First Semeste	Minimum Credits to be Earne	NOLOGY d 173.0					
	r						
		Objective	a ^o Outaamaa				
Code No.	Course	Objective	s &Outcomes	L	т	Р	C
		PEOs	POs				
18IT101	ENGINEERING MATHEMATICS I	I,II,IV	a,b	3	1	0	4
18IT102	ENGINEERING PHYSICS I	I,II,III,IV	a,b,i	2	0	2	3
18IT103	ENGINEERING CHEMISTRY I	I,II,III,IV	a,b,g	2	0	2	3
18IT104	COMPUTER PROGRAMMING I	I,II,IV	a,b,d,m	2	0	2	3
18HS101	COMMUNICATIVE ENGLISH I	I,II,III,IV	i,j	1	0	2	2
18IT106	HARDWARE ASSEMBLING AND SOFTWARE TOOLS LABORATORY	I,II,III,IV	a,b,e	0	0	4	2
		.,,,	Total	10	1	12	17.0
Second Seme	ster						
							г -
Code No.	Course	Objective	s &Outcomes	L	Ιт	lР	С
	004.00	PEOs	POs	-	-	-	
18IT201	ENGINEERING MATHEMATICS II	I,II,IV	a,b	3	1	0	4
18IT202	ENGINEERING PHYSICS II	I,II,III,I∨	a,b,i	2	0	2	3
18IT203	ENGINEERING CHEMISTRY II	I,II,III,IV	a,b,g	2	0	2	3
18IT204	COMPUTER PROGRAMMING II	I,II,III,IV	a,b,c,d,e,m	2	0	2	3
1011204	LANGUAGE ELECTIVE	1,11,111,1 V	a,b,b,u,e,III	-	-	-	2
40/7000		- - 	-				
18IT206	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	I,II,III,IV	a,b,c	2	0	2	3
18IT207	ENGINEERING GRAPHICS	I,II,III,IV	a,b,i	1	0	4	3
			Total	12	1	12	21.0
Third Semeste	er						
		Objective	s &Outcomes				
Code No.	Course			L	т	P	C
		PEOs	POs				
18IT301	ENGINEERING MATHEMATICS III	I,II,IV	a,b	3	1	0	4
18IT302	DIGITAL SYSTEM DESIGN	I,II,III,IV	a,b,c	3	1	0	4
18IT303	COMPUTER ORGANIZATION AND ARCHITECTURE	I,II,III,IV	a,b,c,h,l	3	0	0	3
18IT304	DATA STRUCTURES AND ALGORITHMS	I,II,III,IV	a,b,c,d	3	0	0	3
18IT305	OBJECT ORIENTED PROGRAMMING WITH CPP and JAVA	I,II,III,IV	b,c,e,m,n	2	0	2	3
18IT306	SOFTWARE ENGINEERING	I,II,III,IV	a,b,c,d,e,k,l	3	0	0	3
18IT307	DIGITAL SYSTEM DESIGN LABORATORY	I,II,IV	a,b	0	0	2	1
18IT308	DATA STRUCTURES AND ALGORITHMS LABORATORY	I,II,III,IV	a,b,c,d,f,l,m	0	0	2	1
	DATA STRUCTURES AND AESSICITING EABORATORT		a,b,c,u,i,i,iii				ļ '
	SOFT SKILLS - VEDDAL ADILITY	1		2			Λ
18GE301	SOFT SKILLS - VERBAL ABILITY	-	- Total	2	0	0	0
18GE301		-	- Total	2			0 22.0
		-	- Total		0	0	
18GE301 Fourth Semes	ter	-	- Total	19	0 2	6	22.0
18GE301		Objective	s &Outcomes		0	0	
18GE301 Fourth Semes Code No.	ter Course	Objective PEOs	s &Outcomes	19 L	0 2 T	0 6 P	22.0
18GE301 Fourth Semes Code No. 18IT401	ter Course ENGINEERING MATHEMATICS IV	Objective PEOs	POs a,b	19 L	0 2 T	0 6 P	22.0 C
18GE301 Fourth Semes Code No. 18IT401 18IT402	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS	Objective PEOs I,II,IV I,II,III,IV	POs a,b a,b,c,e,h	19 L 3 3	0 2 T 1 1 1	0 6 P 0	22.0 C 4 4
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY	Objective PEOs I,II,IV I,II,III,IV I,II,III,IV	POs a,b a,b,c,e,h a,b,c,e,m,n	19 L 3 3 2	0 2 T 1 1 0	0 6 P 0 0	22.0 C 4 4 3
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION	Objective PEOs I,II,IV I,II,III,IV I,II,III,IV	POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c	19 L 3 3 2 3	0 2 T 1 1 0 0	0 6 P 0 0 2 0	22.0 C 4 4 3 3
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE	Objective PEOS I,II,IV I,II,III,IV I,II,III,IV I,II,III,I	POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d	19 L 3 3 2 3 3	T 1 1 0 0 0 1 1	0 6 P 0 0 2 0	22.0 C 4 4 3 3 4
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS	Objective PEOS I,II,IV I,II,III,IV I,II,III,IV I,II,III,I	POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d a,b,c,d a,b,c,d,e,k	19 L 3 3 2 3 3 3 3	T 1 1 0 0 1 1 0	0 6 P 0 0 2 0 0	22.0 C 4 4 3 3 4 3
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY	Objective PEOs I,II,IV I,II,III,IV I,II,III,IV I,II,III,I	POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d	19 L 3 3 2 3 3 3 3 0	T 1 1 0 0 0 1 0 0 0	0 6 P 0 0 2 0 0 0	22.0 C 4 4 3 3 4 3 1
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS	Objective PEOS I,II,IV I,II,III,IV I,II,III,IV I,II,III,I	POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d a,b,c,d a,b,c,d,e,k	19 L 3 3 2 3 3 3 3	T 1 1 0 0 1 1 0	0 6 P 0 0 2 0 0	22.0 C 4 4 3 3 4 3
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY	Objective PEOs I,II,IV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d a,b,c,d a,b,c,d,e,k a,b,c,d,e,n	19 L 3 3 2 3 3 3 3 0	T 1 1 0 0 0 1 0 0 0	0 6 P 0 0 2 0 0 0	22.0 C 4 4 3 3 4 3 1
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY	Objective PEOs I,II,IV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d a,b,c,d a,b,c,d,e,k a,b,c,d,e,n a,b,c,d,e,n	19 L 3 3 2 3 3 3 0 0	T 1 1 0 0 1 1 0 0 0 0 0 0	0 6 P 0 0 2 0 0 0 2 2 2 2 2	22.0 C 4 4 3 3 4 3 1
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE	Objective PEOs I,II,IV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d a,b,c,d a,b,c,d,e,k a,b,c,d,e,n a,b,c,d,e,n	19 L 3 3 2 3 3 3 0 0	T 1 1 0 0 0 1 0 0 0 0 0 0 0	0 6 P 0 0 2 0 0 0 2 2 0 0	22.0 C 4 4 3 3 4 3 1 1
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING	Objective PEOs I,II,IV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d a,b,c,d,e,k a,b,c,d,e,n a,b,c,d,e,n a,b,c,d,e,n	19 L 3 3 2 3 3 3 0 0 0 2 2	T 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0 6 P 0 0 2 0 0 0 2 2 2 0 0	22.0 C 4 4 3 3 4 3 1 1 0 0
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001 18GE401	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING	Objective PEOS I,II,IIV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d a,b,c,d,e,k a,b,c,d,e,n a,b,c,d,e,n a,b,c,d,e,n a,b,c,d,e,n a,b,c,d,e,n a,b - Total	19 L 3 3 2 3 3 3 0 0 0 2 2	T 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0 6 P 0 0 2 0 0 0 2 2 2 0 0	22.0 C 4 4 3 3 4 3 1 1 0 0
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001 18GE401	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING	Objective PEOS I,II,IIV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d a,b,c,d,e,k a,b,c,d,e,n a,b,c,d,e,n a,b,c,d,e,n	19 L 3 3 2 3 3 3 0 0 0 2 2	T 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0 6 P 0 0 2 0 0 0 2 2 2 0 0	22.0 C 4 4 3 3 4 3 1 1 0 0
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001 18GE401 Fifth Semeste	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING	Objective PEOS I,II,IIV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d a,b,c,d,e,k a,b,c,d,e,n a,b,c,d,e,n a,b,c,d,e,n a,b,c,d,e,n a,b,c,d,e,n a,b - Total	19 L 3 3 2 3 3 3 0 0 0 2 2 21	T 1 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 3	0 6 P 0 0 2 0 0 0 2 2 2 0 0 0 6	22.0 C 4 4 3 3 4 3 1 1 0 0 23.0
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001 18GE401 Fifth Semeste	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING	Objective PEOS I,II,IV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d,e,n a,b,c,d,e,n a,b,c,d,e,n a,b,c,d,e,n - Total	19 L 3 3 2 3 3 3 0 0 0 2 2 21	T 1 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 3	0 6 P 0 0 2 0 0 0 2 2 2 0 0 0 6	22.0 C 4 4 3 3 4 3 1 1 0 0 23.0
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001 18GE401 Fifth Semeste Code No.	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING Course	Objective PEOS I,II,IV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d,e,n a,b,c,d,e,n a,b,c,d,e,n a,b,c,d,e,n - Total	19 L 3 3 2 3 3 0 0 2 2 21	T 1 1 0 0 1 0 0 1 0 0 0 0 0 0 0 3	0 6 P 0 0 2 0 0 0 2 2 2 0 0 0 6	22.0 C 4 4 3 3 4 3 1 1 0 0 23.0
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001 18GE401 Fifth Semeste Code No.	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING Course CLOUD COMPUTING	Objective PEOs , , , , , , , , , , ,	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d,e,k a,b,c,d,e,n a,b,c,k,l,m a,b Total s &Outcomes POs -	19 L 3 3 2 3 3 0 0 2 2 21 L	T 1 1 0 0 1 1 0 0 0 1 0 0 0 0 3 T	0 6 P 0 0 2 0 0 0 2 2 0 0 0 6	22.0 C 4 4 3 3 4 3 1 0 0 23.0 C
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001 18GE401 Fifth Semeste Code No. 21IT501 18IT501	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COURSE CLOUD COMPUTING CLOUD COMPUTING	Objective PEOs I,II,IV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d,e,k a,b,c,d,e,n a,b,c,d,e,n a,b,c,k,l,m a,b Total s &Outcomes POs - a,c,d,e,i	19 L 3 3 2 3 3 0 0 2 21 L 3 3 3	T 1 1 0 0 1 1 0 0 0 1 0 0 0 0 3 T	0 6 P 0 0 0 2 0 0 0 2 2 0 0 6 P	22.0 C 4 4 3 3 4 3 1 0 0 23.0 C
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001 18GE401 Fifth Semeste Code No. 21IT501 18IT501 18IT502 18IT503	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COURSE CLOUD COMPUTING CLOUD COMPUTING OPERATING SYSTEMS COMPUTATIONAL THEORY AND COMPILERS	Objective PEOS I,II,III,IV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d,e,k a,b,c,d,e,n a,b,c,k,l,m a,b - Total s &Outcomes POs - a,c,d,e,i a,b,c a,b,c,d	19 L 3 3 2 3 3 0 0 2 21 L 3 3 3 3 3 3 3	T 1 1 0 0 1 1 0 0 0 1 0 0 0 0 0 0 1	0 6 P 0 0 0 0 0 2 2 0 0 0 6 P	22.0 C 4 4 3 3 4 3 1 0 0 23.0 C 3 4 4
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001 18GE401 Fifth Semeste Code No. 21IT501 18IT501 18IT502	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COURSE CLOUD COMPUTING CLOUD COMPUTING OPERATING SYSTEMS COMPUTATIONAL THEORY AND COMPILERS DIGITAL SIGNAL PROCESSING	Objective PEOS I,II,IIV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d,e,k a,b,c,d,e,n a,b,c,k,l,m a,b - Total s &Outcomes POs - a,c,d,e,i a,b,c	19 L 3 3 2 3 3 0 0 2 21 L 3 3 3 3	T 1 1 0 0 1 1 0 0 0 1 0 0 0 0 3 T 0 0 1 1 1 0 1 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0	0 6 P 0 0 0 2 0 0 0 0 2 2 0 0 6 P	22.0 C 4 4 3 3 1 1 0 23.0 C 3 3 4 4 4
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001 18GE401 Fifth Semeste Code No. 21IT501 18IT501 18IT502 18IT503	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COURSE CLOUD COMPUTING CLOUD COMPUTING OPERATING SYSTEMS COMPUTATIONAL THEORY AND COMPILERS DIGITAL SIGNAL PROCESSING PROFESSIONAL ELECTIVE I	Objective PEOS I,II,III,IV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d,e,k a,b,c,d,e,n a,b,c,k,l,m a,b - Total s &Outcomes POs - a,c,d,e,i a,b,c a,b,c,d	19 L 3 3 2 3 3 0 0 2 21 L 3 3 3 3 -	T 1 1 0 0 1 1 0 0 0 1 0 0 0 0 0 0 1	0 6 P 0 0 0 0 0 2 2 0 0 0 6 P	22.0 C 4 4 3 3 4 3 1 1 0 0 23.0 C 3 3 4 4 3 3 4 3 4 3 4 3 4 4 3 4 4 4 4 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001 18GE401 Fifth Semeste Code No. 21IT501 18IT501 18IT502 18IT503 18IT504	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COURSE CLOUD COMPUTING CLOUD COMPUTING OPERATING SYSTEMS COMPUTATIONAL THEORY AND COMPILERS DIGITAL SIGNAL PROCESSING PROFESSIONAL ELECTIVE II	Objective PEOS I,II,IIV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d,e,k a,b,c,d,e,n a,b,c,k,l,m a,b Total s &Outcomes POs - a,c,d,e,i a,b,c a,b,c,l - a,b,c a,b,c - a,b,c,l a,b,c - a,b,c,l - a,b,c - a,b,c,l - a,b,c - a,b,c,l	19 L 3 3 2 3 3 0 0 2 21 L 3 3 3 3	T 1 1 0 0 1 0 0 0 0 0 0 0 0 0 1 1 0 0 0 1 1 1 0 0	0 6 P 0 0 0 2 0 0 0 2 2 0 0 0 6 P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.0 C 4 4 3 3 1 1 0 0 23.0 C 3 3 4 4 4 3 3 3
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001 18GE401 Fifth Semeste Code No. 21IT501 18IT501 18IT502 18IT503 18IT504	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING T Course CLOUD COMPUTING CLOUD COMPUTING OPERATING SYSTEMS COMPUTATIONAL THEORY AND COMPILERS DIGITAL SIGNAL PROCESSING PROFESSIONAL ELECTIVE I PROFESSIONAL ELECTIVE II CLOUD COMPUTING LABORATORY	Objective PEOS I,II,IV I,II,III,IV I,II,III,IV I,II,III,I	S &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d,e,k a,b,c,d,e,n a,b,c,k,l,m a,b Total S &Outcomes POs - a,c,d,e,i a,b,c a,b,c,c a,b,c,c,c a,b,c,c,c a,b,c,c,c a,b,c,c,c a,b,c,c,c a,b,c,c,c a,b,c,c,c,c a,b,c,c,c a,b,c,c a,c,c a,c a	19 L 3 3 3 2 3 3 0 0 2 21 L 3 3 3 3 - 0 0	T 1 1 0 0 1 0 0 0 1 0 0 0 0 0 0 0 1 1 1 0	P 0 0 0 2 0 0 0 2 0 0 0 0 2 2 0 0 0 0 0	22.0 C 4 4 3 3 1 1 0 0 23.0 C 3 3 4 4 4 4 3 3 1
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001 18GE401 Fifth Semeste Code No. 21IT501 18IT501 18IT502 18IT503 18IT504	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COURSE CLOUD COMPUTING CLOUD COMPUTING OPERATING SYSTEMS COMPUTATIONAL THEORY AND COMPILERS DIGITAL SIGNAL PROCESSING PROFESSIONAL ELECTIVE I PROFESSIONAL ELECTIVE II CLOUD COMPUTING LABORATORY OPERATING SYSTEMS LABORATORY	Objective PEOS I,II,IIV I,II,III,IV I,II,III,IV I,II,III,I	s &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d,e,k a,b,c,d,e,n a,b,c,k,l,m a,b Total s &Outcomes POs - a,c,d,e,i a,b,c a,b,c,l - a,b,c a,b,c - a,b,c,l a,b,c - a,b,c,l - a,b,c - a,b,c,l - a,b,c - a,b,c,l	19 L 3 3 3 0 0 2 21 L 3 3 3 - 0 0 0	T 1 1 0 0 0 1 1 0 0 0 0 0 0 0 1 1 1 0	0 6 P 0 0 0 2 0 0 0 2 2 0 0 0 6 P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.0 C 4 4 3 3 1 1 0 23.0 C 3 3 4 4 4 4 3 1 1 1
18GE301 Fourth Semes Code No. 18IT401 18IT402 18IT403 18IT404 18IT405 18IT406 18IT407 18IT408 18HS001 18GE401 Fifth Semeste Code No. 21IT501 18IT501 18IT502 18IT503 18IT504	Course ENGINEERING MATHEMATICS IV DATABASE MANAGEMENT SYSTEMS WEB TECHNOLOGY PRINCIPLES OF COMMUNICATION SYSTEM SOFTWARE COMPUTER NETWORKS DATABASE MANAGEMENT SYSTEMS LABORATORY COMPUTER NETWORKS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING T Course CLOUD COMPUTING CLOUD COMPUTING OPERATING SYSTEMS COMPUTATIONAL THEORY AND COMPILERS DIGITAL SIGNAL PROCESSING PROFESSIONAL ELECTIVE I PROFESSIONAL ELECTIVE II CLOUD COMPUTING LABORATORY	Objective PEOS I,II,IV I,II,III,IV I,II,III,IV I,II,III,I	S &Outcomes POs a,b a,b,c,e,h a,b,c,e,m,n a,b,c a,b,c,d,e,k a,b,c,d,e,n a,b,c,k,l,m a,b Total S &Outcomes POs - a,c,d,e,i a,b,c a,b,c,c a,b,c,c,c a,b,c,c,c a,b,c,c,c a,b,c,c,c a,b,c,c,c a,b,c,c,c a,b,c,c,c,c a,b,c,c,c a,b,c,c a,c,c a,c a	19 L 3 3 3 0 0 2 2 21 L 3 3 3 3 - 0 0 0 0 0	T 1 1 0 0 1 0 0 0 1 0 0 0 0 0 0 0 1 1 1 0	P 0 0 0 2 0 0 0 2 0 0 0 0 2 2 0 0 0 0 0	22.0 C 4 4 3 3 1 1 0 23.0 C 3 3 4 4 4 4 3 3 1

Code No.	Course Objectives &Outcom		&Outcomes	L	т	Р	С
		PEOs	POs		'		
18HS003	PRINCIPLES OF MANAGEMENT	-	-	2	0	0	2
18IT602	ARTIFICIAL INTELLIGENCE	I,II,III,IV	a,b,c,d,e,f,i,l	3	1	0	4
18IT603	INFORMATION CODING TECHNIQUES	I,II,III,IV	a,b,c	3	1	0	4
18IT604	DATA MINING AND WAREHOUSING	I,II,III,IV	a,c,e,f,l	3	1	0	4
	PROFESSIONAL ELECTIVE III	-	-	-	-	-	3
	PROFESSIONAL ELECTIVE IV	-	-	-	-	-	3
18IT607	ARTIFICIAL INTELLIGENCE LABORATORY	I,II,III,IV	a,c,e,f,l	0	0	2	1
18IT608	DATA MINING AND WAREHOUSING LABORATORY	I,II,III,IV	a,b,c,d,e,j,n	0	0	2	1
18GE601	SOFT SKILLS-APTITUDE II	-	-	0	0	2	0
1002001	OOT FORELE AN THOSE II		Total	11	3	6	22.0
Seventh Seme	ester					<u> </u>	
	T				- 1		
Code No.	Course	Objectives	&Outcomes	L	т	Р	c
		PEOs	POs				
18HS002	PROFESSIONAL ETHICS IN ENGINEERING	-	-	2	0	0	2
18IT702	INTERNET OF THINGS	I,II,III,IV	a,b,c,k	3	0	2	4
18IT703	DESIGN AND ANALYSIS OF ALGORITHMS	I,II,III,IV	a,b,c,d	3	1	0	4
18IT704	INFORMATION SECURITY	I,II,III,IV	a,b,c,d,e,j,k,l	3	1	0	4
	PROFESSIONAL ELECTIVE V	-	-	-	-	-	3
	PROFESSIONAL ELECTIVE VI	-	-	-	-	_	3
18IT707	DESIGN AND ANALYSIS OF ALGORITHMS LABORATORY	I,II,III,IV	a,b,c	0	0	2	1
18IT708	PROJECT WORK I	-	-	0	0	6	3
1011700	1 ROSEOT WORKT		Total	11	2	10	24.0
Eight Semest			Total	- 1 1		10	24.0
Eight Semest	7 T						
Code No.	Course	Objectives	&Outcomes	L	l _T	P	l c l
J GGGG HG	004.00	PEOs	POs	-	'	-	
	PROFESSIONAL ELECTIVE VII	-	-	-	-	-	3
	PROFESSIONAL ELECTIVE VIII	 -	-	-	-	_	3
							3
		1-		-		-	
18IT804	PROFESSIONAL ELECTIVE IX	-	-	-	-	18	g
18IT804		-	- Total	0	0	- 18	9
	PROFESSIONAL ELECTIVE IX	-	- - Total	- 0 0	- 0 0	- 18 18	9 18.0
18IT804 Electives	PROFESSIONAL ELECTIVE IX	-			-		_
	PROFESSIONAL ELECTIVE IX	- - Objectives	Total		-		_
Electives	PROFESSIONAL ELECTIVE IX PROJECT WORK II	Objectives		0	0	18	18.0
Electives	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course		s &Outcomes	0	0	18	18.0
Electives Code No.	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY		s &Outcomes	0 L	T	18 P	18.0 C
CORE-THEOR	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP		s &Outcomes	0	0	18	18.0
CORE-THEOR 18IT031 LANGUAGE E	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP LECTIVES		s &Outcomes	0 L	T	18 P	18.0 C
CORE-THEOR	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP	PEOs	s &Outcomes	0 L	T	18 P	18.0 C 3
CORE-THEOR 18IT031 LANGUAGE E	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP LECTIVES		s &Outcomes	0 L	0 T	18 P	18.0 C
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE	PEOs	s &Outcomes	0 L 3	0 T	18 P	18.0 C 3
Electives Code No. CORE-THEOR 18/T031 LANGUAGE E 18/HSC01 18/HSF01	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH	PEOs	s &Outcomes	3 1 1	0 T 0 0 0 0	18 P 0 2 2	18.0 C 3
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSG01	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN	PEOs	s &Outcomes	3 1 1	0 T 0 0 0 0 0 0	18 P	18.0 C
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSG01 18HSH01	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE	PEOs	s &Outcomes	3 1 1 1 1	0 T O O O O O O	18 P 0 2 2 2 2 2 2	18.0 C
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSG01 18HSH01 18HSJ01	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE	PEOs	s &Outcomes	3 1 1 1 1	0 T O O O O O O	18 P 0 2 2 2 2 2 2	18.0 C
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSG01 18HSH01 18HSJ01 DISCIPLINE E	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES	PEOs - , , V - - -	POs - - - - - - - - - - - - -	3 1 1 1 1	0 T O O O O O O	18 P 0 2 2 2 2 2 2 2	3 2 2 2 2 2 2 2 2
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSG01 18HSG01 18HSJ01 0ISCIPLINE E 18IT001	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES GAME PROGRAMMING	PEOs - , , V - - - - - - - - - - -	POs - j - j - a,b,c,d,e	3 1 1 1 1 1 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18 P 0 2 2 2 2 2 0	3 2 2 2 2 2 2
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSG01 18HSJ01 18HSJ01 DISCIPLINE E 18IT001 18IT002	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES GAME PROGRAMMING MOBILE APPLICATION DEVELOPMENT	PEOs - - - - - - - - - - - - -	POs - - j - a,b,c,d,e a,b,c,e	1 1 1 1 1 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18 P 0 2 2 2 2 2 0 0	3 2 2 2 2 2 2 2 3 3
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 18IT001 18IT002 18IT003 18IT004	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES GAME PROGRAMMING MOBILE APPLICATION DEVELOPMENT INTERNET SECURITY AND COMPUTER FORENSICS CRYPTOGRAPHY	PEOs - - - - - - - - - - -	-	1 1 1 1 1 1 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18 P 0 2 2 2 2 2 0 0 0 0	18.0 C 3 2 2 2 2 2 2 2 3 3 3 3 3 3
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 18IT002 18IT003 18IT004 18IT004	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES GAME PROGRAMMING MOBILE APPLICATION DEVELOPMENT INTERNET SECURITY AND COMPUTER FORENSICS CRYPTOGRAPHY PARALLEL PROGRAMMING USING OPENCL	PEOs - - - - - - - - - - - - -	## Application	1 1 1 1 1 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18 P 0 2 2 2 2 2 2 0 0 0 0 0 0	18.0 C 3 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 18IT002 18IT002 18IT003 18IT004 18IT005 18IT006	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES GAME PROGRAMMING MOBILE APPLICATION DEVELOPMENT INTERNET SECURITY AND COMPUTER FORENSICS CRYPTOGRAPHY	PEOs - - - - - - - - - - - - -	a,b,c,d,e a,b,c,e,f,j,k b,c,d,e a,b,c,d,e a,b,c,d,e	1 1 1 1 1 1 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	18 P 0 2 2 2 2 2 0 0 0 0	18.0 C 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 18IT002 18IT002 18IT003 18IT004 18IT005 18IT006 18IT007	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES GAME PROGRAMMING MOBILE APPLICATION DEVELOPMENT INTERNET SECURITY AND COMPUTER FORENSICS CRYPTOGRAPHY PARALLEL PROGRAMMING USING OPENCL DATA COMPRESSION TEXT MINING	PEOs - - - - - - - - - - - - -	## Application ## Application Application	1 1 1 1 1 1 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	18 P 0 2 2 2 2 2 2 0 0 0 0 0 0 0 0	18.0 C 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 18IT002 18IT002 18IT003 18IT004 18IT005 18IT006 18IT007 18IT008	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES GAME PROGRAMMING MOBILE APPLICATION DEVELOPMENT INTERNET SECURITY AND COMPUTER FORENSICS CRYPTOGRAPHY PARALLEL PROGRAMMING USING OPENCL DATA COMPRESSION TEXT MINING COMPUTER GRAPHICS	PEOs -	a,b,c,d,e a,b,c,e,f,j,k b,c,d,e a,b,c,d,e a,b,c,d,e a,b,c,d,e a,b,c,d,e a,b,c,d,e a,b,c,d,e a,b,c,d,e a,b,c,d,e	3 1 1 1 1 1 1 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	18 P 0 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0	18.0 C 3 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 18IT002 18IT003 18IT004 18IT005 18IT006 18IT007 18IT008 18IT009	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES GAME PROGRAMMING MOBILE APPLICATION DEVELOPMENT INTERNET SECURITY AND COMPUTER FORENSICS CRYPTOGRAPHY PARALLEL PROGRAMMING USING OPENCL DATA COMPRESSION TEXT MINING COMPUTER GRAPHICS SOFTWARE TESTING	PEOs -	## Application ## App	3 1 1 1 1 1 1 1 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0	18 P 0 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0	3 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSH01 18HSH01 18HSJ01 DISCIPLINE E 18IT002 18IT003 18IT004 18IT005 18IT006 18IT007 18IT008 18IT009 18IT009	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES GAME PROGRAMMING MOBILE APPLICATION DEVELOPMENT INTERNET SECURITY AND COMPUTER FORENSICS CRYPTOGRAPHY PARALLEL PROGRAMMING USING OPENCL DATA COMPRESSION TEXT MINING COMPUTER GRAPHICS SOFTWARE TESTING FUNDAMENTALS OF VIRTUALIZATION	PEOs -	## Application ## App	3 1 1 1 1 1 1 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0	18 P 0 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0	18.0 C 3 2 2 2 2 2 2 3 3 3 3 3 3
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 18IT002 18IT003 18IT004 18IT005 18IT006 18IT007 18IT008 18IT009 18IT010 18IT010	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course Y PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES GAME PROGRAMMING MOBILE APPLICATION DEVELOPMENT INTERNET SECURITY AND COMPUTER FORENSICS CRYPTOGRAPHY PARALLEL PROGRAMMING USING OPENCL DATA COMPRESSION TEXT MINING COMPUTER GRAPHICS SOFTWARE TESTING FUNDAMENTALS OF VIRTUALIZATION MANAGEMENT INFORMATION SYSTEMS	PEOs -	## Application ## App	3 1 1 1 1 1 1 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0	18 P 0 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	18.0 C 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSF01 18HSH01 18HSU01 18IT002 18IT003 18IT004 18IT005 18IT006 18IT006 18IT007 18IT009 18IT010 18IT011 18IT011	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course Y PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES GAME PROGRAMMING MOBILE APPLICATION DEVELOPMENT INTERNET SECURITY AND COMPUTER FORENSICS CRYPTOGRAPHY PARALLEL PROGRAMMING USING OPENCL DATA COMPRESSION TEXT MINING COMPUTER GRAPHICS SOFTWARE TESTING FUNDAMENTALS OF VIRTUALIZATION MANAGEMENT INFORMATION SYSTEMS MULTIMEDIA TOOLS AND APPLICATIONS	PEOs -	## Application ## App	3 1 1 1 1 1 1 1 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	18 P 0 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	18.0 C 3 2 2 2 2 2 2 2 3 3 3 3 3
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 18IT001 18IT002 18IT003 18IT004 18IT005 18IT006 18IT007 18IT008 18IT009 18IT010 18IT011 18IT012 18IT012	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course Y PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES GAME PROGRAMMING MOBILE APPLICATION DEVELOPMENT INTERNET SECURITY AND COMPUTER FORENSICS CRYPTOGRAPHY PARALLEL PROGRAMMING USING OPENCL DATA COMPRESSION TEXT MINING COMPUTER GRAPHICS SOFTWARE TESTING FUNDAMENTALS OF VIRTUALIZATION MANAGEMENT INFORMATION SYSTEMS MULTIMEDIA TOOLS AND APPLICATIONS INFORMATION STORAGE MANAGEMENT	PEOs -	## Application ## App	3 1 1 1 1 1 1 1 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	18 P 0 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	18.0 C 3 2 2 2 2 2 2 3 3 3 3 3 3
Electives Code No. CORE-THEOR 18IT031 LANGUAGE E 18HSC01 18HSF01 18HSF01 18HSG01 18HSG01 18IT001 18IT002 18IT003 18IT004 18IT005 18IT006 18IT007 18IT008 18IT009 18IT010 18IT011 18IT012 18IT013 18IT014	PROFESSIONAL ELECTIVE IX PROJECT WORK II Course Y PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP ELECTIVES CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES GAME PROGRAMMING MOBILE APPLICATION DEVELOPMENT INTERNET SECURITY AND COMPUTER FORENSICS CRYPTOGRAPHY PARALLEL PROGRAMMING USING OPENCL DATA COMPRESSION TEXT MINING COMPUTER GRAPHICS SOFTWARE TESTING FUNDAMENTALS OF VIRTUALIZATION MANAGEMENT INFORMATION SYSTEMS MULTIMEDIA TOOLS AND APPLICATIONS INFORMATION STORAGE MANAGEMENT DEEP LEARNING	PEOs -	a,b,c,d,e	3 1 1 1 1 1 1 1 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	18 P 0 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0	18.0 C 3 2 2 2 2 2 2 3 3 3 3 3 3
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SPENDER LECTIVES	18IT0XG	ROBOTIC PROCESS AUTOMATION	-	-	1	0	0	1
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180EGDPS	18GE0P3	APPLIED LASER SCIENCE	-	-	3	0	0	3
18170YA DATABASE MANAGEMENT SYSTEMS	18GE0P4	BIO-PHOTONICS	-	-	3	0	0	3
18170YA DATABASE MANAGEMENT SYSTEMS	18GE0P5	PHYSICS OF SOFT MATTER	<u> </u> -	-	3	0	0	3
198TOYO DATA STRUCTURES AND ALGORITHMS	18IT0YA	DATABASE MANAGEMENT SYSTEMS	I,II.III.IV	a,c,d.e		0	0	3
181TOYC DATA SCIENCES AND ANALYTICS					-			_
18170YO DAJECT ORIENTED PROGRAMMING								_
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18GEDXA			I,II,III,IV	a,b,c,d,e,f,h,k	3	0	0	3
18GEOXE GENERAL PSYCHOLOGY	ADDITIONAL (
18GEOXC NEURO BEHAVIORAL SCIENCE III	18GE0XA	ETYMOLOGY	-	-	1	0	0	1
18GEOXD	18GE0XB	GENERAL PSYCHOLOGY	-	-	1	0	0	1
18GEOXE	18GE0XC	NEURO BEHAVIORAL SCIENCE	III	i	1	0	0	1
18GEOXE	18GE0XD	VISUAL MEDIA AND FILM MAKING	I.II.III.IV	b.f	1	0	0	1
18GEOXF		YOGA FOR HUMAN EXCELLENCE	-	-	1	0	0	1
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18BTOYC FORENSIC TECHNOLOGY - - 3 18CE0YA GREEN BUILDINGS - - 3 18CE0YB DISASTER PREPAREDNESS AND PLANNING - - 3 18CE0YC ENVIRONMENTAL IMPACT ASSESSMENT - - 3 18CE0YD BUILDING SERVICES - - 3 18CE0YE INDUSTRIAL WASTE MANAGEMENT - - 3 18CE0YF WEALTH FROM WASTE - - 3 18CE0YF ENERGY SCIENCE AND ENGINEERING - - 3 18CE0YH ENERGY SCIENCE AND ENGINEERING - - 3 18CS0YA E-LEARNING TECHNIQUES - - 3 18CS0YB SOFTWARE TESTING AND QUALITY ASSURANCE - - 3 18CS0YD JAVA FUNDAMENTALS - - 3 18CS0YB AGENT BASE	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	3 3 3 3 3 3
18CE0YB DISASTER PREPAREDNESS AND PLANNING - - 3 18CE0YC ENVIRONMENTAL IMPACT ASSESSMENT - - 3 18CE0YD BUILDING SERVICES - - 3 18CE0YE INDUSTRIAL WASTE MANAGEMENT - - 3 18CE0YF WEALTH FROM WASTE - - 3 18CE0YG RISK AND SAFETY MANAGEMENT - - 3 18CE0YH ENERGY SCIENCE AND ENGINEERING - - 3 18CE0YH CONCEPTS OF REMOTE SENSING - - 3 18CS0YA E-LEARNING TECHNIQUES - - 3 18CS0YB SOFTWARE TESTING AND QUALITY ASSURANCE - - 3 18CS0YC JAVA FUNDAMENTALS - - 3 18CS0YD NETWORK ENGINEERING AND MANAGEMENT - - 3 18CS0YE AGENT BASED INTELLIGENT SYSTEMS - - - -	0 0 0 0 0 0 0 0	0 0 0 0 0 0	3 3 3 3
18CE0YC ENVIRONMENTAL IMPACT ASSESSMENT - - 3 18CE0YD BUILDING SERVICES - - 3 18CE0YE INDUSTRIAL WASTE MANAGEMENT - - 3 18CE0YF WEALTH FROM WASTE - - 3 18CE0YG RISK AND SAFETY MANAGEMENT - - 3 18CE0YH ENERGY SCIENCE AND ENGINEERING - - 3 18CE0YI CONCEPTS OF REMOTE SENSING - - 3 18CS0YA E-LEARNING TECHNIQUES - - 3 18CS0YB SOFTWARE TESTING AND QUALITY ASSURANCE - - 3 18CS0YC JAVA FUNDAMENTALS - - 3 18CS0YD NETWORK ENGINEERING AND MANAGEMENT - - 3 18CS0YE AGENT BASED INTELLIGENT SYSTEMS - - 3	0 0 0 0 0 0 0 0	0 0 0 0 0 0	3 3 3
18CE0YD BUILDING SERVICES - - 3 18CE0YE INDUSTRIAL WASTE MANAGEMENT - - 3 18CE0YF WEALTH FROM WASTE - - 3 18CE0YG RISK AND SAFETY MANAGEMENT - - 3 18CE0YH ENERGY SCIENCE AND ENGINEERING - - 3 18CE0YI CONCEPTS OF REMOTE SENSING - - 3 18CS0YA E-LEARNING TECHNIQUES - - 3 18CS0YB SOFTWARE TESTING AND QUALITY ASSURANCE - - 3 18CS0YC JAVA FUNDAMENTALS - - 3 18CS0YD NETWORK ENGINEERING AND MANAGEMENT - - 3 18CS0YE AGENT BASED INTELLIGENT SYSTEMS - - 3	0 0 0 0 0 0 0	0 0 0 0 0	3 3
18CE0YE INDUSTRIAL WASTE MANAGEMENT - - 3 18CE0YF WEALTH FROM WASTE - - 3 18CE0YG RISK AND SAFETY MANAGEMENT - - 3 18CE0YH ENERGY SCIENCE AND ENGINEERING - - 3 18CE0YI CONCEPTS OF REMOTE SENSING - - 3 18CS0YA E-LEARNING TECHNIQUES - - 3 18CS0YB SOFTWARE TESTING AND QUALITY ASSURANCE - - 3 18CS0YC JAVA FUNDAMENTALS - - 3 18CS0YD NETWORK ENGINEERING AND MANAGEMENT - - 3 18CS0YE AGENT BASED INTELLIGENT SYSTEMS - - 3	0 0 0 0 0 0	0 0 0 0	3
18CE0YF WEALTH FROM WASTE - - 3 18CE0YG RISK AND SAFETY MANAGEMENT - - 3 18CE0YH ENERGY SCIENCE AND ENGINEERING - - 3 18CE0YI CONCEPTS OF REMOTE SENSING - - 3 18CS0YA E-LEARNING TECHNIQUES - - 3 18CS0YB SOFTWARE TESTING AND QUALITY ASSURANCE - - 3 18CS0YC JAVA FUNDAMENTALS - - 3 18CS0YD NETWORK ENGINEERING AND MANAGEMENT - - 3 18CS0YE AGENT BASED INTELLIGENT SYSTEMS - - 3	0 0 0 0 0	0 0 0	3
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18CE0YH ENERGY SCIENCE AND ENGINEERING - - 3 18CE0YI CONCEPTS OF REMOTE SENSING - - 3 18CS0YA E-LEARNING TECHNIQUES - - 3 18CS0YB SOFTWARE TESTING AND QUALITY ASSURANCE - - 3 18CS0YC JAVA FUNDAMENTALS - - 3 18CS0YD NETWORK ENGINEERING AND MANAGEMENT - - 3 18CS0YE AGENT BASED INTELLIGENT SYSTEMS - - 3	0 0 0 0	0	0
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18CS0YA E-LEARNING TECHNIQUES - - 3 18CS0YB SOFTWARE TESTING AND QUALITY ASSURANCE - - 3 18CS0YC JAVA FUNDAMENTALS - - 3 18CS0YD NETWORK ENGINEERING AND MANAGEMENT - - 3 18CS0YE AGENT BASED INTELLIGENT SYSTEMS - - 3	0		3
18CS0YA E-LEARNING TECHNIQUES - - 3 18CS0YB SOFTWARE TESTING AND QUALITY ASSURANCE - - 3 18CS0YC JAVA FUNDAMENTALS - - 3 18CS0YD NETWORK ENGINEERING AND MANAGEMENT - - 3 18CS0YE AGENT BASED INTELLIGENT SYSTEMS - - 3	0		3
18CS0YB SOFTWARE TESTING AND QUALITY ASSURANCE - - 3 18CS0YC JAVA FUNDAMENTALS - - 3 18CS0YD NETWORK ENGINEERING AND MANAGEMENT - - 3 18CS0YE AGENT BASED INTELLIGENT SYSTEMS - - 3	0		3
18CS0YC JAVA FUNDAMENTALS - - 3 18CS0YD NETWORK ENGINEERING AND MANAGEMENT - - 3 18CS0YE AGENT BASED INTELLIGENT SYSTEMS - - 3		0	3
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18CS0YE AGENT BASED INTELLIGENT SYSTEMS 3		0	3
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18CS0YF E-BUSINESS - 3	0	0	3
	0	0	3
18CS0YG KNOWLEDGE DISCOVERY IN DATABASES 3	0	0	3
18CS0YH SOCIAL NETWORK ANALYSIS CONCEPTS 3	0	0	3
18CS0YI OPERATING SYSTEM CONCEPTS 3	0	0	3
18CS0YJ OBJECT ORIENTED PROGRAMMING 3	0	0	3
18EC0YA BASICS OF ANALOG AND DIGITAL ELECTRONICS 3	0	0	3
	-		
18EC0YB AUTOMOTIVE ELECTRONICS 3	0	0	3
18EC0YC PCB DESIGN AND PROTOTYPING 3	0	0	3
18EC0YD MICROCONTROLLER PROGRAMMING 3	0	0	3
18EC0YE ENGINEERING COMPUTATION WITH MATLAB 3	0	0	3
18EC0YF BASICS OF HARDWARE DESCRIPTION LANGUAGES 3	0	0	3
18EC0YG FUNDAMENTALS OF EMBEDDED SYSTEMS 3	0	0	3
18EC0YH PRINCIPLES OF COMMUNICATION SYSTEMS 3	0	0	3
18EC0YI ELECTRONIC PRODUCT DESIGN AND PACKAGING 3	0	0	3
18EC0YJ PRINCIPLES OF COMPUTER COMMUNICATION AND NETWORKS 3	0	0	3
18EE0YA ENERGY CONSERVATION AND MANAGEMENT 3	0	0	3
18EE0YB ELECTRICAL SAFETY 3	0	0	3
18EE0YC INDUSTRIAL DRIVES AND CONTROL 3	0	0	3
18EI0YA PROGRAMMABLE LOGIC CONTROLLERS 3	0	0	3
18EI0YB SENSOR TECHNOLOGY 3	0	0	3
18EI0YC FUNDAMENTALS OF VIRTUAL INSTRUMENTATION - 3	0	0	3
18EI0YD OPTOELECTRONICS AND LASER INSTRUMENTATION 3	0	0	3
18FD0YA TRADITIONAL FOODS 3	0	0	3
18FD0YB FOOD LAWS AND REGULATIONS 3	0	0	3
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18FD0YC POST HARVEST TECHNOLOGY OF FRUITS AND VEGETABLES 3	0	0	3
18FT0YA FASHION CRAFTS 3	0	0	3
18FT0YB FASHION ACCESSORIES 3	0	0	3
18FT0YC FASHION VISUAL MERCHANDISING 3	0	0	3
18FT0YD INTERIOR DESIGN 3	0	0	3
18FT0YE SURFACE EMBELLISHMENT 3	0	0	3
18GE01 BUSINESS ANALYTICS 3	0	0	3
18GE02 INDUSTRIAL SAFETY 3	0	0	3
18GE03 OPERATIONS RESEARCH 3	0	0	3
18GE04 COST MANAGEMENT OF ENGINEERING PROJECTS 3	0	0	3
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18GE05 COMPOSITE MATERIALS 3	0	0	3
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18GE06 WASTE TO ENERGY - - 3 18ME0YA INDUSTRIAL PROCESS ENGINEERING - - 3 18ME0YB SAFETY ENGINEERING - - 3 18ME0YC MAINTENANCE ENGINEERING - - 3 18ME0YD BASICS OF NON-DESTRUCTIVE TESTING - - 3 18ME0YE DIGITAL MANUFACTURING - - 3 18ME0YF WORK STUDY AND ERGONOMICS - - 3	0 0 0 0 0	0 0 0	3 3 3
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18GE06 WASTE TO ENERGY - - 3 18ME0YA INDUSTRIAL PROCESS ENGINEERING - - 3 18ME0YB SAFETY ENGINEERING - - 3 18ME0YC MAINTENANCE ENGINEERING - - 3 18ME0YD BASICS OF NON-DESTRUCTIVE TESTING - - 3 18ME0YE DIGITAL MANUFACTURING - - 3 18ME0YF WORK STUDY AND ERGONOMICS - - 3 18ME0YG METROLOGY IN INDUSTRY - - 3 18ME0YH PLANT LAYOUT AND MATERIAL HANDLING - - 3	0 0 0 0 0	0 0 0 0 0	3 3 3 3 3 3
18GE06 WASTE TO ENERGY - - 3 18ME0YA INDUSTRIAL PROCESS ENGINEERING - - 3 18ME0YB SAFETY ENGINEERING - - 3 18ME0YC MAINTENANCE ENGINEERING - - 3 18ME0YD BASICS OF NON-DESTRUCTIVE TESTING - - 3 18ME0YE DIGITAL MANUFACTURING - - 3 18ME0YF WORK STUDY AND ERGONOMICS - - 3 18ME0YG METROLOGY IN INDUSTRY - - 3 18ME0YH PLANT LAYOUT AND MATERIAL HANDLING - - 3 18ME0YI CONCEPTS OF ENGINEERING DESIGN - - 3	0 0 0 0 0 0	0 0 0 0 0	3 3 3 3 3 3
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18GE06 WASTE TO ENERGY - - 3 18ME0YA INDUSTRIAL PROCESS ENGINEERING - - 3 18ME0YB SAFETY ENGINEERING - - 3 18ME0YC MAINTENANCE ENGINEERING - - 3 18ME0YD BASICS OF NON-DESTRUCTIVE TESTING - - 3 18ME0YE DIGITAL MANUFACTURING - - 3 18ME0YF WORK STUDY AND ERGONOMICS - - 3 18ME0YG METROLOGY IN INDUSTRY - - 3 18ME0YH PLANT LAYOUT AND MATERIAL HANDLING - - 3 18ME0YI CONCEPTS OF ENGINEERING DESIGN - - 3	0 0 0 0 0 0	0 0 0 0 0	3 3 3 3 3 3
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