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



16. B.Tech. in Computer Science and Engineering with Specialization in Cyber Security

16. (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

16. (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 the additional skills in securing the network and IT infrastructure in Cyberspace
PEO - 6	Graduates will have the key ability to strengthen the cyber ecosystem

16. (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	Н	Н	Н
PEO - 3	Н	H	M	L	Н
PEO - 4	M	Н	М	Н	Н
PEO - 5 PEO - 6	Н	Н	H	Н	Н
PEO - 6	L	H	L	Н	Н

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

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

						Progra	am Lear	ning Ou	tcomes	(PLO)					
		177			Gra	aduate At	tributes (GA)					Pro Out	gra <mark>m S</mark> pe comes (P	ecific PSO)
	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	L	L	Н	Н	L	L	L	L	L	Н	Н	Н	Н	Н
PEO - 6	L	L	L	L	L	L	L	L	L	L	L	L	Н	Н	Н

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

PSO – Program Specific Outcomes (PSO)

PSO - 1	Ability to Utilize Cyberspace security principles
PSO - 2	Ability to Collaborative plan and address any Incidence response
DCO 2	Coours oritical infractructure

16. (e) Program Structure: B.Tech. in Computer Science and Engineering with Specialization in **Cyber Security**

Course		· · · · · · · · · · · · · · · · · · ·						Basic Science Courses (B)				
Code							Course		Ноц	rs/ W	/eek	
Tiple	Course		Hou	ırs/ W	/eek	,	118		L	_	_	С
			_						3			5
RILEHTOSI Companies				_			18CYB101J	Chemistry				5
Fig. First Japanese												4
												4
Fig. Fig. Foreign Fig. Fig.			2	0	2	3					_	4
Image: Columber Image: Col											-	4
SEPOHICATION Course Cour			0	0	2	1						2
IRPOHNIX Course							TODIDIOTI	37		U	U	32
								Total Edulling Ground				
Course						_						
Course			_		_				Hou			
Course								1.00	L			С
Course		3. Engineering Science Courses (S)										4
Title												4
18/05/2011 Engineering Graphics and Design			Hou			_						4
			L		-		180302043	Operating Systems				4
18/05/2012 Civil and Mechanical Engineering Workshop 1	18FES101L	Resign Electrical and Electronics Engineering					18CSC206.I	Software Engineering and Project Management	3			4
							18CSC207J	Advanced Programming Practice				4
18CSS201J Analog and Digital Electronics 3 0 2 4 18CSS202J Computer Communications 2 0 2 2 3 3 0 2 4 18CSS202J Computer Communications 2 0 2 3 3 0 2 4 18CSS202J Computer Communications 3 0 2 3 3 0 2 4 18CSS202J Computer Communications 3 0 2 18CSS202J Computer Communications 3 0 0 2 18CSS202J Compute							18CSC301T	Formal Language and Automata	3	0	0	3
18CSS202 Computer Communications 2 0 2 3 3 18CSS203 Computer Design 3 0 2 2 3 3 3 2 2 3 3 3	18CSS201J	Analog and Digital Electronics										4
S. Professional Elective Courses (E)	18CSS202J	Computer Communications	2	0	2	3						4
S. Professional Elective Courses (Any 6 Elective (Any 6 Elec		Total Learning Credits				23						4
Course		5 Professional Flective Courses (F)		_		_	18CSC305J	Artificial Intelligence				4
Course												1
Code	0	, ,	ŀ	lour	s/					_		1
Code	Course	Course										1
RecSe382T Forensics And Incident Response				_					-		_	51
RESCS-347 Network Security								C. Oraca Flaction Courses (O)	4			
Record Figure Record R							Course		Нои	ro / \A	look	
18CSE384T Secure Software Development Life Cycle 3 0 0 3 18CSE385T Security Audit and Risk Assessment 3 0 0 3 18CSE357T Biometrics 3 0 0 3 18CSE37T Biometrics 3 0 0 3 18CSE47T Malware Analysis 3 0 0 0 0 0 0 0 0 0							41) <mark>:</mark>		_			С
18CSE385T Security Audit and Risk Assessment	18CSE384T	Secure Software Development Life Cycle										3
RecSe386T										_		3
Assessment			2	٥	٥	2				_	-	3
Table Tabl								,	_	0	-	3
RSCS4472 Malware Anlaysis 3 0 0 3 18CSE475T Cloud Security 3 0 0 3 18CSE475T Mobile and Wireless Security 3 0 0 3 18CSE475T Mobile and Wireless Security 3 0 0 3 18CSE475T Mobile and Wireless Security 3 0 0 3 18CSE476T Database Security 3 0 0 3 18CSE476T Database Security 3 0 0 3 18CSE478T Operation System Security 18CSP101L Massive Open Online Course - I 18CSP101L Industrial Training-I 0 0 0 0 0 0 0 0 0												3
18CSE474T Cyber Law 3 0 0 3								,				3
Total Learning Credits Security Securi								, , ,	_			3
18CSE4767 Database Security 3 0 0 0 3 18CSE4777 Security Governance, Risk and compliance 3 0 0 0 3 18CSE4787 Operation System Security 3 0 0 0 3 18CSE4787 Operation System Security 3 0 0 0 3 18CSE4787 Operation System Security 3 0 0 0 3 18CSE4787 Operation System Security 3 0 0 0 3 18CSE4787 Operation System Security 3 0 0 0 3 18CSE4787 Operation System Security 18CSE4787 Operation System Security 3 0 0 0 3 18CSE4787 Operation System Security 3 0 0 0 3 18CSE4787 Operation System Security 3 0 0 0 3 18CSE4787 Operation System Security 3 0 0 0 3 18CSE4787 Operation System Security 18CSE4787 Operation Sys							100001011	,		U	U	12
Total Learning Credits								Total Learning Cledits				12
Total Learning Credits												
Code	18CSE478T			0	0							
18CSP101L Massive Open Online Course - I 18CSP101L Industrial Training-I 0 0 2 18DPM201L Competencies in Social Skills and Practices 0 0 2 0 18DPM201L Competencies in Social Skills 0 0 2 0 18DPM201L Competencies in Social Skills 0 0 2 0 18DPM201L Competencies in Social Skills 0 0 2 0 18DPM201L Competencies in Social Skills 0 0 2 0 18DPM201L Competencies in Social Skills 0 0 2 0 18DPM201L Competencies in Social Skills 0 0 2 0 18CSP101L Massive Open Online Course - II 18CSP101L Massive Open Online Course - II 18CSP101L Massive Open Online Course - II 18CSP101L Industrial Training-II 0 0 0 2 0 18CSP101L Industrial Training-II 0 0 0 2 0 18CSP101L Industrial Training-II 18CSP10		Total Learning Credits				18]		_	_		_
Code									L	-	۲	С
18PDM101L Professional Skills and Practices 0 0 2 0 18PDM201L Competencies in Social Skills 18PDM203L Entrepreneurial Skill Development 0 0 2 0 18PDM203L Entrepreneurial Skill Development 18PDM204L Business Basics for Entrepreneurs 18PDM301L Business Basics for Entrepreneurs 18PDM301L Analytical and Logical Thinking Skills 18PDM301L Analytical and Logical Thinking Skills 18PDM301L Entrepreneurship Management 18LEM101T Constitution of India 1 0 0 0 18LEM102J Value Education 1 0 1 0 18GNM104L Physical and Mental Health using Yoga 18GNM103L NCC 18GNM103L NCC 18GNM103L NCC 18GNM103L NCC 18GNM103L NSS 18LEM109T Indian Traditional Knowledge 1 0 0 0 0 0 0 0 2 0 18LEM109T Indian Traditional Knowledge 1 0 0 0 0 0 0 0 0 0	Cada	O T:::		-	П				n	n	2	1
18PDM201L Competencies in Social Skills 18PDM202L Entrepreneurial Skill Development 18PDM202L Critical and Creative Thinking Skills 18PDM204L Business Basics for Entrepreneurs 18PDM204L Business Basics for Entrepreneurs 18PDM301L Analytical and Logical Thinking Skills 18PDM301L Entrepreneurship Management 18PDM301L Entrepreneurship Management 18CSP108L Industrial Training-II 18CSP105L Industrial Training-II 18										U	2	,
18PDM203L Entrepreneurial Skill Development 0 0 2 0 18PDM204L Critical and Creative Thinking Skills 18PDM204L Business Basics for Entrepreneurs 0 0 2 0 18CSP106L Seminar - II 18CSP106L 18CS			1	1					Г			
18PDM202L Critical and Creative Thinking Skills 18PDM204L Business Basics for Entrepreneurs 0 0 2 0 18PDM304L Analytical and Logical Thinking Skills 18PDM304L Entrepreneurship Management 18LEM101T Constitution of India 1 0 0 0 18LEM101T Constitution of India 1 0 0 0 18CSP108L Internship (4-6 weeks) 18CSP109L Project 18CSP109L Project			0	0	2	0	18CSP105L	Industrial Training-II	0	0	2	1
18PDM204L Business Basics for Entrepreneurs 0 0 2 0 18PDM301L Analytical and Logical Thinking Skills 0 0 2 0 18CSP108L Internship (4-6 weeks) 18CSP108L Internship (4-6 weeks) 18CSP108L Internship (4-6 weeks) 18CSP108L Internship (4-6 weeks) 18CSP109L Project 18C			^	^	^	_	18CSP106L	Seminar - II				
18PDM301L Analytical and Logical Thinking Skills 18PDM302L Entrepreneurship Management 18LEM101T Constitution of India 1 0 0 0 0 18LEM101T Constitution of India 1 0 0 0 0 18LEM102L Value Education 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0	0	2	0			0	0	6	3
Table 10 Total Learning Credits Total Le	18PDM301L	Analytical and Logical Thinking Skills	n	Λ	2	0			Ľ	Ŭ	Ŭ	<u> </u>
18LEM1017 Constitution of India									0	0	20	10
18GNM101L Physical and Mental Health using Yoga 0 0 2 0 18GNM102L NSS			<u> </u>	-	+	-	18USP110L					15
18GNM102L NSS	18LEM102J	Value Education Physical and Mantal Health using Yang		-				rotal Learning Credits				ıΰ
18GNM103L NCC			U	U	2	U		8 Mandatory Courses (M)				
18GNM104L NSO Course Course Course Hours/ Week 18LEM109T Indian Traditional Knowledge 1 0 0 0 0 0 0 18LEM110L Indian Art Form 0 0 0 0 0 2 0			n	n	2	0		o. manualory courses (m)				
18LEM109T Indian Traditional Knowledge 1 0 0 0 Code Title L T P 18LEM110L Indian Art Form 0 0 0 2 0			Ĭ	Ü	_	U	Course	Course	Hou	rs/ W	/eek	
18LEM110L Indian Art Form 0 0 0 2			1	0	0	0	414		L	-		С
18CVM101T Environmental Science 1 0 0 0		V				•		Indian Art Form	0	_		0
Too Tim To T El milo illino illin									1	0	0	0
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16. (f) Program Articulation: B.Tech. in Computer Science and Engineering with Specialization in Cyber Security

				Ρ	rog	ram	Lea	arni	ng (Outo	com	ies ((PLC)		
						Grad	uate	Attrib	outes						PSO	1
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	ife Long Learning	PSO - 1	PSO-2	PSO - 3
18CSS101J	Programming for Problem Solving	Н	Н	М	M	H	L	L	М	H	М	L	Н	L	H	Н
	Data Structures and Algorithms	Н	Н	Н	Н	М	L	L	М	Н	М	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
	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	Н	L	Н	M
	Advanced Programming Practice	Н	Н	М	М	Н	L	L	М	Н	M	L	Н	L	Н	Н
	Formal Language and Automata	Н	Н	Н	Н	L	L	L	L	М	M	L	Н	Н	Н	H
	Computer Networks	Н	Н	Н	Н	Н	M	L	М	Н	M	M	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	_M	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	H	Н	Н	Н	Н	L	L	M	Н	Н	M	Н	Н	Н	H
	Cryptography	М	Н	L	М	М	L	L	М	Н	Н	L	М	Н	Н	Н
	Forensics And Incident Response	М	Н	M	Н	М	М	L	Н	Н	Н	ī	Н	Н	Н	Н
	Network Security	Н	Н	Н	Н	Н	L	L	М	Н	Н	L	Н	Н	Н	Н
18CSE383T	Information Assurance and Security	Н	Н	Н	Н	М	М	М	М	Н	Н	М	М	Н	Н	Н
18CSE384T	Secure Software Development Life Cycle	Н	Н	Н	Н	Н	L	L	L	Н	М	Н	Н	Н	Н	Н
18CSE385T	Security Audit and Risk Assessment	М	Н	М	Н	Н	L	L	М	Н	Н	Н	Н	Н	Н	Н
	Penetration Testing and Vulnerability Assessment	L	М	М	Н	Н	L	L	Н	Н	М	М	Н	Н	Н	Н
18CSE357T		М	Н	Н	Н	М	M	Н	М	Н	М	М	Н	Н	Н	Н
	Malware Analysis	М	Н	М	Н	Н	L	L	М	Н	Н	L	Н	Н	Н	Н
	Cloud Security	Н	Н	Н	Н	Н	L	L	L	Н	М	L	L	Н	Н	Н
18CSE474T		L	Н	Н	Н	L	Н	L	Н	Н	Н	L	Н	Н	Н	Н
	Mobile and Wireless Security	Н	Н	Н	Н	Н	М	L	М	Н	Н	М	Н	Н	Н	Н
18CSE4/61	Database Security	М	Н	Н	Н	Н	L	L	М	Н	Н	М	Н	Н	Н	Н
	Security Governance, Risk and compliance	M	H	H	H	H	M	M L	M	H	M M	H	H	H	H	H
	Operation System Security	_							_							_
	Massive Open Online Course - I	Н	M	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
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
18CSP <mark>105L</mark>	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	Н	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
18CSP109L	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. 110L	Program Average	Н	Н	М	Н	М	191	101	- 11	-	' '	'''	'''	11	IVI	M

16. (g) Implementation Plan: B.Tech. in Computer Science and Engineering with Specialization in Cyber Security

	Semester - I						Semester - II				
Code	Course Title	Hou	urs/ V	Veek P	С	Code	Course Title	Hou	ırs/ V	Veek P	С
18LEH101J		2		2	3		Chinese / French / German / Japanese/ Korean	2	0	2	3
	Calculus and Linear Algebra	3	_	0	4		Advanced Calculus and Complex Analysis	3	1	0	4
18PYB103J	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
8GNM101L	Physical and Mental Health using Yoga	0	0	2	0	18GNM102L					
	Total Learning Credit	S			20	18GNM103L		0	0	2	0
						18GNM104L	Total Learning Credits	<u> </u>			21
	Semester - III						Semester - IV				
		Но	urs/ \	Veek	T _	1 .		Но	ırs/ V	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	18CSS202J	Computer Communications	2	0	2	3
	Analog and Digital Electronics	3		2	4		Design and Analysis of Algorithms	3	0	2	4
18CSC201.J	Data Structures and Algorithms	3		2	4		Operating Systems	3	0	2	4
	Object Oriented Design and Programming	3		2	4		Software Engineering and Project				
	Computer Organization and Architecture	3		2	4	18CSC206J	Management	3	0	2	4
	Management Principles for Engineers	2		0	2	18000071	Advanced Programming Practice	3	0	2	4
			U				Competitive Professional Skills-I	0	0	2	1
	Competencies in Social Skills Entrepreneurial Skill Development	- 0	0	2	0		Social Engineering	2	0		2
					24				U	0	
18PDM203L						1118PDM202L	Critical and Creative Thinking Skills	0	0	2	0
18PDM203L	Total Learning Credit	S	_		24						
18PDM203L	Total Learning Credit	S			24	18PDM204L	Business Basics for Entrepreneurs				_
18PDM203L	l otal Learning Credit	S	ī		24	18PDM204L	Environmental Science	1	0	0	0
18PDM203L	Total Learning Credit	S		Š	24	18PDM204L		1			0
18PDM203L	Total Learning Credit	S		3	24	18PDM204L	Environmental Science	1			_
18PDM203L]	Semester - V	S		3	24	18PDM204L	Environmental Science	1			0
	Semester - V		urs/V	Veek	3	18PDM204L 18CYM101T	Environmental Science Total Learning Credits Semester - VI	1		0	0 26
Code			urs/V	Week P	C	18PDM204L	Environmental Science Total Learning Credits	1	0	0	0
Code	Semester - V	Hou	Т		3	18PDM204L 18CYM101T	Environmental Science Total Learning Credits Semester - VI Course Title	1 Hou	0 urs/ V	0 Veek	0 26
Code 18MAB302T	Semester - V Course Title Discrete Mathematics for Engineers	Hou L	T 1	P 0	C 4	18PDM204L 18CYM101T Code 18CSC303J	Total Learning Credits Semester - VI Course Title Database Management Systems	Hou L	0 urs/V	Veek P 2	0 26 C
Code 18MAB302T 18CSC301T	Semester - V Course Title Discrete Mathematics for Engineers Formal Language and Automata	Hot L 3	T 1 0	P 0 0	C 4 3	18PDM204L 18CYM101T Code 18CSC303J 18CSC304J	Environmental Science Total Learning Credits Semester - VI Course Title Database Management Systems Compiler Design	Hou L 3 3	0 urs/ V T 0 0	Veek P 2 2	0 26 C
Code 18MAB302T 18CSC301T 18CSC302J	Semester - V Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks	Hot L 3 3 3 3	T 1 0	P 0 0 2	C 4 3 4	18PDM204L 18CYM101T Code 18CSC303J 18CSC304J 18CSC305J	Environmental Science Total Learning Credits Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence	Hou L 3 3 3 3	0 urs/V T 0 0	Veek P 2 2 2 2	0 26 C
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L	Semester - V Course Title Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II	Hot L 3 3 3 0	T 1 0 0	P 0 0 2 2	C 4 3 4 1	18PDM204L 18CYM101T Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T	Environmental Science Total Learning Credits Semester - VI Course Title Database Management Systems Compiler Design Artificial Intelligence Comprehension	Hou L 3 3 3 0	0 urs/ V T 0 0	0 Veek P 2 2 2	0 26 C 4 4 4
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	Hou L 3 3 3 0	T 1 0 0 0	P 0 0 2 2 2 0	C 4 3 4 1 3	18PDM204L 18CYM101T Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T	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 3 0 0 0	0 urs/V T 0 0 0	0 Veek P 2 2 2 0 2	0 26 C 4 4 4 1 1
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	Hot L 3 3 3 0 0 3 3 3 3	T 1 0 0 0 0	P 0 0 2 2 2 0 0 0	C 4 3 4 1 3 3 3	18PDM204L 18CYM101T Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T	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	0 Irs/ W T 0 0 0 1 0	0 Veek P 2 2 2 0 2 0	0 26 C 4 4 4 1 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 0	P 0 0 2 2 2 0	C 4 3 4 1 3	18PDM204L 18CYM101T Code 18CSC303J 18CSC304J 18CSC305J 18CSC350T	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 3 0 0 0 3 3 3	T 0 0 0 0 1 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0	0 26 26 4 4 4 4 1 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 3 3 3 3 3 3	T 1 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	18PDM204L 18CYM101T 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	0 Irs/ W T 0 0 0 1 0	0 Veek P 2 2 2 0 2 0	0 26 4 4 4 4 1 1 1 3 3 3
Code 18MAB302T 18CSC301T 18CSC306L 18CSC106L 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 Massive Open Online Course - I Industrial Training-I	Hot L 3 3 3 0 0 3 3 3 3	T 1 0 0 0 0	P 0 0 2 2 2 0 0 0	C 4 3 4 1 3 3 3	18PDM204L 18CYM101T Code 18CSC303J 18CSC304J 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 3 0 0 0 3 3 3	0 T 0 0 0 0 0 1 1 0 0	0 Veek P 2 2 2 0 0 0 0	0 26 4 4 4 1 1 1 3 3 3
Code 18MAB302T 18CSC301T 18CSC306L 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	Hou L 3 3 3 3 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3	T 1 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	18PDM204L 18CYM101T Code 18CSC303J 18CSC304J 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 3 0 0 0 3 3 3	T 0 0 0 0 1 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0	0 266 C 4 4 4 1 1 1 3
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP101L 18CSP103L 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 Analytical and Logical Thinking Skills	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 2 0 0 0	C 4 3 4 1 3 3 3 3 1	18PDM204L 18CYM101T Code 18CSC303J 18CSC305J 18CSC305D 18CSC350T 18CSC307L 18CSP105L 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	0 T 0 0 0 0 0 1 1 0 0	0 Veek P 2 2 2 0 0 0 0	0 26 4 4 4 1 1 1 3 3 3
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP101L 18CSP103L 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	Hou L 3 3 3 3 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3	T 1 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	18PDM204L 18CYM101T Code 18CSC303J 18CSC305J 18CSC305D 18CSC350T 18CSC307L 18CSP105L 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	Hou L 3 3 3 0 0 0 3 3 3	0 T 0 0 0 0 0 1 1 0 0	0 Veek P 2 2 2 0 0 0 0	0 26 4 4 4 1 1 1 3 3 3
Code 18MAB302T 18CSC301T 18CSC306L 18CSP101L 18CSP103L 18CSP103L 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 Analytical and Logical Thinking Skills	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 2 0 0 0	C 4 3 4 1 3 3 3 3 1	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	Hou L 3 3 3 3 0 0 0 0 3 3 3 3 0 0	0 urs/V T 0 0 0 0 0 0 0 0 0	0 Veek P 2 2 0 0 0 2 2 0 2 2 0 2 2 0 2 0 0 0 0	0 26 4 4 4 4 1 1 1 3 3 3 3
Code 18MAB302T 18CSC301T 18CSC306L 18CSC306L 18CSP101L 18CSP103L 18CSP103L 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 Analytical and Logical Thinking Skills Entrepreneurship Management Indian Traditional Knowledge	Hou 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 0	C 4 3 4 1 1 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 Indian Art Form	Hou L 3 3 3 0 0 0 3 3 3 3 0 0	0 urs/ V T O O O O O O O O	0 Veek P 2 2 0 0 0 2 2 0 2 2 0 0 2 2	0 26 4 4 4 1 1 1 3 3 3 3 1
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP103L 18CSP103L 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 Analytical and Logical Thinking Skills Entrepreneurship Management	Hou 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 0	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	Hou L 3 3 3 0 0 0 3 3 3 3 0 0	0 urs/ V T O O O O O O O O	0 Veek P 2 2 0 0 0 2 2 0 2 2 0 0 2 2	0 26 4 4 4 4 1 1 1 3 3 3 1
Code 18MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP103L 18CSP103L 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 Analytical and Logical Thinking Skills Entrepreneurship Management Indian Traditional Knowledge Total Learning Credit	Hou 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 0	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 0	0 urs/ V T O O O O O O O O	0 Veek P 2 2 0 0 0 2 2 0 2 2 0 0 2 2	0 26 4 4 4 1 1 1 3 3 3 3 1
Code 18MAB302T 18CSC301T 18CSC306L 18CSP101L 18CSP103L 18CSP103L 18CSP103L 18PDM301L 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	Hou 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 0	C 4 3 4 4 1 1 3 3 3 3 1 1 0 0 22	18PDM204L 18CYM101T Code 18CSC303J 18CSC304J 18CSC305J 18CSC307L 18CSP104L 18CSP105L 18CSP105L 18CSP105L 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	Hou L 3 3 3 3 0 0 0 3 3 3 3 3 0 0 0 0 0 0 0	0 urs/ V T O O O O O O O O	0 Veek P 2 2 0 0 0 0 2 2 2 2 2 2	0 26 4 4 4 4 1 1 1 3 3 3 3 3 3 1 1 1 0 0 2 5
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Code 18MAB302T 18CSC301T 18CSC306L 18CSP101L 18CSP103L 18CSP103L 18PDM301L 18PDM301L 18PDM301L 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 Entrepreneurship Management Indian Traditional Knowledge Total Learning Credit Semester - VII Course Title Professional Elective - 5	Hou 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 0 2 2 0 0 0 0 2 2 0 0 0 0 0 0 0 0	C 4 4 3 4 1 1 3 3 3 3 1 1 0 0 0 22 C C 3	18PDM204L 18CYM101T Code 18CSC303J 18CSC305J 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	Hou L 3 3 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0 Veek P 2 2 0 0 0 0 2 2 2 Veek P	00 26 44 44 44 44 11 11 33 33 33 11 11 00 25
Code 18MAB302T 18CSC301T 18CSC306L 18CSP101L 18CSP103L 18CSP103L 18PDM301L 18PDM301L 18PDM301L 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 Entrepreneurship Management Indian Traditional Knowledge Total Learning Credit Semester - VII Course Title	Hotel L	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 4 4 3 4 4 1 1 3 3 3 3 3 1 1 0 0 0 22	18PDM204L 18CYM101T Code 18CSC303J 18CSC305J 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	Hou L 3 3 3 3 0 0 0 3 3 3 3 3 0 0 0 0 0 0 0	0	0 Veek P 2 2 0 0 0 0 0 2 2 2 0 0 0 0 Veek	CO 20 20 20 20 20 20 20 20 20 20 20 20 20
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