	Minimum Credits to be Ea	rned 201.0					
irst Semeste	r						
	1	Objective	s &Outcomes				T
Code No.	Course			ᅵᅵ	Т	Р	C
19CB101	DISCRETE MATHEMATICS	PEOs	POs	3	0	0	3
19CB101	PROBABILITY AND STATISTICS	-	a,b a.b	3	0	0	3
19CB102	PRINCIPLES OF ELECTRICAL ENGINEERING		a,b,c,d,e,m,n	3	0	2	4
19CB103	FUNDAMENTALS OF PHYSICS		a,b,c,u,e,m,n	3	0	2	4
19CB104	BUSINESS COMMUNICATION AND VALUE SCIENCE-I		i,j,k	2	1	2	4
19CB106	FUNDAMENTALS OF COMPUTER SCIENCE	<u> </u>	a,b,e	2	1	2	4
1900100	I ONDAMENTALS OF COMPOTEN SCIENCE		Total	16	2	8	22.0
Second Seme	ster		Total	10			22.0
oecona oeme	1	Tana a sa			T		_
Code No.	Course	Objectives	s &Outcomes	L	т	Р	l c
		PEOs	POs	1		1	ľ
19CB201	LINEAR ALGEBRA	-	a,b	3	1	0	4
19CB202	STATISTICAL METHODS	-	a,b	3	1	0	4
19CB203	DATA STRUCTURES AND ALGORITHMS	-	a,b,c,e,m,n	2	1	2	4
19CB204	PRINCIPLES OF ELECTRONICS	- -	a,b,m,n	3	0	2	4
19CB205	FUNDAMENTALS OF ECONOMICS	-	f,g,n	2	0	0	2
19HS206	BUSINESS COMMUNICATION AND VALUE SCIENCE -II	-	i,j	2	1	2	4
19HS207	ENVIRONMENTAL SCIENCES	 -	a,b,g	2	0	0	0
10110201	ENVIRONMENTAL OOIENOEO		Total	17	4	6	22.0
Third Semest			TOTAL	17	4	6	22.0
Inira Semest	3r 						
Code No.	Course	Objective	s &Outcomes		+	P	l c
Code No.	Course	PEOs	POs	-	'	l .	ľ
19CB301	FORMAL LANGUAGE AND AUTOMATA THEORY	-	a,b	3	2	0	4
19CB302	COMPUTER ORGANIZATION AND ARCHITECTURE	<u> </u>	a,b,c,m,n	3	2	0	4
19CB303	OBJECT ORIENTED PROGRAMMING	<u> </u>	a,b,c,e,m	3	0	2	4
19CB303	COMPUTATIONAL STATISTICS			3	0	2	4
			a,b	3	1	2	5
19CB305	SOFTWARE ENGINEERING	<u> </u> -	a,b,c,j,k				_
19CB306	FINANCIAL MANAGEMENT	-	b,d,e,k,m,n	3	0	0	3
18GE501	SOFT SKILLS - APTITUDE I	-	-	0	0	2	0
			Total	18	5	8	24.0
Fourth Semes	ter						
		Objectives	s &Outcomes	∟	Т	Р	С
Code No.	Course	PEOs	POs				
19CB401	OPERATING SYSTEMS	1 203	a,c,e	3	0	2	4
19CB401				-		0	
	DATABASE MANAGEMENT SYSTEMS	<u> </u>	a,b,c,e,n	3	1		4
19CB403	SOFTWARE DESIGN WITH UML	-	b,c,e,n	3	0	2	4
19CB404	INTRODUCTION TO INNOVATION, IP MANAGEMENT AND ENTREPRENEURSHIP	-	a,b,e,h,i,m	3			3
	BUSINESS COMMUNICATION AND VALUE SCIENCE III				0	0	
10HC40E			::				
19HS405		-	i,j	2	0	4	4
19CB406	OPERATIONS RESEARCH	-	a,b	2	0	4	4
19CB406 19CB407	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT	-	a,b c,d,f,g,n	2 2 3	0 0	4 2 0	4 3 3
19CB406 19CB407 19CB408	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY	-	a,b	2 2 3 0	0 0 0	4 2 0 2	4 3 3 1
19CB406 19CB407	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT		a,b c,d,f,g,n a,b,c,e,n	2 2 3 0	0 0 0 0	4 2 0 2 2	4 3 3 1 0
19CB406 19CB407 19CB408	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY	-	a,b c,d,f,g,n	2 2 3 0	0 0 0	4 2 0 2	4 3 3 1 0
19CB406 19CB407 19CB408 18GE601	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II	-	a,b c,d,f,g,n a,b,c,e,n	2 2 3 0	0 0 0 0	4 2 0 2 2	4 3 3 1
19CB406 19CB407 19CB408 18GE601	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II	Objective:	a,b c,d,f,g,n a,b,c,e,n - Total	2 2 3 0 0	0 0 0 0 0	4 2 0 2 2 14	4 3 3 1 0 26.0
19CB406 19CB407 19CB408 18GE601	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II		a,b c,d,f,g,n a,b,c,e,n - Total	2 2 3 0	0 0 0 0	4 2 0 2 2	4 3 3 1 0
19CB406 19CB407 19CB408 18GE601 Fifth Semeste	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course		a,b c,d,f,g,n a,b,c,e,n - Total	2 2 3 0 0 19	0 0 0 0 0	4 2 0 2 2 14	4 3 3 1 0 26.0
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No.	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS		a,b c,d,f,g,n a,b,c,e,n - Total	2 2 3 0 0 19	0 0 0 0 0 0 1	4 2 0 2 2 14	4 3 3 1 0 26.0
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No. 21CB501 21CB502	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS COMPLIER DESIGN		a,b c,d,f,g,n a,b,c,e,n - Total	2 2 3 0 0 19 L	0 0 0 0 0 0 1	4 2 0 2 2 14 P	4 3 3 1 0 26.0
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No. 21CB501 21CB502 21CB503	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS COMPLIER DESIGN BUSINESS STRATEGY		a,b c,d,f,g,n a,b,c,e,n - Total	2 2 3 0 0 19 L	0 0 0 0 0 1	4 2 0 2 2 14 P 2 0 0 0	4 3 3 1 0 26.0 C 3 3
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No. 21CB501 21CB502	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS COMPLIER DESIGN		a,b c,d,f,g,n a,b,c,e,n - Total	2 2 3 0 0 19 L	0 0 0 0 0 0 1	4 2 0 2 2 14 P	4 3 3 1 0 26.0
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No. 21CB501 21CB502 21CB503	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS COMPLIER DESIGN BUSINESS STRATEGY		a,b c,d,f,g,n a,b,c,e,n - Total	2 2 3 0 0 19 L	0 0 0 0 0 1	4 2 0 2 2 14 P 2 0 0 0	4 3 3 1 0 26.0 C 3 3
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No. 21CB501 21CB502 21CB503 21CB504	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS COMPLIER DESIGN BUSINESS STRATEGY DESIGN THINKING		a,b c,d,f,g,n a,b,c,e,n - Total	2 2 3 0 0 19 L 2 3 3 3	0 0 0 0 0 1 T	4 2 0 2 2 14 P 2 0 0 0 2	4 3 3 1 0 26.0 C 3 3 3
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No. 21CB501 21CB502 21CB503 21CB504 21CB507	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS COMPLIER DESIGN BUSINESS STRATEGY DESIGN THINKING COMPILER DESIGN LABORATORY		a,b c,d,f,g,n a,b,c,e,n - Total	2 2 3 0 0 19 L 2 3 3 3 2	0 0 0 0 0 1 T	4 2 0 2 2 14 P 2 0 0 0 2 2 2	4 3 3 1 0 26.0 C 3 3 3 3
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No. 21CB501 21CB502 21CB503 21CB504 21CB507 21CB508	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS COMPLIER DESIGN BUSINESS STRATEGY DESIGN THINKING COMPILER DESIGN LABORATORY MINI PROJECT		a,b c,d,f,g,n a,b,c,e,n - Total	2 2 3 0 0 19 L 2 3 3 2 0	0 0 0 0 0 1 T	4 2 0 2 2 14 P 2 0 0 0 2 2 2 2 2	4 3 3 1 0 26.0 C 3 3 3 3 1
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No. 21CB501 21CB502 21CB503 21CB504 21CB507 21CB508 21CB040 21CB041	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS COMPLIER DESIGN BUSINESS STRATEGY DESIGN THINKING COMPILER DESIGN LABORATORY MINI PROJECT CLOUD, MICROSERVICES MACHINE LEARNING		a,b c,d,f,g,n a,b,c,e,n - Total s &Outcomes POs	2 2 3 0 0 19 L 2 3 3 2 0 0 0 3 3	0 0 0 0 0 1 1 T	4 2 0 2 2 14 P 2 0 0 2 2 2 2 2 0 0	4 3 3 1 0 26.0 C 3 3 3 3 1 1 1 3
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No. 21CB501 21CB502 21CB503 21CB504 21CB507 21CB508 21CB040 21CB041 19CB501	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS COMPLIER DESIGN BUSINESS STRATEGY DESIGN THINKING COMPILER DESIGN LABORATORY MINI PROJECT CLOUD, MICROSERVICES MACHINE LEARNING DESIGN AND ANALYSIS OF ALGORITHMS		a,b c,d,f,g,n a,b,c,e,n - Total s &Outcomes POs a,b,c,e,m	2 2 3 0 0 19 L 2 3 3 2 0 0 0 3 3 2	0 0 0 0 0 1 T	4 2 0 2 2 14 PP 2 0 0 2 2 2 0 0 0 2 2	4 3 3 1 0 26.0 C 3 3 3 1 1 1 3 3
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No. 21CB501 21CB502 21CB503 21CB504 21CB507 21CB508 21CB040 21CB041 19CB501	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS COMPLIER DESIGN BUSINESS STRATEGY DESIGN THINKING COMPILER DESIGN LABORATORY MINI PROJECT CLOUD, MICROSERVICES MACHINE LEARNING DESIGN AND ANALYSIS OF ALGORITHMS COMPILER DESIGN DESIGN AND ANALYSIS OF ALGORITHMS COMPILER DESIGN		a,b c,d,f,g,n a,b,c,e,n - Total **S **Outcomes **POs	2 2 3 0 0 19 L 2 3 3 2 0 0 0 3 3 2 3	0 0 0 0 0 0 1 T	4 2 0 2 2 14 PP 2 0 0 2 2 2 0 0 0 2 2 0 0	4 3 3 1 0 26.0 C 3 3 3 1 1 1 3 3 3 3
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No. 21CB501 21CB502 21CB503 21CB504 21CB507 21CB508 21CB040 21CB041 19CB501 19CB502	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS COMPLIER DESIGN BUSINESS STRATEGY DESIGN THINKING COMPILER DESIGN LABORATORY MINI PROJECT CLOUD, MICROSERVICES MACHINE LEARNING DESIGN AND ANALYSIS OF ALGORITHMS COMPILER DESIGN BUSINESS STRATEGY DESIGN AND ANALYSIS OF ALGORITHMS COMPILER DESIGN BUSINESS STRATEGY		a,b c,d,f,g,n a,b,c,e,n - Total s &Outcomes POs a,b,c,e,m b,c,e e,i,n	2 2 3 0 0 19 L 2 3 3 2 0 0 0 3 3 2 3 3 2	0 0 0 0 0 0 1	4 2 0 2 2 14 PP 2 0 0 2 2 2 0 0 0 2 0 0 0 0	4 3 3 1 0 26.0 C 3 3 3 1 1 1 1 3 3 3 3
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No. 21CB501 21CB502 21CB503 21CB504 21CB507 21CB508 21CB040 21CB041 19CB501	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS COMPLIER DESIGN BUSINESS STRATEGY DESIGN THINKING COMPILER DESIGN LABORATORY MINI PROJECT CLOUD, MICROSERVICES MACHINE LEARNING DESIGN AND ANALYSIS OF ALGORITHMS COMPILER DESIGN BUSINESS STRATEGY DESIGN AND ANALYSIS OF ALGORITHMS COMPILER DESIGN BUSINESS STRATEGY DESIGN THINKING		a,b c,d,f,g,n a,b,c,e,n - Total **S **Outcomes **POs	2 2 3 0 0 19 L 2 3 3 2 0 0 0 3 3 2 3	0 0 0 0 0 0 1 T	4 2 0 2 2 14 PP 2 0 0 2 2 2 0 0 0 2 2 0 0	4 3 3 1 0 26.0 C 3 3 3 1 1 1 3 3 3 3 3 3 3
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No. 21CB501 21CB502 21CB503 21CB504 21CB507 21CB508 21CB040 21CB041 19CB501 19CB502	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS COMPLIER DESIGN BUSINESS STRATEGY DESIGN THINKING COMPILER DESIGN LABORATORY MINI PROJECT CLOUD, MICROSERVICES MACHINE LEARNING DESIGN AND ANALYSIS OF ALGORITHMS COMPILER DESIGN BUSINESS STRATEGY DESIGN AND ANALYSIS OF ALGORITHMS COMPILER DESIGN BUSINESS STRATEGY DESIGN THINKING PROFESSIONAL ELECTIVE I		a,b c,d,f,g,n a,b,c,e,n - Total s &Outcomes POs a,b,c,e,m b,c,e e,i,n	2 2 3 0 0 19 L 2 3 3 2 0 0 0 3 3 2 3 3 2	0 0 0 0 0 0 1	4 2 0 2 2 14 PP 2 0 0 2 2 2 0 0 0 2 0 0 0 0	4 3 3 1 0 26.0 26.0 26.0 3 3 3 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3
19CB406 19CB407 19CB408 18GE601 Fifth Semeste Code No. 21CB501 21CB502 21CB503 21CB504 21CB507 21CB508 21CB040 21CB041 19CB501 19CB502	OPERATIONS RESEARCH MARKETING RESEARCH AND MARKETING MANAGEMENT DATABASE MANAGEMENT SYSTEMS LABORATORY SOFT SKILLS-APTITUDE II Course DESIGN AND ANALYSIS OF ALGORITHMS COMPLIER DESIGN BUSINESS STRATEGY DESIGN THINKING COMPILER DESIGN LABORATORY MINI PROJECT CLOUD, MICROSERVICES MACHINE LEARNING DESIGN AND ANALYSIS OF ALGORITHMS COMPILER DESIGN BUSINESS STRATEGY DESIGN AND ANALYSIS OF ALGORITHMS COMPILER DESIGN BUSINESS STRATEGY DESIGN THINKING		a,b c,d,f,g,n a,b,c,e,n - Total s &Outcomes POs a,b,c,e,m b,c,e e,i,n	2 2 3 0 0 19 L 2 3 3 2 0 0 0 3 3 2 3 3 2	0 0 0 0 0 0 1	4 2 0 2 2 14 PP 2 0 0 2 2 2 0 0 0 2 0 0 0 0	C 3 3 3 1 0 26.0 26.0 3 3 3 3 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3

19CB508 MINI PROJE Sixth Semester Code No.	DESIGN LABORATORY						
Sixth Semester Code No.		<u> </u>	a,b,e	0	0	2	1
Code No.	EU1	-	-	0	0	2	1
Code No.			Total	26	0	16	40.0
		Objectives	&Outcomes				
19CB601 COMPUTER	Course			_		P	C
19CB601 COMPUTER		PEOs	POs				
	RINETWORKS	-	e,g,m,n	2	1	0	3
4000000	ION OF OUR TY		a,b,c,d,e,g,h,l,	_		_	
19CB602 INFORMAT	ION SECURITY	-	m,n	2	1	2	4
19CB603 ARTIFICIAL	INTELLIGENCE	<u> -</u>	a,b,c,m	2	0	4	4
	COMMUNICATION AND VALUE SCIENCE-IV	<u> </u>	a,e,f,g,i,j	2	0	2	3
		<u> </u>	a,e,i,g,i,j				3
	ONAL ELECTIVE III	-	-	-	-	-	_
	ONAL ELECTIVE IV	-	-	-	-	-	3
19CB607 COMPUTER	OCB607 COMPUTER NETWORKS LAB - a,b,c,e,m,n				0	2	1
			Total	8	2	10	21.0
Seventh Semester							
							<u> </u>
Code No.	Course	Objectives	&Outcomes	L	Ιт	lρ	l c
Code No.	Course	PEOs	POs	_	l '	l '	ľ
19CB014 INTRODUC	TION TO IOT	1 203		3	0	0	3
		ľ	b,c,e,m,n	-	-		
	SOCIAL TEXT AND MEDIA ANALYTICS	-	-	3	0	0	3
	DESIGN OF SOFTWARE APPLICATIONS	-	a,b,c,d,e,m,n	3	0	0	3
19CB702 IT WORKSH	HOP	-	a,b,e,m,n	3	0	0	3
19CB703 SERVICES	SCIENCE AND SERVICE OPERATIONAL MANAGEMENT	<u> </u> -	c,e,i,j,m,n	3	0	0	3
	T MANAGEMENT	 -	c,e,i,j,m,n	3	0	2	4
	ONAL ELECTIVE V	 	o,o,i,j,iii,ii	J			3
		 	<u> </u>	-	<u> </u>	<u> </u>	
	ONAL ELECTIVE VI	-	-	-	-	-	3
19CB707 SERVICES	SCIENCE AND SERVICE OPERATIONAL MANAGEMENT	-	a,b,c,e	0	0	4	2
19CB021 HUMAN RE	SOURCE MANAGEMENT	-	f,k,m,n	3	0	0	3
•			Total	21	0	6	30.0
Eight Semester							<u> </u>
Light demester		1					_
Code No.	Course	Objectives	&Outcomes	L	Ιτ	lρ	Ιc
Code No.	Course	PEOs	POs	_	'	-	`
40CD004 DD0 IECT (TVALLIATION II	1 1 2 0 3	103	0	_	4.4	7
	EVALUATION II		-	0	0	14	7
	ONAL ELECTIVE VII	-	-	-	-	-	3
PROFESSIO	ONAL ELECTIVE VIII	-	-	-	-	-	3
PROFESSIO	ON ELECTIVE IX	-	-	-	-	-	3
			Total	0	0	14	16.0
Electives							
· · · · · · · · · · · · · · · · · · ·							
	Course					l	_
Code No.		Objectives	&Outcomes	L	Т	Р	С
Code No.		PEOs	&Outcomes POs	L	Т	Р	С
				L	Т	Р	С
DISCIPLINE ELECTIVES	PROSERVICES AND ARRIVATIONS		POs				
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC	CROSERVICES AND APPLICATIONS		POs a,b,c,e,n	3	0	0	3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L	EARNING		a,b,c,e,n a,b,c,d,e,f,m	3	0	0 0	3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L			POs a,b,c,e,n	3	0	0	3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT	EARNING		a,b,c,e,n a,b,c,d,e,f,m	3	0	0 0	3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA	EARNING FIONAL FINANCE AND MODELING		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n	3 3	0 0	0 0	3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS	EARNING FIONAL FINANCE AND MODELING IL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n	3 3 3 3	0 0 0 0	0 0 0 0	3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W	EARNING FIONAL FINANCE AND MODELING L PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,m,n	3 3 3 3 3	0 0 0 0	0 0 0 0	3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ	LEARNING FIONAL FINANCE AND MODELING LL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,m,n	3 3 3 3 3 3	0 0 0 0 0	0 0 0 0 0	3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS	LEARNING FIONAL FINANCE AND MODELING AL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,m,n a,c,e,f,l,m,n b,c,e,m,n	3 3 3 3 3 3 3	0 0 0 0 0 0	0 0 0 0 0 0	3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE I	EARNING FIONAL FINANCE AND MODELING AL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,m,n	3 3 3 3 3 3 3 3	0 0 0 0 0	0 0 0 0 0	3 3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE I	LEARNING FIONAL FINANCE AND MODELING AL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,m,n a,c,e,f,l,m,n b,c,e,m,n	3 3 3 3 3 3 3	0 0 0 0 0 0	0 0 0 0 0 0	3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE I 19CB012 IMAGE PRO	LEARNING FIONAL FINANCE AND MODELING LL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE DCESSING AND PATTERN RECOGNITION		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,m,n b,c,e,m,n	3 3 3 3 3 3 3 3	0 0 0 0 0 0 0	0 0 0 0 0 0	3 3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE I 19CB012 IMAGE PRO	EARNING FIONAL FINANCE AND MODELING AL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,m,n b,c,e,m,n b,c,e,m,n b,k,m,n a,b,c,m,n	3 3 3 3 3 3 3 3	0 0 0 0 0 0	0 0 0 0 0 0	3 3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE I 19CB012 IMAGE PRO	EARNING FIONAL FINANCE AND MODELING IL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS ING AND ANALYTICS SE SYSTEMS FINANCE DCESSING AND PATTERN RECOGNITION E SCIENCE AND ANALYTICS		## A.D. ## A.D	3 3 3 3 3 3 3 3	0 0 0 0 0 0 0	0 0 0 0 0 0	3 3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE F 19CB012 IMAGE PRO 19CB013 COGNITIVE	EARNING FIONAL FINANCE AND MODELING IL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS ING AND ANALYTICS SE SYSTEMS FINANCE DCESSING AND PATTERN RECOGNITION E SCIENCE AND ANALYTICS		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,l,m,n b,c,e,m,n b,k,m,n a,b,c,m,n a,b,c,d,e,f,l,m,n c,d,e	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
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE F 19CB012 IMAGE PRO 19CB013 COGNITIVE 19CB015 CRYPTOLO 19CB016 QUANTUM	EARNING FIONAL FINANCE AND MODELING AL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE DCESSING AND PATTERN RECOGNITION E SCIENCE AND ANALYTICS DGY COMPUTATION AND QUANTUM INFORMATION		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,l,m,n b,c,e,m,n b,k,m,n a,b,c,m,n a,b,c,d,e,f,l,m,n c,d,e a,b,c	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD, MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE II 19CB012 IMAGE PRO 19CB013 COGNITIVE 19CB015 CRYPTOLO 19CB016 QUANTUM 19CB017 ADVANCE II	EARNING FIONAL FINANCE AND MODELING AL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE DOCESSING AND PATTERN RECOGNITION E SCIENCE AND ANALYTICS DGY COMPUTATION AND QUANTUM INFORMATION D SOCIAL TEXT AND MEDIA ANALYTICS		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,l,m,n b,c,e,m,n b,k,m,n a,b,c,m,n a,b,c,d,e,f,l,m,n c,d,e a,b,c a,b,c,d,e	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE I 19CB012 IMAGE PRO 19CB013 COGNITIVE 19CB015 CRYPTOLO 19CB016 QUANTUM 19CB017 ADVANCE I 19CB018 MOBILE CO	EARNING FIONAL FINANCE AND MODELING AL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE DOCESSING AND PATTERN RECOGNITION E SCIENCE AND ANALYTICS OGY COMPUTATION AND QUANTUM INFORMATION D SOCIAL TEXT AND MEDIA ANALYTICS DMPUTING		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,l,m,n b,c,e,m,n b,k,m,n a,b,c,m,n a,b,c,d,e,f,l,m,n c,d,e a,b,c a,b,c a,b,c,d,e a,b,c a,b,c,d,e	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE I 19CB012 IMAGE PRO 19CB013 COGNITIVE 19CB015 CRYPTOLC 19CB016 QUANTUM 19CB017 ADVANCE I 19CB018 MOBILE CC 19CB019 FUNDAMEN	EARNING FIONAL FINANCE AND MODELING AL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE DOCESSING AND PATTERN RECOGNITION E SCIENCE AND ANALYTICS OGY COMPUTATION AND QUANTUM INFORMATION D SOCIAL TEXT AND MEDIA ANALYTICS OMPUTING NTALS OF MANAGEMENT		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,l,m,n b,c,e,m,n b,k,m,n a,b,c,m,n a,b,c,d,e,f,l,m,n c,d,e a,b,c a,b,c,d,e	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE I 19CB012 IMAGE PRO 19CB013 COGNITIVE 19CB015 CRYPTOLC 19CB016 QUANTUM 19CB017 ADVANCE I 19CB018 MOBILE CC 19CB019 FUNDAMEN	EARNING FIONAL FINANCE AND MODELING AL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE DOCESSING AND PATTERN RECOGNITION E SCIENCE AND ANALYTICS OGY COMPUTATION AND QUANTUM INFORMATION D SOCIAL TEXT AND MEDIA ANALYTICS DMPUTING		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,l,m,n b,c,e,m,n b,k,m,n a,b,c,m,n a,b,c,d,e,f,l,m,n c,d,e a,b,c a,b,c a,b,c,d,e a,b,c a,b,c,d,e	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE I 19CB012 IMAGE PRO 19CB013 COGNITIVE 19CB015 CRYPTOLC 19CB016 QUANTUM 19CB017 ADVANCE I 19CB018 MOBILE CC 19CB019 FUNDAMEN	EARNING FIONAL FINANCE AND MODELING AL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE DOCESSING AND PATTERN RECOGNITION E SCIENCE AND ANALYTICS OGY COMPUTATION AND QUANTUM INFORMATION D SOCIAL TEXT AND MEDIA ANALYTICS OMPUTING NTALS OF MANAGEMENT		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,m,n b,c,e,m,n b,k,m,n a,b,c,d,e,f,l,m,n c,d,e a,b,c,d,e,f,l,m, n c,d,e a,b,c a,b,c,d,e h,i,k,m,n	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE I 19CB012 IMAGE PRO 19CB013 COGNITIVE 19CB015 CRYPTOLO 19CB016 QUANTUM 19CB017 ADVANCE I 19CB018 MOBILE CO 19CB019 FUNDAMEN 19CB020 FINANCIAL ONE CREDIT COURSES	EARNING FIONAL FINANCE AND MODELING AL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE DOCESSING AND PATTERN RECOGNITION E SCIENCE AND ANALYTICS OGY COMPUTATION AND QUANTUM INFORMATION D SOCIAL TEXT AND MEDIA ANALYTICS OMPUTING NTALS OF MANAGEMENT		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,l,m,n b,c,e,m,n a,b,c,m,n a,b,c,d,e,f,l,m,n c,d,e a,b,c a,c a,b,c a,c a,c a,c a,c a,c a,c a,c a,c a,c a	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE I 19CB012 IMAGE PRO 19CB013 COGNITIVE 19CB015 CRYPTOLO 19CB016 QUANTUM 19CB017 ADVANCED 19CB018 MOBILE CO 19CB019 FUNDAMEN 19CB020 FINANCIAL ONE CREDIT COURSES 19CB0XB DIGITAL MA	EARNING FIONAL FINANCE AND MODELING LL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE DOCESSING AND PATTERN RECOGNITION E SCIENCE AND ANALYTICS DOGY COMPUTATION AND QUANTUM INFORMATION D SOCIAL TEXT AND MEDIA ANALYTICS DMPUTING NTALS OF MANAGEMENT AND COST ACCOUNTING ARKETING-INTERMEDIATE		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,l,m,n b,c,e,m,n a,b,c,m,n a,b,c,d,e,f,l,m,n c,d,e a,b,c	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE I 19CB012 IMAGE PRO 19CB015 CRYPTOLO 19CB016 QUANTUM 19CB017 ADVANCED 19CB018 MOBILE CO 19CB019 FUNDAMEN 19CB020 FINANCIAL ONE CREDIT COURSES 19CB0XB DIGITAL MA	EARNING FIONAL FINANCE AND MODELING LL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE DOCESSING AND PATTERN RECOGNITION E SCIENCE AND ANALYTICS DIGY COMPUTATION AND QUANTUM INFORMATION D SOCIAL TEXT AND MEDIA ANALYTICS DMPUTING WITALS OF MANAGEMENT AND COST ACCOUNTING		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,l,m,n b,c,e,m,n a,b,c,m,n a,b,c,d,e,f,l,m,n c,d,e a,b,c a,c a,b,c a,c a,c a,c a,c a,c a,c a,c a,c a,c a	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DISCIPLINE ELECTIVES 19CB002 CLOUD,MIC 19CB003 MACHINE L 19CB005 COMPUTAT 19CB006 INDUSTRIA 19CB007 ROBOTICS 19CB008 MODERN W 19CB009 DATA MININ 19CB010 ENTERPRIS 19CB011 ADVANCE R 19CB012 IMAGE PRO 19CB015 CRYPTOLO 19CB016 QUANTUM 19CB017 ADVANCED 19CB018 MOBILE CO 19CB019 FUNDAMEN 19CB020 FINANCIAL ONE CREDIT COURSES 19CB0XB DIGITAL MA OPEN ELECTIVES	EARNING FIONAL FINANCE AND MODELING AL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE DOCESSING AND PATTERN RECOGNITION E SCIENCE AND ANALYTICS DOGY COMPUTATION AND QUANTUM INFORMATION D SOCIAL TEXT AND MEDIA ANALYTICS DIMPUTING NTALS OF MANAGEMENT AND COST ACCOUNTING ARKETING-INTERMEDIATE ARKETING-ADVANCED		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,l,m,n b,c,e,m,n a,b,c,m,n a,b,c,d,e,f,l,m,n c,d,e a,b,c	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 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
DISCIPLINE ELECTIVES	EARNING FIONAL FINANCE AND MODELING AL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE DOCESSING AND PATTERN RECOGNITION E SCIENCE AND ANALYTICS DOGY COMPUTATION AND QUANTUM INFORMATION D SOCIAL TEXT AND MEDIA ANALYTICS DIMPUTING NTALS OF MANAGEMENT AND COST ACCOUNTING ARKETING-INTERMEDIATE ARKETING-ADVANCED		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,l,m,n b,c,e,m,n a,b,c,m,n a,b,c,d,e,f,l,m,n c,d,e a,b,c	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 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
DISCIPLINE ELECTIVES	EARNING FIONAL FINANCE AND MODELING AL PSYCHOLOGY AND ITS INDUSTRIAL APPLICATIONS WEB APPLICATIONS NG AND ANALYTICS SE SYSTEMS FINANCE DOCESSING AND PATTERN RECOGNITION E SCIENCE AND ANALYTICS DOGY COMPUTATION AND QUANTUM INFORMATION D SOCIAL TEXT AND MEDIA ANALYTICS DIMPUTING NTALS OF MANAGEMENT AND COST ACCOUNTING ARKETING-INTERMEDIATE ARKETING-ADVANCED		a,b,c,e,n a,b,c,d,e,f,m b,d,e,k,m,n a,b,c,f,h,i,m,n b,c,d,e,m,n a,c,e,f,l,m,n b,c,e,m,n a,b,c,m,n a,b,c,d,e,f,l,m,n c,d,e a,b,c	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 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

18GE0XK	NEW AGE INNOVATION AND ENTREPRENEURSHIP	I.	I.	1	0	0	1
18GE0XL	NATIONAL CADET CORPS	+		1	0	0	1
18GE0XM	COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT	-	-	1	0	0	1
18GE0XN	DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES	-	-	1	0	0	1
DISCIPLINE E					,		
19CB004	BEHAVIORAL ECONOMICS	-	c,d,g,n	3	0	0	3
ONE CREDIT	COURSES						
18CS0XM	MACHINE LEARNING FOR ENGINEERS	-	-	0	0	0	1
19CB0XA	DIGITAL MARKETING-BEGINNERS	-	a,b,j,k	1	0	0	1
ADDITIONAL (ONE CREDIT COURSE	•					•
18GE0XF	VEDIC MATHEMATICS	-	-	1	0	0	1
DISCIPLINE E	LECTIVES						
19CB001	CONVERSATIONAL SYSTEMS	-	a,b,c,d,e,f,m,n	3	0	0	3
OPEN ELECTI	-						
18AE0YA	NON-DESTRUCTIVE TESTING	-	-	3	0	0	3
18AE0YB	SMART MATERIALS	-	-	3	0	0	3
18AE0YC	FUNDAMENTALS OF AIRCRAFT ENGINEERING	-	-	3	0	0	3
18AG0YA	ENTREPRENEURSHIP DEVELOPMENT AND FOOD QUALITY MANAGEMENT FOOD INDUSTRY	-	-	3	0	0	3
18AG0YB	HUMAN ENGINEERING AND SAFETY IN AGRICULTURE	 -	-	3	0	0	3
18AG0YC	ENERGY MANGEMENT IN AGRICULTURE	-	-	3	0	0	3
18AG0YD	FARM MECHANISATION	-	-	3	0	0	3
18AU0YA	AUTOMOTIVE ENGINEERING	-	-	3	0	0	3
18AU0YB	VEHICLE CONTROL SYSTEMS	1-	1-	3	0	0	3
18AU0YC	PUBLIC TRANSPORT MANAGEMENT	-	-	3	0	0	3
18AU0YD	TECHNOLOGIES FOR GREEN MOBILITY	1-	-	3	0	0	3
18AU0YE	TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES	1-	-	3	0	0	3
18BT0YA	BIOFUELS	-	-	3	0	0	3
18BT0YB	MUSHROOM CULTIVATION AND VERMICOMPOSTING	-	-	3	0	0	3
18BT0YC	FORENSIC TECHNOLOGY	-	-	3	0	0	3
18CE0YA	GREEN BUILDINGS	-	-	3	0	0	3
18CE0YB	DISASTER PREPAREDNESS AND PLANNING	-	-	3	0	0	3
18CE0YC	ENVIRONMENTAL IMPACT ASSESSMENT	-	-	3	0	0	3
18CE0YD	BUILDING SERVICES	-	-	3	0	0	3
18CE0YE	INDUSTRIAL WASTE MANAGEMENT	-	-	3	0	0	3
18CE0YF	WEALTH FROM WASTE	-	-	3	0	0	3
18CE0YG	RISK AND SAFETY MANAGEMENT	-	-	3	0	0	3
18CE0YH	ENERGY SCIENCE AND ENGINEERING	<u> </u>	-	3	0	0	3
18CE0YI	CONCEPTS OF REMOTE SENSING E-LEARNING TECHNIQUES	 	-	3	0	0	3
18CS0YB	SOFTWARE TESTING AND QUALITY ASSURANCE	-	<u>-</u>	3	0	0	3
18CS0YC	JAVA FUNDAMENTALS	+	- -	3	0	0	3
18CS0YD	NETWORK ENGINEERING AND MANAGEMENT	-	-	3	0	0	3
18CS0YE	AGENT BASED INTELLIGENT SYSTEMS	-	-	3	0	0	3
18CS0YF	E-BUSINESS	-	-	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	1-	-	3	0	0	3
18EC0YA	BASICS OF ANALOG AND DIGITAL ELECTRONICS	-	-	3	0	0	3
18EC0YB	AUTOMOTIVE ELECTRONICS	<u>-</u>		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	<u> </u> -	-	3	0	0	3
18EC0YI	ELECTRONIC PRODUCT DESIGN AND PACKAGING	<u> </u> -	-	3	0	0	3
18EC0YJ	PRINCIPLES OF COMPUTER COMMUNICATION AND NETWORKS	+	-	3	0	0	3
18EE0YA	ENERGY CONSERVATION AND MANAGEMENT	+	<u> </u> -	3	0	0	3
18EE0YB 18EE0YC	ELECTRICAL SAFETY INDUSTRIAL DRIVES AND CONTROL	+	<u> </u>	3	0	0	3
18EE0YC 18EI0YA	PROGRAMMABLE LOGIC CONTROLLERS	 -	<u>[</u>	3	0	0	3
18EI0YB	SENSOR TECHNOLOGY	+-	-	3	0	0	3
18EI0YC	FUNDAMENTALS OF VIRTUAL INSTRUMENTATION	1-	1-	3	0	0	3
18EI0YD	OPTOELECTRONICS AND LASER INSTRUMENTATION	1-	-	3	0	0	3
18FD0YA	TRADITIONAL FOODS	1-	-	3	0	0	3
18FD0YB	FOOD LAWS AND REGULATIONS	 -	-	3	0	0	3
		1	1				ـــــــــــــــــــــــــــــــــــــــ

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
18GE05	COMPOSITE MATERIALS	-	-	3	0	0	3
18GE06	WASTE TO ENERGY	-	-	3	0	0	3
18IT0YA	DATABASE MANAGEMENT SYSTEMS	-	-	3	0	0	3
18IT0YB	DATA STRUCTURES AND ALGORITHMS	-	-	3	0	0	3
18IT0YC	DATA SCIENCES AND ANALYTICS	-	-	3	0	0	3
18IT0YD	OBJECT ORIENTED PROGRAMMING	-	-	3	0	0	3
18IT0YE	ARTIFICIAL INTELLIGENCE	-	-	3	0	0	3
18ME0YA	INDUSTRIAL PROCESS ENGINEERING	-	-	3	0	0	3
18ME0YB	SAFETY ENGINEERING	-	-	3	0	0	3
18ME0YC	MAINTENANCE ENGINEERING	-	-	3	0	0	3
18ME0YD	BASICS OF NON-DESTRUCTIVE TESTING	-	-	3	0	0	3
18ME0YE	DIGITAL MANUFACTURING	-	-	3	0	0	3
18ME0YF	WORK STUDY AND ERGONOMICS	-	-	3	0	0	3
18ME0YG	METROLOGY IN INDUSTRY	-	-	3	0	0	3
18ME0YH	PLANT LAYOUT AND MATERIAL HANDLING	-	-	3	0	0	3
18ME0YI	CONCEPTS OF ENGINEERING DESIGN	-	-	3	0	0	3
18ME0YJ	OIL HYDRAULICS AND PNEUMATICS	-	-	3	0	0	3
18ME0YK	ENERGY AUDITING AND MANAGEMENT	-	-	3	0	0	3
18ME0YL	LEAN SIX SIGMA	-	-	3	0	0	3
18ME0YM	HEATING VENTILATION AND AIRCONDITIONING	-	-	3	0	0	3
18TT0YA	YARN AND FABRIC MANUFACTURE	-	-	3	0	0	3
18TT0YB	COLOURATION OF TEXTILES	<u> </u>	-	3	0	0	3
18TT0YC	TEXTILES IN ENGINEERING APPLICATION	-	-	3	0	0	3
18TT0YD	GENERAL TEXTILE TECHNOLOGY	-	-	3	0	0	3