### **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



# 17. B.Tech. in Computer Science and Engineering with Specialization in Information Technology / B.Tech in Information Technology

#### 17. (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- Z	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

#### 17. (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
1 LO - 1	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
FEO - 3	Engineering.
PEO - 4	Graduates will be ethically and socially responsible solution providers and entrepreneurs in Computer Science and other engineering
PEU - 4	disciplines.
PEO - 5	Graduates will create local and global impact of computing on individuals, organizations, and society
PEO - 6	Graduates will use current techniques, skills and tools necessary for computing practice.

#### 17. (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	H	Н	H	Н
PEO - 1 PEO - 2	L	H	Н	Н	Н
PEO - 3	Н	Н	M	L	Н
PEO - 4	M	H	M	Н	Н
PEO - 5	Н	H	L	H	
PEO - 6	Н	L	L	Н	Н

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

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

						Progra	m Lear	ning Ou	tcomes	(PLO)		77			
			4	1	Gra	aduate At	tributes (0	GA)				K	Prog Out	g <mark>ram</mark> Spe comes (P	cific (SO)
	Engineering Knowledge	Problem Analysis	Design & Development	Analysis, Design, Research	Modem 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	Ĺ	L	L	Н	L	L	L	L	L	Н	Н	Н	Н	Н

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

#### PSO – Program Specific Outcomes (PSO)

100 1	rogram opecine dateomes (190)
PSO - 1	Ability to Utilize Concepts and Practices in Information Technology
PSO - 2	Evaluate and Administer Information Technology Systems
PSO - 3	Effective Integration of Information Technology Systems and Practices

## 17. (e) Program Structure: B.Tech. in Computer Science and Engineering with Specialization in Information Technology / B. Tech in Information Technology

18GNM101L   Physical and Mental Health using Yoga   0   0   2   0     18GSP110L   Semester Internship												
Code							Cauraa		lu	/ \ A	/I-	
Title	Course		Ног	ırs/ W	leek	,			_			_
IRLEHTOLD   Employer   IRLEHTOLD   Chemistry   Chemi			_			_				<u> </u>		
				_								
IBLEHIOLS  Japanese   IBLEHIOLS  Japanese			Ī	Ť	Ī							
IRLEMINAL   German       2   0   2   3							18MAB102T	Advanced Calculus and Complex Analysis				
	18LEH104J	German	2	0	2	3	18MAB201T	Transforms and Boundary Value Problems		1	0	4
Important   General Aptitude   0   0   2   1	18LEH105J	Japanese								1		4
Section   Procession   Proces							18MAB302T	Discrete Mathematics for Engineers	3	1	0	4
## Part							18BTB101T		2	0	0	
18PDH/2017   Employability Sibils & Practices   0   0   2   1   1   1   1   1   1   1   1   1								Total Learning Credits				32
S. Engineering Science Course (Course Course Course Title   Section   Title   Sect						_						
Course	18PDH2011		_	0	2		-		1			
Course		Total Learning Credits				12	li		Hou	_	_	_
Course		3 Engineering Science Courses (S)							L			
Title	Course		Ног	ırs/ W	leek	,	18CSC201J	Data Structures and Algorithms				
18MES101L   Engineering Graphics and Design   1			_	_		4	18CSC202J	Object Oriented Design and Programming				
				_	_				3			
18MES0302   Cold and Mechanical Engineering Workshop   1									3			
							1800002000	Software Engineering and Project Management				
18CSS201J   Analog and Digital Electronics   3   0   2   4   18CSS201J   Computer Communications   2   0   2   3   18CSS201J   Computer Communications   2   2   3   18CSS201J   Computer Networks   3   0   0   2   4   18CSS201J   Computer Networks   3   0   0   2   18CSS201J   Computational Programming and Technology   3   0   0   3   18CSS201J   Computational Programming and Technology   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Computational Pada Analysis   Computational Data Centra Administration and Management   3   0   0   3   18CSS261T   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and Management   3   0   0   3   18CSS201J   Information Storage and							18CSC200J	Advanced Programming Practice				
18CSS202J   Computer Communications			3	0	2	4						
S. Professional Elective Courses (E)	18CSS202J	Computer Communications	2	0	2	3						
S. Professional Elective Courses (E)		Total Learning Credits	i			23						
Bose-base												4
Course		5. Professional Elective Courses (E)					18CSC305J	Artificial Intelligence	3	0	2	4
Course		· ,					18CSC350T	Comprehension				1
Code	0		ŀ	lour	s/							
18CSE363T   Web Programming and Technology   3   0   0   3	Course	Course		Wee	k							
RSCSE3031   Integrative Programming and Technology	Code	Title	L	Τ	Р	С	18CSC307L		0	0	2	
18CSE3657   System Administration and Maintenance								Total Learning Credits				51
18CSE360T   Fundamentals of Virtualization   3   0   0   3	18CSE362T	Integrative Programming and Technology						The state of the s				
RecSe360T   Information Storage and Management   3   0   0   3   18CSE3661   Human Computer Interaction   3   0   0   3   3   18CSE3667   Computational Data Analysis   3   0   0   3   3   18CSE3657   Network Protocols and Programming   3   0   0   3   3   18CSE4527   Network Protocols and Programming   3   0   0   3   18CSE4517   Wireless Sensor Networks   3   0   0   3   18CSE4517   Wireless Sensor Networks   3   0   0   3   18CSE46517   Internet Security and Cyber Forensics   3   0   0   3   18CSE4627   Data Centre Administration and Management   3   0   0   3   18CSE4637   IT Service Management and Operations   3   0   0   3   18CSE4637   Computer Graphics and Game programming   3   0   0   3   18CSE4637   Computational Media   3   0   0   3   18CSE4647   Computer Graphics and Game programming   3   0   0   3   18CSE4637   Computational Media   3   0   0   3   18CSE4647   Computational Media   3   0   0   0   2   0   18ESPM0202   Entrepreneurial Skill Development   0   0   2   0   18ESPM0202   Entrepreneurial Skill Developmen	18CSF364T	System Administration and Maintenance	2	10	1	3		6 Open Flective Courses (O)				
18CSE367  Human Computer Interaction												
18CSE4527  Computational Data Analysis   3   0   0   3   18CSE4527  Network Protocols and Programming   3   0   0   3   18CSE4547  Wireless Sensor Networks   3   0   0   3   18CSE4617  Wireless Sensor Networks   3   0   0   3   18CSE4617  Wireless Sensor Networks   3   0   0   3   18CSE4617  Internet Security and Cyber Forensics   3   0   0   3   18CSE4627  Data Centre Administration and Management   3   0   0   3   18CSE4627  To Service Management and Operations   3   0   0   3   18CSE4627  Computer Graphics and Game programming   3   0   0   3   18CSE4647  Computer Graphics and Game programming   3   0   0   3   18CSE4657  Computational Media   5   0   0   0   3   18CSE4657  Computational Media   5   0   0   0   0   18CSE4657  Computational Media   5   0   0   0   0   0   0   0   0   0	18CSE365T	Fundamentals of Virtualization	3	0	0	3		Course	Hou	_		
18CSE452T   Network Protocols and Programming   3   0   0   3   3   18CSE451T   Wireless Sensor Networks   3   0   0   3   3   18CSE461T   Intermet Security and Cyber Forensics   3   0   0   3   3   18CSE461T   Intermet Security and Cyber Forensics   3   0   0   3   3   18CSE461T   Data Centre Administration and Management   3   0   0   3   3   18CSE463T   To Service Management and Operations   3   0   0   3   3   18CSE463T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE464T   Computer	18CSE365T 18CSE360T	Fundamentals of Virtualization Information Storage and Management	3	0	0	3	Code	Course Title	L	Т	Р	
RECSE451T   Wireless Sensor Networks   3   0   0   3   3   18CSE461T   Internet Security and Cyber Forensics   3   0   0   3   3   18CSE461T   Internet Security and Cyber Forensics   3   0   0   3   3   18CSE463T   Internet Security and Cyber Forensics   3   0   0   3   3   18CSE463T   Internet Security and Cyber Forensics   3   0   0   3   3   18CSE463T   IT Service Management and Operations   3   0   0   3   3   18CSE463T   IT Service Management and Operations   3   0   0   3   3   18CSE464T   Computer Graphics and Game programming   3   0   0   3   3   18CSE465T   Computational Media   Total Learning Credits   Total Learning Credits	18CSE365T 18CSE360T 18CSE366T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction	3 3	0 0	0 0	3 3	Code 18CSO101T	Course Title IT Infrastructure Management	L 3	T 0	P 0	3
18CSE461T   Internet Security and Cyber Forensics   3   0   0   0   3   18CSE462T   Data Centre Administration and Management   3   0   0   3   18CSE463T   IT Service Management and Operations   3   0   0   3   18CSE463T   Computer Graphics and Game programming   3   0   0   3   18CSE465T   Computational Media   Total Learning Credits   18	18CSE365T 18CSE360T 18CSE366T 18CSE397T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis	3 3 3 3	0 0 0	0 0 0	3 3 3	Code 18CSO101T 18CSO102T	Course Title IT Infrastructure Management Mobile Application Development	3 3	T 0 0	P 0 0	3
Rec   Pate Centre Administration and Management   3   0   0   3   18CSE463T   IT Service Management and Operations   3   0   0   3   3   18CSE465T   Computer Graphics and Game programming   3   0   0   3   3   18CSE465T   Computational Media   3   0   0   3   3   18CSE465T   Computational Media   3   0   0   3   3   18CSE465T   Computational Media   5   0   0   3   3   18CSE465T   Computational Media   5   0   0   3   3   3   3   0   0   3   3	18CSE365T 18CSE360T 18CSE366T 18CSE397T 18CSE452T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming	3 3 3 3	0 0 0 0	0 0 0 0	3 3 3 3 3	Code 18CSO101T 18CSO102T 18CSO103T	Course Title IT Infrastructure Management Mobile Application Development System Modeling and Simulation	3 3 3	T 0 0	P 0 0	3 3
Record   Technical Fractions   Section   Total Learning Credits   Tot	18CSE365T 18CSE360T 18CSE366T 18CSE397T 18CSE452T 18CSE451T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks	3 3 3 3 3	0 0 0 0 0	0 0 0 0 0	3 3 3 3 3	Code 18CSO101T 18CSO102T 18CSO103T 18CSO104T	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares	3 3 3 3	T 0 0 0	P 0 0 0	3 3 3
Total Learning Credits   18   Total Learning Credits   Total Learning Credits   18   Total Learning Credits   Total Learning Cred	18CSE365T 18CSE360T 18CSE366T 18CSE397T 18CSE452T 18CSE451T 18CSE461T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics	3 3 3 3 3 3	0 0 0 0 0 0	0 0 0 0 0 0	3 3 3 3 3 3	Code 18CSO101T 18CSO102T 18CSO103T 18CSO104T 18CSO105T	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development	3 3 3 3 3	0 0 0 0	P 0 0 0 0	3 3 3 3 3
Total Learning Credits	18CSE365T 18CSE360T 18CSE366T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE462T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management	3 3 3 3 3 3 3	0 0 0 0 0 0 0	0 0 0 0 0 0 0	3 3 3 3 3 3 3	Code 18CSO101T 18CSO102T 18CSO103T 18CSO104T 18CSO105T 18CSO106T	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool	L 3 3 3 3 3 3	T 0 0 0 0 0	P 0 0 0 0 0	3 3 3 3 3
T. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P)   Course   Code   Course Title   L   T   P   C   18PDM101L   Professional Skills and Practices   0   0   2   0   18PDM201L   Competencies in Social Skills   O   0   2   0   18PDM201L   Industrial Training-I   18PDM201L   Industrial Training-I   18CSP101L   Massive Open Online Course - I   18CSP101L   Massive Open Online Course - II   18CSP101L   Massive	18CSE365T 18CSE360T 18CSE366T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE462T 18CSE463T 18CSE464T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming	3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	3 3 3 3 3 3 3 3	Code 18CSO101T 18CSO102T 18CSO103T 18CSO104T 18CSO105T 18CSO106T	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development	L 3 3 3 3 3 3	T 0 0 0 0 0	P 0 0 0 0 0	3 3 3 3 3 3
Name	18CSE365T 18CSE360T 18CSE366T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE462T 18CSE463T 18CSE464T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media	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	3 3 3 3 3 3 3 3 3	Code 18CSO101T 18CSO102T 18CSO103T 18CSO104T 18CSO105T 18CSO106T	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development	L 3 3 3 3 3 3	T 0 0 0 0 0	P 0 0 0 0 0	3 3 3 3 3 3
Course   Course   Course   Course   Course   Course   Course   Code   Course   Title   Code   Course   Title   Code   Course   Code   Course   Title   Code   Code   Title   Code   Title   Code	18CSE365T 18CSE360T 18CSE366T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE462T 18CSE463T 18CSE464T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media	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	3 3 3 3 3 3 3 3 3 3	Code 18CSO101T 18CSO102T 18CSO103T 18CSO104T 18CSO105T 18CSO106T	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development Total Learning Credits	L 3 3 3 3 3 3	T 0 0 0 0 0	P 0 0 0 0 0	3 3 3 3 3 3
Code   Course Title   L   T   P   C   18PDM101L   Professional Skills and Practices   0   0   2   0   18PDM201L   Competencies in Social Skills   18PDM202L   Entrepreneurial Skill Development   18PDM202L   Critical and Creative Thinking Skills   18PDM204L   Business Basics for Entrepreneurs   18PDM301L   Analytical and Logical Thinking Skills   18PDM301L   Analytical and Logical Thinking Skills   18PDM301L   Entrepreneurship Management   1   0   0   0   18CSP105L   Industrial Training-I   18	18CSE365T 18CSE360T 18CSE366T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE462T 18CSE463T 18CSE464T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media	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	3 3 3 3 3 3 3 3 3 3	Code 18CSO101T 18CSO102T 18CSO103T 18CSO104T 18CSO105T 18CSO106T	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development Total Learning Credits  7. Project Work, Seminar, Internship In	L 3 3 3 3 3 3	T 0 0 0 0 0	P 0 0 0 0 0	3 3 3 3 3 3
RepM101L	18CSE365T 18CSE360T 18CSE366T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE462T 18CSE463T 18CSE464T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media	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	3 3 3 3 3 3 3 3 3 3	Code 18CSO101T 18CSO102T 18CSO103T 18CSO104T 18CSO105T 18CSO106T 18CSO107T	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P)	L 3 3 3 3 3 3 3 3	0 0 0 0 0 0	P 0 0 0 0 0 0	3 3 3 3 3 3
18PDM201L   Competencies in Social Skills   18PDM202L   Entrepreneurial Skill Development   18PDM202L   Critical and Creative Thinking Skills   18PDM204L   Business Basics for Entrepreneurs   18PDM301L   Analytical and Logical Thinking Skills   18PDM302L   Entrepreneurship Management   1	18CSE365T 18CSE360T 18CSE366T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE463T 18CSE465T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media Total Learning Credits  8. Mandatory Courses (M)	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 1 3 1 3 1	Code  18CSO101T 18CSO102T 18CSO103T 18CSO104T 18CSO105T 18CSO106T 18CSO107T  Course	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development  Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course	L 3 3 3 3 3 3 3 3	T 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	3 3 3 3 3 3 12
18PDM203L   Entrepreneurial Skill Development   18PDM203L   Entrepreneurial Skill Development   18PDM204L   Entrepreneurial Skill Development   18PDM204L   Entrepreneurial Skill Development   18PDM204L   18PD	18CSE365T 18CSE360T 18CSE366T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE463T 18CSE465T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media Total Learning Credits  8. Mandatory Courses (M)	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 1 3 1 3 1	Code  18CSO101T  18CSO102T  18CSO103T  18CSO105T  18CSO106T  18CSO107T  Course  Code	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development  Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title	L 3 3 3 3 3 3 3 3	T 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	3 3 3 3 3 3 12
18PDM203L   Entrepreneural Skill Development   18PDM204L   Critical and Creative Thinking Skills   18PDM204L   Business Basics for Entrepreneurs   18PDM204L   Business Basics for Entrepreneurs   18PDM201L   Analytical and Logical Thinking Skills   18PDM204L   Entrepreneurship Management   18PDM204L   Entrepreneurship Management   18PDM204L   Entrepreneurship Management   18LEM101T   Constitution of India   1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18CSE365T 18CSE360T 18CSE336T 18CSE396T 18CSE452T 18CSE451T 18CSE461T 18CSE463T 18CSE463T 18CSE465T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices	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 0	3 3 3 3 3 3 3 3 3 3 3 3 18	Code  18CSO101T  18CSO102T  18CSO103T  18CSO105T  18CSO106T  18CSO107T  Course  Code  18CSP101L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title Massive Open Online Course - I	3 3 3 3 3 3 3 4 1 1 1 1 1 1 1 1	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	3 3 3 3 3 3 12
18PDM204L   Business Basics for Entrepreneurs   0   0   2   0   18PDM301L   Analytical and Logical Thinking Skills   18PDM302L   Entrepreneurship Management   1   0   0   0   2   0   18LEM102J   Value Education   1   0   1   0   18GNM101L   Physical and Mental Health using Yoga   18GNM102L   NSS   18GNM103L   NSC   18GNM103L   NSC   18GNM103L   NSC   18GNM104L   NSO   18LEM109T   Indian Traditional Knowledge   1   0   0   0   0   0   0   0   0   0	18CSE365T 18CSE360T 18CSE360T 18CSE396T 18CSE452T 18CSE451T 18CSE461T 18CSE463T 18CSE463T 18CSE465T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media  Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices Competencies in Social Skills	3 3 3 3 3 3 3 3 3 3 3 4 4 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 0 0 0	3 3 3 3 3 3 3 3 3 3 3 18	Code  18CSO101T 18CSO103T 18CSO103T 18CSO105T 18CSO106T 18CSO106T 18CSO107T  Course Code 18CSP101L 18CSP101L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title Massive Open Online Course - I Industrial Training-I	3 3 3 3 3 3 3 4 1 1 1 1 1 1 1 1	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	3 3 3 3 3 3 12
TabPDM204L   Business Basics for Entrepreneurs   BaPDM301L   Analytical and Logical Thinking Skills   18PDM302L   Entrepreneurship Management   1 0 0 0 0   18LEM1017   Constitution of India   1 0 0 0 0   18CSP108L   Internship (4-6 weeks)   18CSP108L   Internship (4-6	18CSE365T 18CSE360T 18CSE360T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE463T 18CSE463T 18CSE465T	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices Competencies in Social Skills Entrepreneurial Skill Development	3 3 3 3 3 3 3 3 3 3 3 4 4 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 0 0 0	3 3 3 3 3 3 3 3 3 3 3 18	Code  18CSO101T 18CSO102T 18CSO104T 18CSO105T 18CSO106T 18CSO107T  Course Code 18CSP101L 18CSP101L 18CSP103L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title Massive Open Online Course - I Industrial Training-I Seminar - I	3 3 3 3 3 3 3 4 1 1 1 1 1 1 1 1	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	3 3 3 3 3 3 12
18PDM302L   Entrepreneurship Management   1 0 0 0 0   2 0 0   18LEM1017   Constitution of India	18CSE365T 18CSE360T 18CSE360T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE465T 18CSE465T 18CSE465T Code 18PDM201L 18PDM203L 18PDM203L	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices Competencies in Social Skills Entrepreneurial Skill Development Critical and Creative Thinking Skills	3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Code  18CSO101T 18CSO102T 18CSO104T 18CSO105T 18CSO106T 18CSO107T  Course Code 18CSP101L 18CSP101L 18CSP101L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title Massive Open Online Course - I Industrial Training-I Seminar - I Massive Open Online Course - II	Hou L 0	0 0 0 0 0 0 0 0 T	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 12
Table   Tabl	18CSE365T 18CSE360T 18CSE360T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE463T 18CSE465T Code 18PDM101L 18PDM201L 18PDM201L 18PDM202L 18PDM204L	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media  Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices Competencies in Social Skills Entrepreneurial Skill Development Critical and Creative Thinking Skills Business Basics for Entrepreneurs	3 3 3 3 3 3 3 3 3 3 3 4 4 1 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 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Code  18CSO101T  18CSO102T  18CSO103T  18CSO105T  18CSO106T  18CSO107T  Course  Code  18CSP101L  18CSP102L  18CSP103L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development  Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P)  Course Title Massive Open Online Course - I Industrial Training-I Seminar - I Massive Open Online Course - II Industrial Training-II	Hou L 0	0 0 0 0 0 0 0 0 T	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 12
18LEM102J   Value Education	18CSE365T 18CSE360T 18CSE360T 18CSE396T 18CSE452T 18CSE451T 18CSE461T 18CSE463T 18CSE463T 18CSE465T 18CSE4	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media  Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices Competencies in Social Skills Entrepreneurial Skill Development Critical and Creative Thinking Skills Business Basics for Entrepreneurs Analytical and Logical Thinking Skills	3 3 3 3 3 3 3 3 3 3 3 4 4 4 6 6 6 6 7 6 7 7 7 8 7 8 7 8 7 8 7 8 7 8	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 0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 3 3 3 3 18	Code  18CSO101T  18CSO102T  18CSO103T  18CSO105T  18CSO106T  18CSO107T  Course  Code  18CSP101L  18CSP102L  18CSP102L  18CSP105L  18CSP105L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development  Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title Massive Open Online Course - I Industrial Training-I Seminar - I Massive Open Online Course - II Industrial Training-II Seminar - III	Hou L 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	3 3 3 3 3 3 3 12
18GNM101L   Physical and Mental Health using Yoga   0   0   2   0   18GNM102L   NSS   18GNM103L   NCC   18GNM104L   NSO   18LEM109T   Indian Traditional Knowledge   1   0   0   0   2   0   18LEM110L   Indian Art Form   0   0   2   0   0   0   0   0   0   0	18CSE365T 18CSE360T 18CSE360T 18CSE360T 18CSE397T 18CSE451T 18CSE461T 18CSE461T 18CSE463T 18CSE465T 18CSE4	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media  Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices Competencies in Social Skills Entrepreneurial Skill Development Critical and Creative Thinking Skills Business Basics for Entrepreneurs Analytical and Logical Thinking Skills Entrepreneurship Management	3 3 3 3 3 3 3 3 3 3 3 3 4 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 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 3 3 3 18	Code  18CSO101T 18CSO102T 18CSO103T 18CSO104T 18CSO105T 18CSO106T 18CSO106T 18CSO107T  Course Code 18CSP101L 18CSP101L 18CSP102L 18CSP103L 18CSP106L 18CSP106L 18CSP106L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development  Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title Massive Open Online Course - I Industrial Training-I Seminar - I Massive Open Online Course - II Industrial Training-II Seminar - II Massive Open Online Course - II Industrial Training-II Seminar - II Mindustrial Training-II Seminar - II Minor Project	Hou L 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	3 3 3 3 3 3 3 12
18GNM102L   NSS     15   15   16GNM103L   NCC   18GNM104L   NSO   18LEM109T   Indian Traditional Knowledge   1 0 0 0 0   18LEM110L   Indian Art Form   0 0 0 2 0 0   18LEM110L   Indian Art Form   0 0 0 2 0 0   18LEM110L   Indian Art Form   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18CSE365T 18CSE360T 18CSE360T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE463T 18CSE463T 18CSE463T 18CSE465T 18CSE4	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices Competencies in Social Skills Entrepreneurial Skill Development Critical and Creative Thinking Skills Business Basics for Entrepreneurs Analytical and Logical Thinking Skills Entrepreneurship Management Constitution of India	3 3 3 3 3 3 3 3 3 3 3 3 4 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 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 3 3 3 18	Code  18CSO101T 18CSO102T 18CSO103T 18CSO104T 18CSO105T 18CSO106T 18CSO106T 18CSO107T  Course Code 18CSP101L 18CSP101L 18CSP103L 18CSP105L 18CSP105L 18CSP106L 18CSP106L 18CSP106L 18CSP106L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title Massive Open Online Course - I Industrial Training-I Seminar - I Massive Open Online Course - II Industrial Training-II Seminar - II Minor Project Internship (4-6 weeks)	Hou L 0	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P	3 3 3 3 3 3 3 3 12
18GNM103L 18GNM104L NSO         NCC 18GNM104L 18LEM109T 10dian Traditional Knowledge         1 0 0 0 1 0 0         0 0 0 2 0           18LEM110L 10dian Art Form         0 0 2 0         0 0 0	18CSE365T 18CSE360T 18CSE360T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE465T 18CSE465T 18CSE465T 18CSE465T 18CSE465T 18CSE465T 18PDM201L 18PDM201L 18PDM201L 18PDM301L 18PDM301L 18PDM301L 18PDM301L 18PDM301L 18PDM301L 18PDM301L 18PDM301L 18PDM301L 18PDM301L 18PDM301L 18PDM301L	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computer Graphics and Game programming Computational Media Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices Competencies in Social Skills Entrepreneurial Skill Development Critical and Creative Thinking Skills Business Basics for Entrepreneurs Analytical and Logical Thinking Skills Entrepreneurship Management Constitution of India Value Education	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 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Code  18CSO101T 18CSO102T 18CSO104T 18CSO105T 18CSO106T 18CSO107T  Course Code 18CSP101L 18CSP101L 18CSP101L 18CSP105L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title Massive Open Online Course - I Industrial Training-I Seminar - I Massive Open Online Course - II Industrial Training-II Seminar - II Minor Project Internship (4-6 weeks) Project	Hou L 0	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P	3 3 3 3 3 3 3 3 3 12 C 1 1
18GNM104L       NSO         18LEM109T       Indian Traditional Knowledge       1       0       0       0         18LEM110L       Indian Art Form       0       0       2       0	18CSE365T 18CSE360T 18CSE360T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE461T 18CSE465T 18CSE465T 18CSE465T 18CSE465T 18CSE464T 18CSE465T 18CSE465T 18PDM201L 18PDM201L 18PDM203L 18PDM301L	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices Competencies in Social Skills Entrepreneurial Skill Development Critical and Creative Thinking Skills Business Basics for Entrepreneurs Analytical and Logical Thinking Skills Entrepreneurship Management Constitution of India Value Education Physical and Mental Health using Yoga	3 3 3 3 3 3 3 3 3 3 3 3 4 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 0 0 0 0 0 0 0 0 0 0 0 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Code  18CSO101T 18CSO102T 18CSO104T 18CSO105T 18CSO106T 18CSO107T  Course Code 18CSP101L 18CSP101L 18CSP101L 18CSP105L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development  Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title Massive Open Online Course - I Industrial Training-I Seminar - I Massive Open Online Course - II Industrial Training-II Seminar - II Minor Project Internship (4-6 weeks) Project Semester Internship	Hou L 0	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P	3 3 3 3 3 3 3 3 12
18LEM110L Indian Art Form 0 0 2 0	18CSE365T 18CSE360T 18CSE360T 18CSE360T 18CSE397T 18CSE451T 18CSE461T 18CSE461T 18CSE463T 18CSE465T  Code 18PDM101L 18PDM201L 18PDM201L 18PDM201L 18PDM301L	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media  Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices Competencies in Social Skills Entrepreneurial Skill Development Critical and Creative Thinking Skills Business Basics for Entrepreneurs Analytical and Logical Thinking Skills Entrepreneurship Management Constitution of India Value Education Physical and Mental Health using Yoga NSS	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 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Code  18CSO101T 18CSO102T 18CSO104T 18CSO105T 18CSO106T 18CSO107T  Course Code 18CSP101L 18CSP101L 18CSP101L 18CSP105L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development  Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title Massive Open Online Course - I Industrial Training-I Seminar - I Massive Open Online Course - II Industrial Training-II Seminar - II Minor Project Internship (4-6 weeks) Project Semester Internship	Hou L 0	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P	3 3 3 3 3 3 3 3 3 12 C 1 1
	18CSE365T 18CSE360T 18CSE360T 18CSE360T 18CSE397T 18CSE451T 18CSE461T 18CSE461T 18CSE463T 18CSE463T 18CSE463T 18CSE465T  Code 18PDM101L 18PDM203L 18PDM204L 18PDM204L 18PDM301L	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media  Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices Competencies in Social Skills Entrepreneurial Skill Development Critical and Creative Thinking Skills Business Basics for Entrepreneurs Analytical and Logical Thinking Skills Entrepreneurship Management Constitution of India Value Education Physical and Mental Health using Yoga NSS NCC	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 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Code  18CSO101T 18CSO102T 18CSO104T 18CSO105T 18CSO106T 18CSO107T  Course Code 18CSP101L 18CSP101L 18CSP101L 18CSP105L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development  Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title Massive Open Online Course - I Industrial Training-I Seminar - I Massive Open Online Course - II Industrial Training-II Seminar - II Minor Project Internship (4-6 weeks) Project Semester Internship	Hou L 0	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P	3 3 3 3 3 3 3 3 3 12 C 1 1
18CYM101T   Environmental Science	18CSE365T 18CSE360T 18CSE360T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE463T 18CSE463T 18CSE463T 18CSE463T 18CSE461T 18CSE46T 18CSE46T 18CSE46T 18CSE46T 18CSE46T 18CSE46T 18CSE46T 18C	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices Competencies in Social Skills Entrepreneurial Skill Development Critical and Creative Thinking Skills Business Basics for Entrepreneurs Analytical and Logical Thinking Skills Entrepreneurship Management Constitution of India Value Education Physical and Mental Health using Yoga NSS NCC NSO	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 0 0 0 0 0	P 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Code  18CSO101T 18CSO102T 18CSO104T 18CSO105T 18CSO106T 18CSO107T  Course Code 18CSP101L 18CSP101L 18CSP101L 18CSP105L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development  Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title Massive Open Online Course - I Industrial Training-I Seminar - I Massive Open Online Course - II Industrial Training-II Seminar - II Minor Project Internship (4-6 weeks) Project Semester Internship	Hou L 0	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P	3 3 3 3 3 3 3 3 3 12 C 1 1
<u> </u>	18CSE365T 18CSE360T 18CSE360T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE465T 18CSE465T 18CSE465T 18CSE461T 18CSE4	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices Competencies in Social Skills Entrepreneurial Skill Development Critical and Creative Thinking Skills Business Basics for Entrepreneurs Analytical and Logical Thinking Skills Entrepreneurship Management Constitution of India Value Education Physical and Mental Health using Yoga NSS NCC NSO Indian Traditional Knowledge Indian Art Form	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 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Code  18CSO101T 18CSO102T 18CSO104T 18CSO105T 18CSO106T 18CSO107T  Course Code 18CSP101L 18CSP101L 18CSP101L 18CSP105L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development  Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title Massive Open Online Course - I Industrial Training-I Seminar - I Massive Open Online Course - II Industrial Training-II Seminar - II Minor Project Internship (4-6 weeks) Project Semester Internship	Hou L 0	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P	3 3 3 3 3 3 3 3 3 12 C 1 1
	18CSE365T 18CSE360T 18CSE360T 18CSE397T 18CSE452T 18CSE451T 18CSE461T 18CSE461T 18CSE465T  Code 18PDM101L 18PDM201L 18PDM301L	Fundamentals of Virtualization Information Storage and Management Human Computer Interaction Computational Data Analysis Network Protocols and Programming Wireless Sensor Networks Internet Security and Cyber Forensics Data Centre Administration and Management IT Service Management and Operations Computer Graphics and Game programming Computational Media Total Learning Credits  8. Mandatory Courses (M) Course Title Professional Skills and Practices Competencies in Social Skills Entrepreneurial Skill Development Critical and Creative Thinking Skills Business Basics for Entrepreneurs Analytical and Logical Thinking Skills Entrepreneurship Management Constitution of India Value Education Physical and Mental Health using Yoga NSS NCC NSO Indian Traditional Knowledge Indian Art Form	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 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Code  18CSO101T 18CSO102T 18CSO104T 18CSO105T 18CSO106T 18CSO107T  Course Code 18CSP101L 18CSP101L 18CSP101L 18CSP105L	Course Title  IT Infrastructure Management Mobile Application Development System Modeling and Simulation Free and Open Source Softwares Android Development Data Analysis using Open Source Tool IOS Development  Total Learning Credits  7. Project Work, Seminar, Internship In Industry / Higher Technical Institutions (P) Course Title Massive Open Online Course - I Industrial Training-I Seminar - I Massive Open Online Course - II Industrial Training-II Seminar - II Minor Project Internship (4-6 weeks) Project Semester Internship	Hou L 0	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P	3 3 3 3 3 3 3 3 3 12 C 1 1

#### 17. (f) Program Articulation: B.Tech. in Computer Science and Engineering with Specialization in Information Technology / B. Tech in Information Technology

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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	M	₽	L	L	М	H	М	L	Н	L	Н	Н
	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	M	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	H	L	Н	Н
	Formal Language and Automata	Н	Н	Н	Н	L	L	L	L	М	М	L	Н	Н	Н	Н
18CSC302J		Н	Н	Н	Н	Н	М	L	М	Н	М	М	Н	Н	Н	М
	Database Management Systems	Н	Н	Н	Н	Н	М	L	М	Н	М	М	Н	Н	Н	М
	Compiler Design	Н	Н	Н	Н	М	L	Ĺ	L	М	М	L	Н	Н	Н	Н
	Artificial Intelligence	Н	Н	Н	Н	M	М	L	L	М	М	L	Н	Н	Н	H
	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	H	L	L	М	Н	Н	М	Н	Н	Н	Н
	Competitive Professional Skills-III	Н	Н	Н	Н	Н	L	L	М	Н	Н	М	Н	Н	Н	Н
	Web Programming	L	М	Н	L	Н	L	L	L	L	L	L	М	М	L	L
18CSE362T	Integrative Programming and Technology	L	M	Н	L	Н	L	L	L	L	L	L	L	L	L	Н
18CSE364T	System Administration and Maintenance	L	L	L	Н	L	L	М	Н	L	L	L	М	L	L	L
18CSE365T	Fundamentals of Virtualization	L	L	L	Н	Н	L	L	L	L	L	L	L	L	М	L
18CSE360T		L	L	L	M	L	L	Н	L	L	L	М	L	L	Н	L
	Human Computer Interaction	L	L	L	М	Н	L	L	L	М	L	L	L	L	М	L
	Computational Data Analysis	L	L	L	Н	Н	L	L	L	L	L	L	L	М	L	L
	Network Protocols and Programming	H	L	Н	L	L	L	L	L	L	L	L	L	L	L	L
	Wireless Sensor Networks	L	L	L	Н	L	L	L	L	L	L	L	Ļ	Н	М	L
	Internet Security and Cyber Forensics	L	М	L	Н	L	L	М	L	L	L	L	L	L	М	М
	Data Centre Administration and Management  IT Service Management and Operations	L	M H	L	H	L	L	H	L	L	L	M	L	L	L	M L
	Computer Graphics and Game programming	L	L	Н	L	Н	L	L	L	Н	L	L	L	L	M	L
	Computational Media	L	L	Н	L	Н	L	L	L	Н	L	L	L	L	M	L
	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	M	М	M	M	M	M	Н	Н	Н	M	Н	Н	Н
18CSP103L	Oranica I															
1000F 103L	Seminar - I	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
1000P104L	Massive Open Online Course - II	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
18CSP105L		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		Н	Н	Н	Н	Н	М	М	Н	Н	Н	Н	Н	Н	М	М
18CSP108L		Н	Н	Н	Н	Н	М	М	Н	Н	Н	Н	Н	Н	М	М
18CSP109L	Project 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
1	Program Average	Н	Н	М	Н	М	L	М	L	М	М	М	Н	М	М	М

#### 17. (g) Implementation Plan: B.Tech. in Computer Science and Engineering with Specialization in Information Technology / B. Tech in Information Technology

	Semester - I						Semester - II				
Code	Course Title	Ηοι	ırs/ V	Veek	С	Code	Course Title	Ηοι	ırs/ V	Veek	С
		L	T	P			Chinese / French / German / Japanese/ Korean	L 2	T	Р	3
18LEH101J	English Calculus and Linear Algebra	3	0	0	3	18LEH10XJ	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	C
	Physical and Mental Health using Yoga	0	0	2	0	18GNM102L					
	Total Learning Credit	s			20	18GNM103L	NCC	0	0	2	(
						18GNM104L					2
							Total Learning Credits				
	Semester - III	1	///	., .			Semester - IV	1	/11		
Code	Course Title	L	ırs/V	P	С	Code	Course Title	Hou	ırs/V	P	C
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	0	2	_ ′
	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		Competitive Professional Skills-I	0	0	2	17
8PDM203L	Entrepreneurial Skill Development	70	U	2	U		Social Engineering	2	0	0	1
	Total Learning Credit	s			24		Critical and Creative Thinking Skills	0	0	2	(
					27		D D	U	U		(
					24		Business Basics for Entrepreneurs				
	之/ 褒			Š			Business Basics for Entrepreneurs Environmental Science Total Learning Credits	1	0	0	
ij				1	24		Environmental Science Total Learning Credits	1	0	0	2
	Semester - V	Ног	urs/V	Veek		18CYM101T	Environmental Science Total Learning Credits  Semester - VI	1 Hou			2
Code	Semester - V Course Title	L	ırs/ V	Р	С	18CYM101T	Environmental Science Total Learning Credits  Semester - VI  Course Title	L	ırs/ V	Veek	2
18MAB302T	Semester - V  Course Title  Discrete Mathematics for Engineers	L 3	T 1	P 0	C 4	18CYM101T  Code 18CSC303J	Environmental Science Total Learning Credits  Semester - VI  Course Title  Database Management Systems	L 3	irs/ V	Veek	(
18MAB302T 18CSC301T	Semester - V  Course Title  Discrete Mathematics for Engineers  Formal Language and Automata	3 3	T 1 0	P 0 0	C 4 3	18CYM101T  Code  18CSC303J 18CSC304J	Environmental Science Total Learning Credits  Semester - VI  Course Title  Database Management Systems Compiler Design	3 3	T 0 0	Veek P 2 2	(
18MAB302T 18CSC301T 18CSC302J	Semester - V  Course Title  Discrete Mathematics for Engineers Formal Language and Automata Computer Networks	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	3 3 3	T 0 0 0	Veek P 2 2 2 2	((
18MAB302T 18CSC301T 18CSC302J 18CSC306L	Semester - V  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	C 4 3 4 1	Code  18CSC303J 18CSC305J 18CSC305J 18CSC350T	Environmental Science 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	((
8MAB302T 8CSC301T 8CSC302J 8CSC306L	Semester - V  Course Title  Discrete Mathematics for Engineers Formal Language and Automata Computer Networks Competitive Professional Skills-II Professional Elective – 1	3 3 3 0 3	T 1 0 0 0	P 0 0 2 2 2	C 4 3 4 1 3 3	Code  18CSC303J 18CSC305J 18CSC305J 18CSC350T	Environmental Science 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 1 1 0	Veek P 2 2 2 0 2	(
8MAB302T 8CSC301T 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	L 3 3 0 0 3 3	T 1 0 0 0 0	P 0 0 2 2 2 0	C 4 3 4 1 3 3 3	Code  18CSC303J 18CSC305J 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	3 3 3 0 0 3	T 0 0 0 1 1 0 0 0	Veek P 2 2 2 0 2 0 0	((
8MAB302T 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	3 3 3 0 3	T 1 0 0 0	P 0 0 2 2 2 0	C 4 3 4 1 3 3	Code  18CSC303J 18CSC305J 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	L 3 3 0 0 0 3 3	T 0 0 0 1 1 0 0 0 0 0	Veek P 2 2 2 0 0 2 0 0 0	((
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	3 3 3 0 3 3 3	T 1 0 0 0 0 0	P 0 0 2 2 2 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	3 3 3 0 0 3	T 0 0 0 1 1 0 0 0	Veek P 2 2 2 0 2 0 0	2
8MAB302T 8CSC301T 8CSC302J 8CSC306L 8CSC306L 8CSP101L 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	L 3 3 0 0 3 3	T 1 0 0 0 0	P 0 0 2 2 2 0	C 4 3 4 1 3 3 3	Code 18CSC303J 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	L 3 3 0 0 0 3 3 3	T 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0	((
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	3 3 3 0 3 3 3	T 1 0 0 0 0 0	P 0 0 2 2 2 0 0	C 4 3 4 1 3 3 3 3 3	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	L 3 3 0 0 0 3 3	T 0 0 0 1 1 0 0 0 0 0	Veek P 2 2 2 0 0 2 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
8MAB302T 8CSC301T 8CSC302J 8CSC306L 8CSP101L 8CSP102L 8CSP103L 8PDM301L	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	L 3 3 0 3 3 3 3	T 1 0 0 0 0 0	P 0 0 2 2 2 0 0 0	C 4 3 3 4 1 1 3 3 3 3 1 1	Code  18CSC303J 18CSC304J 18CSC305T 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	3 3 0 0 3 3 3 3	T 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2	((
8MAB302T 8CSC301T 8CSC302J 8CSC306L 8CSP101L 8CSP102L 8CSP103L 8PDM301L 8PDM302L	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	3 3 3 0 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	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	3 3 0 0 3 3 3 0 0	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Week P 2 2 2 0 0 0 0 2	((
8MAB302T 8CSC301T 8CSC302J 8CSC306L 8CSP101L 8CSP102L 8CSP103L 8PDM301L 8PDM302L	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	L 3 3 3 0 3 3 3 0 0	T 1 0 0 0 0 0	P 0 0 2 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	3 3 0 0 3 3 3 3	T 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0	Veek P 2 2 2 0 0 0 0 0 2 2	
8MAB302T 8CSC301T 8CSC302J 8CSC306L 8CSP101L 8CSP102L 8CSP103L 8PDM301L 8PDM302L	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	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 2 2 2 0 0 0 0 2 2 2 2 2 2 2 2 2 2	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	3 3 0 0 3 3 3 0 0	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Week P 2 2 2 0 0 0 0 2	
8MAB302T 8CSC301T 18CSC302J 8CSC306L 18CSP101L 18CSP102L 18CSP103L 8PDM301L 8PDM302L	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	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 2 2 2 0 0 0 0 2 2 2 2 2 2 2 2 2 2	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 Total Learning Credits	3 3 0 0 3 3 3 0 0	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Week P 2 2 2 0 0 0 0 2	
8MAB302T 18CSC301T 18CSC302J 18CSC306L 18CSP101L 18CSP101L 18CSP103L 18CSP103L 18PDM301L 18PDM302L	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	3 3 3 3 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 0 0 0 0 0 0 0 0 0 0 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 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	L 3 3 0 0 0 3 3 3 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	
8MAB302T 8CSC301T 18CSC302J 8CSC306L 18CSP101L 18CSP102L 18CSP103L 8PDM301L 8PDM302L	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	3 3 3 3 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 0 0 0 0 0 0 0 0 0 0 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 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	L 3 3 0 0 0 3 3 3 0 0 0 0 0 0	T 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	((
8MAB302T 8CSC301T 8CSC302J 8CSC306L 8CSC306L 8CSP101L 8CSP103L 8CSP103L 8PDM301L 8PDM301L 8PDM301L 8PDM301L	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	3 3 3 3 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 0 2 2 0 0 0 0 0 0 0 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   18CSC307L   18CSP104L   18CSP106L   18CSP106L   18CDH101L   18LEM110L   Code   18CSP109L   18	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	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 Trs/V	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 2 Veek P	2
8MAB302T 8CSC301T 8CSC302J 8CSC306L 8CSC306L 8CSP101L 8CSP103L 8CSP103L 8PDM301L 8PDM301L 8PDM301L 8PDM301L	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	L 3 3 3 3 3 0 0 1 1 1 s	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 4 3 4 4 1 1 3 3 3 3 1 1 0 0 22 C C	Code   18CSC303J   18CSC305J   18CSC307L   18CSP104L   18CSP106L   18CSP106L   18CDH101L   18LEM110L   Code   18CSP109L   18	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	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	((22
8MAB302T 8CSC301T 8CSC302J 8CSC306L 8CSP101L 8CSP102L 8CSP103L 8PDM301L 8PDM301L 8LEM109T	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	L 3 3 3 3 3 0 0 0 1 1 s s	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	Code   18CSC303J   18CSC305J   18CSC307L   18CSP104L   18CSP106L   18CSP106L   18CDH101L   18LEM110L   Code   18CSP109L   18	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	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 Trs/V	Veek P 2 2 2 0 0 0 0 0 2 2 2 2 2 2 Veek P	(
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