 0 3 3 3 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 P Veek P P	C 4 4 4 1 1 1 3 3 3 3 1 1 0 25