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



14. B.Tech. in Computer Science and Engineering with Specialization in Cloud Computing

14. (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

14. (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 computing systems based on Cloud computing.
PEO - 6	Graduates will have the ability to develop tools incorporating the skills acquired in cloud computing domain.

14. (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	Н	Н	H	Н	Н
PEO - 2	- L	H	H	Н	Н
PEO - 3	Н	Н	M	L	Н
PEO - 4	M	Н	M	Н	Н
PEO - 5 PEO - 6	Н	Н	Н	Н	Н
PEO - 6	Н	Н	Н	Н	Н

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

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

						Progra	am Lear	ning Ou	tcomes	(PLO)					
		W	133		Gra	aduate At	tributes (0	GA)				7	Prog Out	gra <mark>m S</mark> pe comes (P	cific (SO)
	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	H	Н	H	H	H	H	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

14. (e) Program Structure: B.Tech. in Computer Science and Engineering with Specialization in Cloud Computing

	Sioua Compania										
	1. Humanities & Social Sciences						2. Basic Science Courses (B)				
	including Management Courses (H)	1				Course	Course		ırs/ W		
Course	Course	_	ırs/ W		_	Code	Title	L	T	Р	С
Code	Title	L	T	Р	C		Physics: Semiconductor Physics	3	1	2	5
18LEH101J	- 2	2	0	2	3	18CYB101J		3	1	2	5
18LEH102J		4				18MAB101T	Calculus and Linear Algebra	3	1	0	4
18LEH103J							Advanced Calculus and Complex Analysis	3	1	0	4
18LEH104J		2	0	2	3		Transforms and Boundary Value Problems	3	1	0	4
18LEH105J		1					Probability and Queueing Theory	3	1	0	4
18LEH106J							Discrete Mathematics for Engineers	3	1	0	4
	General Aptitude	0	0	2	1	18BTB101T		2	0	0	2
18PDH1021	Management Principles for Engineers	2	0	0	2		Total Learning Credits	,			32
	Social Engineering	2	0	0	2						
18PDH2011	Employability Skills & Practices	0	0	2	1	<u> </u>	4. Professional Core Courses (C)				
	Total Learning Credits				12	Course	Course	Hou	ırs/ W		ı
	0.5					Code	Title	L	Τ	Р	С
	3. Engineering Science Courses (S)	1				18CSC201J	Data Structures and Algorithms	3	0	2	4
Course	Course	Hou	ırs/ W		_	18CSC202J	Object Oriented Design and Programming	3	0	2	4
Code	Title	L	T	Р	С	18CSC203J	Computer Organization and Architecture	3	0	2	4
18MES101L	Engineering Graphics and Design	1	0	4	3	18CSC204J	Design and Analysis of Algorithms	3	0	2	4
18EES101J	Basic Electrical and Electronics Engineering	3	1	2	5	18CSC205J	Operating Systems	3	0	2	4
18MES103L	Civil and Mechanical Engineering Workshop	1	0	4	3	18CSC206J	Software Engineering and Project Managemen		0	2	4
18CSS101J	Programming for Problem Solving	3	0	4	5	18CSC207J	Advanced Programming Practice	3	0	2	4
18CSS201J	Analog and Digital Electronics	3	0	2	4	18CSC301T	Formal Language and Automata	3	0	0	3
18CSS202J	Computer Communications	2	0	2	3		Computer Networks	3	0	2	4
	Total Learning Credits				23	18CSC303J	Database Management Systems	3	0	2	4
							Compiler Design	3	0	2	4
	5. Professional Elective Courses (E)	_				18CSC305J	Artificial Intelligence	3	0	2	4
	(Any 6 Elective Courses)						Comprehension	0	1	0	1
	, ,	I	lour	۱2		18CSC208L	Competitive Professional Skills-I	0	0	2	1
Course	Course		Wee			18CSC306L	Competitive Professional Skills-II	0	0	2	1
Code	Title	1	T	P	С	18CSC307L	Competitive Professional Skills-III	0	0	2	1
	Communication Systems Engineering	3	0	0	3		Total Learning Credits	;			51
18CSE342T	Digital Communication Systems	3	0	0	3			4			
	Principles of Cloud Computing	3	0	0	3		6. Open Elective Courses (O)				
	Distributed Operating Systems	3	0	0	3	Course	Course	Hou	irs/ W	/eek	
	Data Centric Networks	3	0	0	3	Code	Title	Ĺ	Т	Р	С
	Web Application Development	3	0	0	3		IT Infrastructure Management	3	0	0	3
	Cloud Architecture	3	0	0	3		Mobile Application Development	3	0	0	3
	Wireless Sensor Networks	3	0	0	3		System Modeling and Simulation	3	0	0	3
	High Performance Computing	3	0	0	3		Free and Open Source Softwares	3	0	0	3
	Software Defined Networks	3	0	0	3		· · · · · · · · · · · · · · · · · · ·		_		
	Network Design and Management	3	0	0	3		Android Development	3	0	0	3
	Cloud Application Development	3	0	0	3	18CSO106T	Data Analysis using Open Source Tool	3	0	0	3
	Cloud Security	3	0	0	3	18CSO107T	IOS Development	3	0	0	3
	Big Data Essentials	3	0	0	3		Total Learning Credits				12
	Cloud Strategy Planning and Management	3	0	0	3		- Court - Cour				
100021111	Total Learning Credits	_	·		18		7. Project Work, Seminar, Internship In				
		77	- 1				Industry / Higher Technical Institutions (P)				
		ь				Course	Course	Hou	ırs/ W	/eek	
	8. Mandatory Courses (M)					Code	Title	L	Τ.	Р	С
Code	Course Title	L	Τ	Р	С		Massive Open Online Course - I	t		•	
	Professional Skills and Practices	0	0	2	0		Industrial Training-I	0	0	2	1
	Competencies in Social Skills					18CSP103L		Ť		_	
	Entrepreneurial Skill Development	0	0	2	0	18CSP104I	Massive Open Online Course - II	Ħ			
	Critical and Creative Thinking Skills				_		Industrial Training-II	0	0	2	1
	Business Basics for Entrepreneurs	0	0	2	0		Seminar - II	1		-	
	Analytical and Logical Thinking Skills	_	_				Minor Project				
	Entrepreneurship Management	0	0	2	0		Internship (4-6 weeks)	0	0	6	3
	Constitution of India	1	0	0	0	18CSP109L		Ħ			
	Value Education	1	0	1	0		Semester Internship	- 0	0	20	10
	Physical and Mental Health using Yoga	0	0	2	0	TOO OF THOE	Total Learning Credits		_		15
18GNM102L		Ť	Ť		•		Town Edurining Oreans				
18GNM103L		0	0	2	0		8. Mandatory Courses (M)				
18GNM104L		Ĭ			•	Course	Course	Ho	ırs/ W	lack	
	Indian Traditional Knowledge	1	0	0	0	Code	Title	L	T	P	С
							Indian Art Form		0		
								0	_	2	0
						18CYM101T	Environmental Science	1	0	0	0
						1					

14. (f) Program Articulation: B.Tech. in Computer Science and Engineering with Specialization in Cloud Computing

				Р	rog	ram	Lea	arni	ng (Outo	com	es (PL(D)		
						Grad	uate	Attrib	outes						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
	Programming for Problem Solving	Н	Н	М	М	Н	L	L	М	Н	М	L	Н	L	Н	Н
	Data Structures and Algorithms	Н	Н	Н	Н	М	L	L	М	Н	Μ	М	Н	L	Н	Н
18CSC202J	Object Oriented Design and Programming	Н	Н	Н	Н	Н	М	L	М	Н	Н	М	Н	L	Н	Н
18CSC203J	Computer Organization and Architecture	Н	М	Н	М	L	L	L	М	L	L	L	Μ	Н	Μ	М
18CSC204J	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	Н	L	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	L	L	L	L	М	М	L	Н	Н	Н	Н
	Computer Networks	Н	Н	Н	Н	Н	М	L	М	Н	M	М	Н	Н	Н	М
	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	M	Н	Н	Н	Н
	Competitive Professional Skills-II	Н	Н	Н	Н	Н	L	L	M	Н	Н	M	Н	Н	Н	H
	Competitive Professional Skills-III	Н	Н	Н	Н	Н	L	L	М	Н	Н	M	Н	Н	Н	Н
	Communication Systems Engineering	Н	Н.	Н	Н	H	Н	Н	Н	H	Н	Н	Н	Н	Н	Н
	Digital Communication Systems	Н	Н	Н	Н	Н	Н	М	Н	Н	Н	М	Н	Н	М	Н
	Principles of Cloud Computing	Н	Н	Н	Н	Н	М	М	Н	Н	Н	М	Н	Н	Н	Н
	Distributed Operating Systems	Н	Н	Н	Н	Н	М	L	М	Н	М	Μ	Н	Н	Н	Н
	Data Centric Networks	Н	Н	Н	Н	Н	М	М	М	Н	Н	М	Н	Н	Н	Н
18CSE343T	Web Application Development	М	Н	Н	Н	Н	Н	М	Н	Н	Н	Н	Н	L	Н	Н
18CSE344T	Cloud Architecture	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н
18CSE451T	Wireless Sensor Networks	Н	Н	Н	Н	М	М	М	М	М	Н	L	Н	Н	Н	Н
18CSE454T	High Performance Computing	Н	Н	Н	Н	Н	L	L	М	Н	Н	L	Н	Н	Н	Н
18CSE456T	Software Defined Networks	Η	Н	Н	Н	Н	М	М	М	М	Н	Μ	Н	Н	Н	Н
	Network Design and Management	Н	Н	Н	Н	М	М	М	М	М	Н	L	Н	Н	Н	Н
	Cloud Application Development	М	Н	Н	Н	Н	Н	М	Н	Н	Н	Н	Н	Н	Н	Н
	Cloud Security	Н	Н	Н	Н	Н	М	М	Н	Н	Н	М	Н	Н	Н	Н
	Big Data Analytics	Н	Н	Н	Н	Н	Н	М	Н	Н	Н	Н	Н	М	Н	Н
	Cloud Strategy Planning and Management	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	М	Н
	Massive Open Online Course - I	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
	Industrial Training-I	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
	Seminar - I	Н	М	М	М	М	М	М	М	Н	Н	Н	Μ	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
	Seminar - II	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
	Minor Project	Н	Н	Н	Н	Н	М	М	Н	Н	Н	Н	Н	Н	М	М
18CSP108I	Internship (4-6 weeks)	Н	Н	Н	Н	Н	М	М	Н	Н	Н	Н	Н	Н	М	М
	Project Project	Н	Н	Н	Н	Н	М	М	Н	Н	Н	Н	Н	Н	M	M
18CSP110L	Semester Internship	Н	Н	Н	Н	Н	М	M	Н	Н	Н	Н	Н	Н	M	M
TOUGFTIUL							IVI									
	Program Average	Н	Н	М	Н	М	L	М	L	М	М	М	Н	М	М	М

14. (g) Implementation Plan: B.Tech. in Computer Science and Engineering with Specialization in Cloud Computing

	Semester - I						Semester - II				
Code	Course Title	Hou	urs/V		С	Code	Course Title	Hou	rs/ W		С
18LEH101J		2	T 0	P 2	3		Chinese / French / German / Japanese/ Korean	L 2	T 0	P 2	3
18MAR101T	Calculus and Linear Algebra	3	1	0	4	18MAB102T	Advanced Calculus and Complex Analysis	3	1	0	4
18PYB103J	Physics: Semiconductor Physics	3	1	2	5	18CYB101J	Chemistry	3	1	2	5
18MES101L	Engineering Graphics and Design	1	0	4	3		Programming for Problem Solving	3	0	4	5
18EES101J	Basic Electrical and Electronics Engineering	3	1	2	5	18MES103L	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 Credit	ts			20	18GNM103L		0	0	2	0
						18GNM104L	Total Learning Credits				21
	Semester - III						Semester - IV				
		Hou	urs/ V	Veek				Ноп	rs/ W	Veek	
Code	Course Title	L	T	P	С	Code	Course Title	L	T	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
	Data Structures and Algorithms	3	0	2	4		Operating Systems	3	0	2	4
	Object Oriented Design and Programming	3	0	2	4		Software Engineering and Project	3	0	2	4
18CSC203J	Computer Organization and Architecture	3	0	2	4	180302063	Management	3	U	2	4
18PDH102T	Management Principles for Engineers	2	0	0	2	18CSC207J	Advanced Programming Practice	3	0	2	4
18PDM201L	Competencies in Social Skills	0	0	2	0	18CSC208L	Competitive Professional Skills-I	0	0	2	1
18DDM2031	Entrepreneurial Skill Development	U	U	2	0		Social Engineering	2	0	0	2
TOI DIVIZUOL	T (11	<u> </u>			•		Critical and Creative Thinking Skills	0	0	2	0
TOI DIVIZOSE	Total Learning Credit	เจ			24			U	U		U
TOT DIVIZOSE	Total Learning Credit	15			24		Business Basics for Entrepreneurs	\perp		\vdash	
TOT DIVIZOSE	l otal Learning Credit	15			24		Environmental Science	1	0	0	0
TOT DIVIZOUS	Total Learning Credit	15		K	24			1	0	0	0 26
TOT DIVIZOSE	Total Learning Credit	15		3	24		Environmental Science	1	0	0	
TOI DIWEOSE	Semester - V	15		3	24		Environmental Science	1	0	0	
	Semester - V		urs/ V	_	N	18CYM101T	Environmental Science Total Learning Credits Semester - VI		rs/ W	Veek	26
Code	Semester - V Course Title	Hou	Τ	Р	С	18CYM101T	Environmental Science Total Learning Credits Semester - VI Course Title	Hou	rs/ W	Veek	26 C
Code 18MAB302T	Semester - V Course Title Discrete Mathematics for Engineers	Hou L	T	P 0	C 4	18CYM101T Code 18CSC303J	Environmental Science Total Learning Credits Semester - VI Course Title Database Management Systems	Hou L 3	rs/ W T	Veek	26 C
Code 18MAB302T 18CSC301T	Semester - V Course Title Discrete Mathematics for Engineers Formal Language and Automata	Hou L 3	T 1 0	P 0	C 4 3	18CYM101T Code 18CSC303J 18CSC304J	Environmental Science Total Learning Credits Semester - VI Course Title Database Management Systems Compiler Design	Hou L 3	rs/ W T 0	Veek P 2 2	26 C 4 4
Code 18MAB302T 18CSC301T 18CSC302J	Semester - V Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks	Hou L 3 3 3	T 1 0	P 0 0 2	C 4 3 4	Code 18CSC303J 18CSC304J 18CSC305J	Environmental Science Total Learning Credits Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence	Hou L 3 3	rs/ W T 0 0	Veek P 2 2 2 2	C 4 4 4 4
Code 18MAB302T 18CSC301T 18CSC302J	Semester - V Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II	Hou L 3 3 3	T 1 0 0	P 0 0 2 2	C 4 3 4 1	Code 18CSC303J 18CSC305J 18CSC305J 18CSC3507	Environmental Science Total Learning Credits Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension	Hou L 3 3 3	rs/ W T 0 0 0	Veek P 2 2 2 0	C 4 4 4 1
Code 18MAB302T 18CSC301T 18CSC302J	Semester - V Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1	Hou L 3 3 3 0	T 1 0 0 0	P 0 0 2 2 0	C 4 3 4 1 3 3	Code 18CSC303J 18CSC305J 18CSC305J 18CSC3507	Environmental Science Total Learning Credits Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III	Hou L 3 3 0 0	rs/ W T 0 0 0	Veek P 2 2 2 0 2	C 4 4 1 1 1
Code 18MAB302T 18CSC301T 18CSC302J	Semester - V Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1 Professional Elective – 2	Hou L 3 3 3 0 0 3	T 1 0 0 0 0	P 0 0 2 2 0 0 0	C 4 3 4 1 3 3 3	Code 18CSC303J 18CSC305J 18CSC305J 18CSC3507	Environmental Science Total Learning Credits Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension Competitive Professional Skills-III Professional Elective – 3	Hou L 3 3 3 0 0	rs/ W T 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 2 0 0	C 4 4 1 1 3
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L	Semester - V 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	Hou L 3 3 3 0	T 1 0 0 0	P 0 0 2 2 0	C 4 3 4 1 3 3	Code 18CSC303J 18CSC305J 18CSC305J 18CSC3507	Environmental Science 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	Hou L 3 3 0 0 0 3 3	rs/ W T 0 0 0 1 0 0 0 0 0	Veek P 2 2 2 0 0 0 0	C 4 4 1 1 3 3 3
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L	Semester - V 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	Hou L 3 3 3 3 0 0 3 3 3 3 3 3 3	T 1 0 0 0 0 0 0 0 0 0	P 0 0 2 2 2 0 0 0 0	C 4 3 4 1 3 3 3 3 3	Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T 18CSC307L	Environmental Science 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	Hou L 3 3 3 0 0	rs/ W T 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 2 0 0	C 4 4 1 1 3
Code 18MAB302T 18CSC301T 18CSC306L 18CSP101L 18CSP102L	Semester - V 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 Industrial Training-I	Hou L 3 3 3 0 0 3	T 1 0 0 0 0	P 0 0 2 2 0 0 0	C 4 3 4 1 3 3 3	Code 18CSC303J 18CSC305J 18CSC305J 18CSC307L	Environmental Science 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	Hou L 3 3 0 0 0 3 3 3	T 0 0 0 1 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	C 4 4 1 1 1 3 3 3 3
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L	Semester - V 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	Hot L 3 3 3 3 0 0 3 3 3 3 3 0 0	T 1 0 0 0 0 0 0	P 0 0 2 2 0 0 0	C 4 3 3 4 1 1 3 3 3 3 1 1	Code 18CSC303J 18CSC304J 18CSC305J 18CSC305J 18CSC307L 18CSC307L	Environmental Science 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	Hou L 3 3 0 0 0 3 3	rs/ W T 0 0 0 1 0 0 0 0 0	Veek P 2 2 2 0 0 0 0	C 4 4 1 1 3 3 3
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18PDM301L	Semester - V 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	Hou L 3 3 3 3 0 0 3 3 3 3 3 3 3	T 1 0 0 0 0 0 0 0 0 0	P 0 0 2 2 2 0 0 0 0	C 4 3 4 1 3 3 3 3 3	Code 18CSC303J 18CSC305J 18CSC305J 18CSC307L 18CSP104L 18CSP105L 18CSP106L	Environmental Science 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 Seminar - II	Hou L 3 3 3 0 0 0 3 3 3 3	rs/ W T 0 0 0 1 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
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18CSP103L 18CPD10301L	Semester - V 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	Hot L 3 3 3 3 0 0 3 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 0 0 0	C 4 4 3 4 1 1 3 3 3 3 3 1 1 0 0	Code 18CSC303J 18CSC305J 18CSC305J 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T	Environmental Science 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 Seminar - II Employability Skills and Practices	Hou L 3 3 3 0 0 0 3 3 3 3 0	rs/ W T 0 0 0 1 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
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18CSP103L 18CPD10301L	Semester - V 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	Hot L 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	T 1 0 0 0 0 0 0	P 0 0 2 2 0 0 0	C C 4 3 3 4 1 1 3 3 3 3 1 1 0 0 0 0	Code 18CSC303J 18CSC305J 18CSC305J 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T	Environmental Science 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 Seminar - II Employability Skills and Practices Indian Art Form	Hou L 3 3 3 0 0 0 3 3 3 3	rs/ W T 0 0 0 1 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
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18CSP103L 18CPD10301L	Semester - V 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	Hot L 3 3 3 3 3 3 3 3 3 3 3 3 3 3 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 0 0 0	C 4 4 3 4 1 1 3 3 3 3 3 1 1 0 0	Code 18CSC303J 18CSC305J 18CSC305J 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T	Environmental Science 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 Seminar - II Employability Skills and Practices	Hou L 3 3 3 0 0 0 3 3 3 3 0	rs/ W T 0 0 0 1 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
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18CSP103L 18CPD10301L	Semester - V 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 Credit	Hot L 3 3 3 3 3 3 3 3 3 3 3 3 3 3 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 0 0 0	C C 4 3 3 4 1 1 3 3 3 3 1 1 0 0 0 0	Code 18CSC303J 18CSC305J 18CSC305J 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T	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 Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits	Hou L 3 3 3 0 0 0 3 3 3 3 0	rs/ W T 0 0 0 1 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 0 0
Code 18MAB302T 18CSC301T 18CSC306L 18CSC706L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM302L 18LEM109T	Semester - V 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	Hou L 3 3 3 3 3 0 0 0 0 1 1 ts	T 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 2 2 0 0 0 0 2 2 2 0 0 0 0 0 0 0	C 4 3 4 4 1 1 3 3 3 3 3 1 1 0 0 22	Code 18CSC303J 18CSC305J 18CSC305J 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18PDH201T	Environmental Science 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 Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits	Hou L 3 3 3 0 0 0 3 3 3 3 0 0 0	0 0 0 1 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2	C 4 4 4 1 1 1 3 3 3 3 1 1 0 25
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18CSP103L 18CPD10301L	Semester - V 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 Credit	Hou L 3 3 3 3 3 0 0 0 0 1 1 ts	T 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 2 2 0 0 0 0 2 2 2 0 0 0 0 0 0 0	C C 4 3 3 4 1 1 3 3 3 3 1 1 0 0 0 0	Code 18CSC303J 18CSC304J 18CSC305J 18CSC305J 18CSC307L 18CSP104L 18CSP105L 18CSP106L 18CP105L 18CP106L 18CP106L 18CP106L 18CP106L Code	Environmental Science 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 Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits Semester - VIII Course Title	Hou L 3 3 3 0 0 0 3 3 3 3 0 0 0	rs/ W T 0 0 0 1 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2	C 4 4 4 1 1 3 3 3 3 1 1 1 0 0
Code 18MAB302T 18CSC301T 18CSC306L 18CSC706L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM302L 18LEM109T	Semester - V 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 Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Traditional Knowledge Total Learning Credit Semester - VII Course Title Professional Elective – 5	Hot L 3 3 3 3 3 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 0 2 2 0 0 0 0 2 2 0 0 0 0 0 0 0 0	C C 4 3 4 4 1 1 3 3 3 3 1 1 0 0 0 22 C C 3	18CYM101T Code 18CSC303J 18CSC305J 18CSC305T 18CSC307L 18CSP104L 18CSP106L 18PDH201T 18LEM110L Code 18CSP109L	Environmental Science 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 Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits Semester - VIII Course Title Project	Hou L 3 3 0 0 3 3 3 0 0 0 0 0	0 0 0 0 0 0 0 0 Trs/ W	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 2 2 Veek P	C 4 4 4 1 1 3 3 3 3 1 1 0 25
Code 18MAB302T 18CSC301T 18CSC306L 18CSC706L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM302L 18LEM109T	Semester - V 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 Credit Semester - VII Course Title Professional Elective – 5 Professional Elective – 6	Hot L 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0	P 0 0 0 0 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0	C C 4 4 3 4 4 1 1 3 3 3 3 1 1 0 0 22 C C	18CYM101T Code 18CSC303J 18CSC305J 18CSC305T 18CSC307L 18CSP104L 18CSP106L 18PDH201T 18LEM110L Code 18CSP109L	Environmental Science 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 Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits Semester - VIII Course Title	Hou L 3 3 3 0 0 0 3 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	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 2	C 4 4 4 1 1 1 3 3 3 3 1 1 0 25
Code 18MAB302T 18CSC301T 18CSC306L 18CSC306L 18CSP101L 18CSP103L 18CSP103L 18PDM301L 18PDM302L 18LEM109T Code	Semester - V 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 Credit Semester - VII Course Title Professional Elective – 5 Professional Elective – 6 Open Elective – 3	Hot L 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 2 2 0 0 0 0 2 2 0 0 0 0 0 0 0 0	C C 4 3 4 4 1 1 3 3 3 3 1 1 0 0 0 22 C C 3	18CYM101T Code 18CSC303J 18CSC305J 18CSC305T 18CSC307L 18CSP104L 18CSP106L 18PDH201T 18LEM110L Code 18CSP109L	Environmental Science 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 Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits Semester - VIII Course Title Project	Hou L 3 3 0 0 3 3 3 0 0 0 0 0	0 0 0 0 0 0 0 0 Trs/ W	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 2 2 Veek P	C 4 4 4 1 1 3 3 3 3 1 1 0 25
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM301L 18PDM302L 18LEM109T Code	Semester - V 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 Credit Semester - VII Course Title Professional Elective – 5 Professional Elective – 6 Open Elective – 3 Minor Project	Hot L 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	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 Veek P 0 0 0 0	C C 4 3 4 4 1 1 3 3 3 3 1 1 0 0 0 22 C C 3 3 3 3 3 3	18CYM101T Code 18CSC303J 18CSC305J 18CSC305T 18CSC307L 18CSP104L 18CSP106L 18PDH201T 18LEM110L Code 18CSP109L	Environmental Science 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 Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits Semester - VIII Course Title Project	Hou L 3 3 0 0 3 3 3 0 0 0 0 0	0 0 0 0 0 0 0 0 Trs/ W	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 2 2 Veek P	C 4 4 4 1 1 3 3 3 3 3 1 1 0 25
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM301L 18PDM302L 18LEM109T Code	Semester - V 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 Credit Semester - VII Course Title Professional Elective - 5 Professional Elective - 6 Open Elective - 3 Minor Project Intermship (4-6 weeks)	Hotel L 3 3 3 3 3 3 3 3 3	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 2 2 0 0 0 0 0 0 0 0 0 0 0 0	C 4 4 3 4 4 1 1 3 3 3 3 3 1 1 C C 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	18CYM101T Code 18CSC303J 18CSC305J 18CSC305T 18CSC307L 18CSP104L 18CSP106L 18PDH201T 18LEM110L Code 18CSP109L	Environmental Science 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 Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits Semester - VIII Course Title Project	Hou L 3 3 0 0 3 3 3 0 0 0 0 0	0 0 0 0 0 0 0 0 Trs/ W	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 2 2 Veek P	C 4 4 4 1 1 3 3 3 3 3 1 1 0 25
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP102L 18CSP103L 18PDM301L 18PDM301L 18PDM302L 18LEM109T Code	Semester - V 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 Credit Semester - VII Course Title Professional Elective – 5 Professional Elective – 6 Open Elective – 3 Minor Project	Hotel L 3 3 3 3 3 3 3 3 3	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 Veek P 0 0 0 0	C C 4 3 4 4 1 1 3 3 3 3 1 1 0 0 0 22 C C 3 3 3 3 3 3	18CYM101T Code 18CSC303J 18CSC305J 18CSC305T 18CSC307L 18CSP104L 18CSP106L 18PDH201T 18LEM110L Code 18CSP109L	Environmental Science 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 Seminar - II Employability Skills and Practices Indian Art Form Total Learning Credits Semester - VIII Course Title Project	Hou L 3 3 3 0 0 0 0 3 3 3 3 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 Trs/ W	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 2 2 Veek P	C 4 4 4 1 1 3 3 3 3 1 1 0 25