	B.E. INFORMATION SCIENCE AN	D ENGINEERING					
	Minimum Credits to be Ear						
First Semeste	r						
Code No.	Course	Objectives	Objectives &Outcomes		т	Р	С
Code No.	Course	PEOs	POs	┫╏		r	
19IS101	ENGINEERING MATHEMATICS I	I,II	a,b	3	1	0	4
19IS102	ENGINEERING PHYSICS I	1,11,111	a,b,i	2	0	2	3
19IS103	ENGINEERING CHEMISTRY I	1,11	a,b,g	2	0	2	3
19IS104	COMPUTER PROGRAMMING	1,11	a,b,c	2	0	2	3
19HS101	COMMUNICATIVE ENGLISH I	-	-	1	0	2	2
19IS106	BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	1,11	a,b,c,d,l	2	0	2	3
		•	Total	12	1	10	18.0
Second Seme	nd Semester						
	•	Objectives	&Outcomes	_			
Code No.	Course			ᅵᅵ	Т	Р	C
19IS201	ENGINEERING MATHEMATICS II	PEOs	POs	3	1	0	4
19IS201 19IS202	ENGINEERING PHYSICS II	1,11	a,b	2	0	2	3
		1,11,111	a,b,i				_
19IS203	ENGINEERING CHEMISTRY II	1,11	a,b,g	2	0	2	3
19IS204	PROBLEM SOLVING AND PROGRAMMING USING PYTHON	1,11	a,b,c	3	0	2	4
	LANGUAGE ELECTIVE	-	-	-	-	-	2
19IS206	DIGITAL SYSTEM DESIGN	1,11	a,b,c	3	0	2	4
19IS207	ENGINEERING GRAPHICS	1,11,111	a,i	1	0	4	3
			Total	14	1	12	23.0
Third Semest	er						
		Objectives	&Outcomes	Ι. Ι	_	_	
Code No.	Course	PEOs	POs	L	Т	Р	C
19IS301	PROBABILITY AND STATISTICS	I,II		3	1	0	4
			a,b	-			·
19IS302	COMPUTER ARCHITECTURE	1,11	a,b,c	3	0	0	3
19IS303	DATA STRUCTURES AND ALGORITHMS	1,11	a,b,c	3	0	0	3
19IS304	OBJECT ORIENTED PROGRAMMING	1,11	a,b,c,e	2	0	2	3
19IS305	DATABASE MANAGEMENT SYSTEMS	1,11	a,b,c,e	3	0	0	3
19IS306	WEB TECHNOLOGY	1,11	a,c,e,f	2	0	2	3
19IS307	DATA STRUCTURES AND ALGORITHMS LABORATORY	1,11	e,m	0	0	4	2
19IS308	DATABASE MANAGEMENT SYSTEMS LABORATORY	1,11	a,b,c,e,m,n	0	0	4	2
18GE301	SOFT SKILLS - VERBAL ABILITY	-	-	2	0	0	0
			Total	18	1	12	23.0
Fourth Semes	ter						
							l c
Code No	Course	Objectives	&Outcomes		т	P	ا م ا
Code No.	Course	Objectives PEOs	&Outcomes POs	L	т	Р	С
		PEOs	POs		T	P	C
19IS401	FORMAL LANGUAGES AND AUTOMATA THEORY	PEOs	POs a,b,c	3	1	0	4
19IS401 19IS402	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS	PEOs 1,11 1,11	POs a,b,c a,b,c	3	1 0	0	4 3
19IS401 19IS402 19IS403	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS	PEOs	POs a,b,c a,b,c a,b,e	3 3 3	1 0 0	0 0	3 3
19IS401 19IS402 19IS403 19IS404	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING	PEOs I, I, I, I,	POs a,b,c a,b,c a,b,e a,b,c	3 3 3 3	1 0 0	0 0 0	4 3 3 3
19IS401 19IS402 19IS403 19IS404 19IS405	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL	PEOs I,II I,II I,II I,II I,II	POs a,b,c a,b,c a,b,e a,b,c a,c,e	3 3 3 3	1 0 0 0	0 0 0 0	4 3 3 3 3
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING	PEOs I,II I,II I,II I,II I,II I,II I,II	POs a,b,c a,b,c a,b,e a,b,c a,c,e a,c,e a,b,c	3 3 3 3 3	1 0 0 0 0	0 0 0 0 0	4 3 3 3 3 3
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY	PEOs 1,11 1,11 1,11 1,11 1,11 1,11 1,11	POs a,b,c a,b,c a,b,e a,b,c a,c,e a,c,e a,b,c a,b,c	3 3 3 3 3 0	1 0 0 0 0	0 0 0 0 0 0	4 3 3 3 3 3 2
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY	PEOs I,II I,II I,II I,II I,II I,II I,II	POs a,b,c a,b,c a,b,e a,b,c a,c,e a,c,e a,b,c	3 3 3 3 3 0	1 0 0 0 0 0	0 0 0 0 0 0 0 4 4	4 3 3 3 3 3 2 2
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE	PEOs 1,11 1,11 1,11 1,11 1,11 1,11 1,11	POs a,b,c a,b,c a,b,e a,b,c a,c,e a,c,e a,b,c a,b,c	3 3 3 3 3 0 0	1 0 0 0 0 0 0	0 0 0 0 0 0 0 4 4	4 3 3 3 3 3 2 2
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY	PEOs 1,11 1,11 1,11 1,11 1,11 1,11 1,11	POs a,b,c a,b,e a,b,c a,c,e a,b,c a,b,e a,b,c	3 3 3 3 3 0 0	1 0 0 0 0 0 0 0	0 0 0 0 0 0 4 4 4	4 3 3 3 3 3 2 2 0 0
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING	PEOs 1,11 1,11 1,11 1,11 1,11 1,11 1,11	POs a,b,c a,b,c a,b,e a,b,c a,c,e a,c,e a,b,c a,b,c	3 3 3 3 3 0 0	1 0 0 0 0 0 0	0 0 0 0 0 0 0 4 4	4 3 3 3 3 3 2 2
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING	PEOs 1,11 1,11 1,11 1,11 1,11 1,11 1,11	POs a,b,c a,b,e a,b,c a,c,e a,b,c a,b,e a,b,c	3 3 3 3 3 0 0	1 0 0 0 0 0 0 0	0 0 0 0 0 0 4 4 4	4 3 3 3 3 3 2 2 0 0
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING	PEOs 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1,11	POs a,b,c a,b,e a,b,c a,c,e a,b,c a,b,e a,b,c	3 3 3 3 3 0 0 2 2 22	1 0 0 0 0 0 0 0	0 0 0 0 0 0 4 4 0 0	4 3 3 3 3 3 2 2 0 0
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING	PEOs , , , , , , , , ,	POs a,b,c a,b,e a,b,c a,c,e a,b,c a,b,e a,b,c Total	3 3 3 3 3 0 0	1 0 0 0 0 0 0 0	0 0 0 0 0 0 4 4 4	4 3 3 3 3 3 2 2 0 0
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401 Fifth Semeste	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING	PEOs 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1,11	POs a,b,c a,b,e a,b,c a,c,e a,b,c a,b,c a,b,c Total	3 3 3 3 3 0 0 2 2 22	1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 4 4 0 0 8	4 3 3 3 3 3 2 2 2 0 0 23.0
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401 Fifth Semeste Code No.	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COMPILER DESIGN	PEOs , , , , , , , , ,	POs a,b,c a,b,e a,b,c a,c,e a,b,c a,b,e a,b,c Total	3 3 3 3 3 3 0 0 2 2 22 22	1 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 4 4 4 0 0 8	4 3 3 3 3 3 2 2 0 0 23.0
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401 Fifth Semeste Code No. 21IS501 21IS502	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COURSE COMPILER DESIGN MICROPROCESSORS AND MICROCONTROLLER	PEOs , , , , , , , , ,	POs a,b,c a,b,e a,b,c a,c,e a,b,c a,b,e a,b,c Total	3 3 3 3 3 0 0 2 2 22 22	1 0 0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 4 4 0 0 8	4 3 3 3 3 3 2 2 0 0 23.0
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401 Fifth Semeste Code No. 21IS501 21IS502 21IS503	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COURSE COMPILER DESIGN MICROPROCESSORS AND MICROCONTROLLER DATA MINING	PEOs , , , , , , , , ,	POs a,b,c a,b,e a,b,c a,c,e a,b,c a,b,e a,b,c Total	3 3 3 3 3 0 0 0 2 2 22 22	1 0 0 0 0 0 0 0 1 T T 1 0 0 0	0 0 0 0 0 0 4 4 0 0 8	4 3 3 3 3 3 2 2 0 0 0 23.0
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401 Fifth Semeste Code No. 21IS501 21IS502 21IS503 21IS504	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COMPILER DESIGN MICROPROCESSORS AND MICROCONTROLLER DATA MINING COMPUTER NETWORKS	PEOs , , , , , , , , ,	POs a,b,c a,b,e a,b,c a,c,e a,b,c a,b,e a,b,c Total	3 3 3 3 3 0 0 0 2 2 22 22 L	1 0 0 0 0 0 0 1 T T 1 0 0 0 0	0 0 0 0 0 0 4 4 0 0 8	4 3 3 3 3 3 2 2 0 0 0 23.0
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401 Fifth Semeste Code No. 21IS501 21IS503 21IS504 21IS507	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COMPILER DESIGN MICROPROCESSORS AND MICROCONTROLLER DATA MINING COMPUTER NETWORKS DATA MINING LABORATORY	PEOs , , , , , , , , ,	POs a,b,c a,b,e a,b,c a,c,e a,b,c a,b,e a,b,c Total	3 3 3 3 3 0 0 2 2 22 22 L	1 0 0 0 0 0 0 1 T T 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 4 4 0 0 8 8	4 3 3 3 3 3 2 2 0 0 0 23.0
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401 Fifth Semeste Code No. 21IS501 21IS503 21IS504 21IS507 21IS508	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COMPILER DESIGN MICROPROCESSORS AND MICROCONTROLLER DATA MINING COMPUTER NETWORKS DATA MINING LABORATORY COMPUTER NETWORKS LABORATORY	PEOs , , , , , , , , ,	POs a,b,c a,b,e a,b,c a,c,e a,b,c a,b,e a,b,c Total	3 3 3 3 3 3 0 0 2 2 22 22 L	1 0 0 0 0 0 0 1 T T 1 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 4 4 0 0 8 8	4 3 3 3 3 3 2 2 0 0 23.0 C
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401 Fifth Semeste Code No. 21IS501 21IS502 21IS503 21IS504 21IS508 21IS038	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COMPILER DESIGN MICROPROCESSORS AND MICROCONTROLLER DATA MINING COMPUTER NETWORKS DATA MINING LABORATORY OPEN STACK ESSENTIALS	PEOs , , , , , , , , ,	POs a,b,c a,b,e a,b,c a,c,e a,b,c a,b,e a,b,c Total	3 3 3 3 3 3 0 0 2 2 22 22 L 3 3 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 1 T T 1 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 4 4 0 0 8 8 P	4 3 3 3 3 3 2 2 0 0 23.0 C 4 4 4 3 3 3 2 2 2 3
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401 Fifth Semester Code No. 21IS501 21IS502 21IS503 21IS504 21IS508 21IS038 21IS041	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING T COURSE COMPILER DESIGN MICROPROCESSORS AND MICROCONTROLLER DATA MINING COMPUTER NETWORKS DATA MINING LABORATORY COMPUTER NETWORKS LABORATORY OPEN STACK ESSENTIALS DIGITAL MARKETING	PEOs , , , , , , , , ,	POs a,b,c a,b,e a,b,c a,c,e a,b,c a,b,e a,b,c Total	3 3 3 3 3 3 0 0 2 2 2 22 22 L	1 0 0 0 0 0 0 0 1 T T 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 4 4 0 0 8 8 P	4 3 3 3 3 3 2 2 0 0 0 23.0 c
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401 Fifth Semester Code No. 21IS501 21IS502 21IS503 21IS504 21IS508 21IS038 21IS041 21GE501	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COMPILER DESIGN MICROPROCESSORS AND MICROCONTROLLER DATA MINING COMPUTER NETWORKS DATA MINING LABORATORY COMPUTER NETWORKS LABORATORY OPEN STACK ESSENTIALS DIGITAL MARKETING SOFT SKILLS A?? APTITUDE I	PEOs I,II I,II I,II I,II I,II I,II I,II I,II I,II - - - - - - - - - - - -	POS a,b,c a,b,e a,b,c a,c,e a,b,c a,b,c Total S &Outcomes POS	3 3 3 3 3 0 0 2 2 2 22 22 L	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 4 4 0 0 8 8 P 0 2 0 0 4 4 0 0 0 4 4 0 0 0 0 0 0 0 0 0	4 3 3 3 3 3 2 2 0 0 0 23.0 c 4 4 4 3 3 3 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401 Fifth Semester Code No. 21IS501 21IS502 21IS503 21IS504 21IS507 21IS508 21IS038 21IS041 21GE501 19IS501	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COMPILER DESIGN MICROPROCESSORS AND MICROCONTROLLER DATA MINING COMPUTER NETWORKS DATA MINING LABORATORY OPEN STACK ESSENTIALS DIGITAL MARKETING SOFT SKILLS A?? APTITUDE I COMPILER DESIGN	PEOs I,II - - - - - - - - - - - -	POS a,b,c a,b,e a,b,c a,c,e a,b,c a,b,c - Total S &Outcomes POS - - - - - - - - - - - - -	3 3 3 3 3 0 0 2 2 2 22 22 22 22 3 3 3 3	1 0 0 0 0 0 0 1 1 T T 1 0 0 0 0 0 0 1 1	0 0 0 0 0 4 4 0 0 8 8 P 0 2 0 0 4 4 4 0 0 0 0 4 4 0 0 0 0 0 0 0	4 3 3 3 3 3 2 2 0 0 0 23.0 C 4 4 4 3 3 3 2 2 2 0 4 4 4 4 3 2 2 2 2 3 3 4 4 4 4 4 4 4 4 4
19IS401 19IS402 19IS403 19IS404 19IS405 19IS406 19IS407 19IS408 18HS001 18GE401 Fifth Semester Code No. 21IS501 21IS502 21IS503 21IS504 21IS508 21IS038 21IS041 21GE501	FORMAL LANGUAGES AND AUTOMATA THEORY DESIGN AND ANALYSIS OF ALGORITHMS OPERATING SYSTEMS JAVA PROGRAMMING INFORMATION STORAGE AND RETRIEVAL SOFTWARE ENGINEERING OPERATING SYSTEMS LABORATORY JAVA PROGRAMMING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING COMPILER DESIGN MICROPROCESSORS AND MICROCONTROLLER DATA MINING COMPUTER NETWORKS DATA MINING LABORATORY COMPUTER NETWORKS LABORATORY OPEN STACK ESSENTIALS DIGITAL MARKETING SOFT SKILLS A?? APTITUDE I	PEOs I,II I,II I,II I,II I,II I,II I,II I,II I,II - - - - - - - - - - - -	POS a,b,c a,b,e a,b,c a,c,e a,b,c a,b,c Total S &Outcomes POS	3 3 3 3 3 0 0 2 2 2 22 22 L	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 4 4 0 0 8 8 P 0 2 0 0 4 4 0 0 0 4 4 0 0 0 0 0 0 0 0 0	4 3 3 3 3 3 2 2 0 0 0 23.0 c 4 4 4 3 3 3 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0

	COMPLITED NETWORKS	It ii	0.0	2	_	^	2
19IS504	COMPUTER NETWORKS	1,11	e,g	3	0	0	3
	PROFESSIONAL ELECTIVE I	-	-	-	-		3
	PROFESSIONAL ELECTIVE II	-	-	-	-	-	3
19IS507	DATA MINING LABORATORY	1,11	а	0	0	4	2
19IS508	COMPUTER NETWORKS LABORATORY	1,11	e,g	0	0	4	2
18GE501	SOFT SKILLS - APTITUDE I	-	-	0	0	2	0
Oissells Ossesses			Total	30	2	24	48.0
Sixth Semeste	er •					<u> </u>	1
Code No.	Course	Objective	s &Outcomes	ᆫᅵᅮᅵ	P	l c	
0000 1101	304100	PEOs	POs	_	'	-	
18HS003	PRINCIPLES OF MANAGEMENT	-	-	2	0	0	2
19IS602	BIG DATA ANALYTICS	1,11	a,b,c,d,e	3	0	0	3
19IS603	CLOUD INFRASTRUCTURE AND SERVICES	1,11	c,e	3	0	0	3
19IS604	VISUALIZATION TECHNIQUES	1,11	c,e	3	0	0	3
	PROFESSIONAL ELECTIVE III	-	-	-	-	-	3
	PROFESSIONAL ELECTIVE IV	-	-	-	-		3
19IS607	CLOUD INFRASTRUCTURE AND SERVICES LABORATORY	1,11	С	0	0	4	2
19IS608	VISUALIZATION TECHNIQUES LABORATORY	1,11	c,e	0	0	4	2
18GE601	SOFT SKILLS-APTITUDE II	-	-	0	0	2	0
1002001	OOI T ONICEO-AL TITODE II		Total	11	0	10	21.0
Seventh Seme	ester		iotai	- ''	Ü	10	21.0
- Continuo	T	1					1
Code No.	Course	Objective	s &Outcomes	L	т	Р	l c
		PEOs	POs				
18HS002	PROFESSIONAL ETHICS IN ENGINEERING	-	-	2	0	0	2
19IS702	MACHINE LEARNING	-	-	3	0	0	3
19IS703	INTERNET OF THINGS	-	-	3	0	0	3
19IS704	INFORMATION SECURITY	-	-	3	0	0	3
	PROFESSIONAL ELECTIVE V	-	-	-	-	-	3
	PROFESSIONAL ELECTIVE VI	-	-	-	-	-	3
19IS707	MACHINE LEARNING LABORATORY	-	-	0	0	4	2
19IS708	PROJECT WORK I	-	-	0	0	6	3
			Total	11	0	10	22.0
Eight Semest	er						
-igiii Geillegii	**						
	1	Objective	s &Outcomes				Ι
Code No.	Course		s &Outcomes	L	Т	Р	С
	Course	Objective PEOs	s &Outcomes	L	т	Р	
	Course PROFESSIONAL ELECTIVE VII			L -	Т -	P -	3
	Course				-	P -	
Code No.	PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX			- - -	-	- -	3 3 3
	Course PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE VIII		POs	- - - 0	- - - 0	- - - 18	3 3 3 9
Code No.	PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX			- - -	-	- -	3 3 3
Code No.	PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX		POs	- - - 0	- - - 0	- - - 18	3 3 3 9
Code No. 19IS804 Electives	PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II	PEOs	POs	- - - 0 0	- - 0 0	- - - - 18	3 3 3 9 18.0
Code No.	PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX	PEOs	POs Total	- - - 0	- - - 0	- - - 18	3 3 3 9
Code No. 19IS804 Electives	PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course	PEOs Objective	POs Total	- - - 0 0	- - 0 0	- - - - 18	3 3 3 9 18.0
Code No. 19IS804 Electives Code No.	PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course	PEOs Objective	POs Total	- - - 0 0	- - 0 0	- - - - 18	3 3 3 9 18.0
Code No. 19IS804 Electives Code No.	PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course	PEOs Objective	POs Total	- - 0 0	- - 0 0	- - - 18 18	3 3 3 9 18.0
Code No. 19IS804 Electives Code No. LANGUAGE E 18HS201	Course PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II	PEOs Objective	POs Total	- - 0 0	- - 0 0	- - - 18 18	3 3 3 9 18.0
Code No. 19IS804 Electives Code No. LANGUAGE E 18HS201 18HSC01	PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE	PEOs Objective	POs Total	- - 0 0	- - 0 0	- - - - 18 18 18	3 3 3 9 18.0 C
Code No. 19IS804 Electives Code No. LANGUAGE E 18HS201 18HSC01 18HSF01	Course PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE VIIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH	PEOs Objective	POs Total	- - 0 0	- - 0 0	- - - - - - - - - - - - - - - - - - -	3 3 3 9 18.0 C
Code No. 19IS804 Electives Code No. LANGUAGE E 18HS201 18HSC01 18HSF01 18HSG01	Course PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE VIIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN	PEOs Objective	POs Total	- - 0 0 1 1	0 0 0	- - - - - - - - - - - - - - - - - - -	3 3 3 9 18.0 C
Code No. 19IS804 Electives Code No. LANGUAGE E 18HS201 18HSC01 18HSG01 18HSG01 18HSH01	Course PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE VIIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE	PEOs Objective	POs Total	- - 0 0 - 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- - - 18 18 P P	3 3 3 9 18.0 C
Code No. 19IS804 Electives Code No. LANGUAGE E 18HS201 18HSC01 18HSF01 18HSG01 18HSG01 18HSH01 18HSJ01 DISCIPLINE E	Course PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE VIIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES	PEOs	POS Total s &Outcomes POS	- - 0 0 L	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- - - 18 18 P P	3 3 3 9 18.0 C
19IS804 Electives Code No. LANGUAGE E 18HS201 18HSC01 18HSF01 18HSG01 18HSH01 18HSJ01 18HSJ01 DISCIPLINE E 19IS001	Course PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES AGILE SOFTWARE DEVELOPMENT	PEOs	POs Total s &Outcomes POs	- - 0 0 - 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- - - 18 18 18 P	3 3 3 9 18.0 C
19IS804 Electives Code No. LANGUAGE E 18HS201 18HSF01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 19IS001 19IS002	Course PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES AGILE SOFTWARE DEVELOPMENT COMPUTATIONAL INTELLIGENCE	PEOs	POs Total s &Outcomes POs	- - 0 0 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 18 18 18 P	3 3 3 9 18.0 C
Code No. 19IS804 Electives Code No. LANGUAGE E 18HS201 18HSF01 18HSG01 18HSH01 18HSJ01 DISCIPLINE E 19IS001 19IS002 19IS003	Course PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES AGILE SOFTWARE DEVELOPMENT COMPUTATIONAL INTELLIGENCE SOCIAL NETWORK ANALYSIS	PEOs	POs Total s &Outcomes POs	- - 0 0 0 L	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 18 18 18 18 P	3 3 3 9 18.0 C
Code No. 19IS804 Electives Code No. LANGUAGE E 18HS201 18HSF01 18HSF01 18HSH01 18HSH01 18HSJ01 DISCIPLINE E 19IS001 19IS002 19IS003 19IS004	Course PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES AGILE SOFTWARE DEVELOPMENT COMPUTATIONAL INTELLIGENCE SOCIAL NETWORK ANALYSIS INFORMATION CODING TECHNIQUES	PEOs	POs Total s &Outcomes POs	- - 0 0 0 L		- 18 18 18 18 P	3 3 3 9 18.0 C
Code No. 19IS804 Electives Code No. LANGUAGE E 18HS201 18HSF01 18HSF01 18HSH01 18HSH01 18HSJ01 DISCIPLINE E 19IS001 19IS002 19IS003 19IS004 19IS005	Course PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES AGILE SOFTWARE DEVELOPMENT COMPUTATIONAL INTELLIGENCE SOCIAL NETWORK ANALYSIS INFORMATION CODING TECHNIQUES DIGITAL MARKETING	PEOs	POs Total s &Outcomes POs	- - 0 0 0 L		- 18 - 18 18 18 - P - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	3 3 3 9 18.0 C 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3
Code No. 19IS804 Electives Code No. LANGUAGE E 18HS201 18HSC01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 19IS002 19IS003 19IS004 19IS005 19IS006	Course PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES AGILE SOFTWARE DEVELOPMENT COMPUTATIONAL INTELLIGENCE SOCIAL NETWORK ANALYSIS INFORMATION CODING TECHNIQUES DIGITAL MARKETING OPEN SOURCE SOFTWARE	PEOs	POs Total s &Outcomes POs	- - 0 0 0 L 1 1 1 1 1 1 1 1		- 18 18 18 18 P 2 2 2 2 2 2 2 2 0 0 0 0 0	3 3 3 9 18.0 C 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3
Code No. 19IS804 Electives Code No. LANGUAGE E 18HS201 18HSC01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 19IS003 19IS004 19IS005 19IS006 19IS007	Course PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES AGILE SOFTWARE DEVELOPMENT COMPUTATIONAL INTELLIGENCE SOCIAL NETWORK ANALYSIS INFORMATION CODING TECHNIQUES DIGITAL MARKETING OPEN SOURCE SOFTWARE COMPUTER VISION	PEOs	POs Total s &Outcomes POs	- - 0 0 0 L 1 1 1 1 1 1 1 1 3 3 3 3 3 3 3		- 18 18 18 18 P 2 2 2 2 2 2 2 2 0 0 0 0 0	3 3 3 9 18.0 C 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3
T9IS804 Electives Code No. LANGUAGE E 18HS201 18HSC01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 19IS001 19IS002 19IS003 19IS004 19IS005 19IS006 19IS007 19IS008	PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES AGILE SOFTWARE DEVELOPMENT COMPUTATIONAL INTELLIGENCE SOCIAL NETWORK ANALYSIS INFORMATION CODING TECHNIQUES DIGITAL MARKETING OPEN SOURCE SOFTWARE COMPUTER VISION NATURAL LANGUAGE PROCESSING	PEOs	POs	0 0 0 L 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 18 18 18 18 P 2 2 2 2 2 2 2 2 2 0 0 0 0 0 0	3 3 3 9 18.0 C 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3
T9IS804 Electives Code No. LANGUAGE E 18HS201 18HSC01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 19IS002 19IS003 19IS004 19IS005 19IS006 19IS007 19IS008 19IS009	PROFESSIONAL ELECTIVE VII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES AGILE SOFTWARE DEVELOPMENT COMPUTATIONAL INTELLIGENCE SOCIAL NETWORK ANALYSIS INFORMATION CODING TECHNIQUES DIGITAL MARKETING OPEN SOURCE SOFTWARE COMPUTER VISION NATURAL LANGUAGE PROCESSING COMPUTER GRAPHICS	PEOs	POs	0 0 0 L 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 18 18 18 18 P 2 2 2 2 2 2 2 2 2 0 0 0 0 0 0 0	3 3 3 9 18.0 C 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3
19IS804 Electives Code No. LANGUAGE E 18HS201 18HSC01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 19IS002 19IS003 19IS004 19IS005 19IS006 19IS007 19IS008 19IS009 19IS009	PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES AGILE SOFTWARE DEVELOPMENT COMPUTATIONAL INTELLIGENCE SOCIAL NETWORK ANALYSIS INFORMATION CODING TECHNIQUES DIGITAL MARKETING OPEN SOURCE SOFTWARE COMPUTER VISION NATURAL LANGUAGE PROCESSING COMPUTER GRAPHICS ROBOTICS PROCESS AUTOMATION	PEOs	POs	0 0 0 0 L 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 18 18 18 18 P 2 2 2 2 2 2 2 2 2 0 0 0 0 0 0 0 0	3 3 3 9 18.0 C 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3
19IS804 Electives Code No. LANGUAGE E 18HS201 18HS201 18HSC01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 19IS002 19IS003 19IS004 19IS005 19IS006 19IS007 19IS008 19IS009 19IS010 19IS010	PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES AGILE SOFTWARE DEVELOPMENT COMPUTATIONAL INTELLIGENCE SOCIAL NETWORK ANALYSIS INFORMATION CODING TECHNIQUES DIGITAL MARKETING OPEN SOURCE SOFTWARE COMPUTER VISION NATURAL LANGUAGE PROCESSING COMPUTER GRAPHICS ROBOTICS PROCESS AUTOMATION STREAMING ANALYTICS	PEOS	POs Total s &Outcomes POs	0 0 0 0 L 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 18 18 18 18 P 2 2 2 2 2 2 2 2 2 2 2 0 0 0 0 0 0 0 0	3 3 3 9 18.0 C 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3
19IS804 Electives Code No. LANGUAGE E 18HS201 18HSC01 18HSF01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 19IS002 19IS003 19IS004 19IS005 19IS006 19IS007 19IS008 19IS009 19IS010 19IS011 19IS011	Course PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES AGILE SOFTWARE DEVELOPMENT COMPUTATIONAL INTELLIGENCE SOCIAL NETWORK ANALYSIS INFORMATION CODING TECHNIQUES DIGITAL MARKETING OPEN SOURCE SOFTWARE COMPUTER VISION NATURAL LANGUAGE PROCESSING COMPUTER GRAPHICS ROBOTICS PROCESS AUTOMATION STREAMING ANALYTICS DATA COMPRESSION	PEOS	POs	0 0 0 L 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 18 - 18 18 18 - P - 2 2 2 2 2 2 2 2 2 2 2 2 2 2 0 0 0 0 0 0	3 3 3 9 18.0 C 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3
19IS804 Electives Code No. LANGUAGE E 18HS201 18HS201 18HSC01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 19IS002 19IS003 19IS004 19IS005 19IS006 19IS007 19IS008 19IS009 19IS010 19IS010	PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES AGILE SOFTWARE DEVELOPMENT COMPUTATIONAL INTELLIGENCE SOCIAL NETWORK ANALYSIS INFORMATION CODING TECHNIQUES DIGITAL MARKETING OPEN SOURCE SOFTWARE COMPUTER VISION NATURAL LANGUAGE PROCESSING COMPUTER GRAPHICS ROBOTICS PROCESS AUTOMATION STREAMING ANALYTICS	PEOS	POs Total s &Outcomes POs	0 0 0 0 L 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 18 18 18 18 P 2 2 2 2 2 2 2 2 2 2 2 0 0 0 0 0 0 0 0	3 3 3 9 18.0 C 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3
T9IS804 Electives Code No. LANGUAGE E 18HS201 18HSC01 18HSG01 18HSH01 18HSJ01 DISCIPLINE E 19IS002 19IS003 19IS004 19IS005 19IS006 19IS007 19IS008 19IS009 19IS010 19IS010	PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE VIII PROFESSIONAL ELECTIVE IX PROJECT WORK II Course ELECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI JAPANESE ELECTIVES AGILE SOFTWARE DEVELOPMENT COMPUTATIONAL INTELLIGENCE SOCIAL NETWORK ANALYSIS INFORMATION CODING TECHNIQUES DIGITAL MARKETING OPEN SOURCE SOFTWARE COMPUTER VISION NATURAL LANGUAGE PROCESSING COMPUTER GRAPHICS ROBOTICS PROCESS AUTOMATION STREAMING ANALYTICS	PEOS	POs Total s &Outcomes POs	0 0 0 0 L 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 18 18 18 18 P 2 2 2 2 2 2 2 2 2 2 2 0 0 0 0 0 0 0 0	

	DEEP LEARNING	Tr ii	a h d a m	3	0	0	3
		1,11	a,b,d,e,m			-	
19IS017	INFORMATION STORAGE AND MANAGEMENT	-	-	3	0	0	3
	WEB PROGRAMMING	1,11	a,c,e,f	3	0	0	3
ONE CREDIT C	COURSES						
18CS0XL	STATISTICAL ANALYSIS USING R	-	-	0	0	0	1
18IT0XC	LARAVEL: A PHP FRAMEWORK	-	-	1	0	0	1
19IS0XC	PROJECT MANAGEMENT TOOLS AND TECHNIQUES	1,11	е	1	0	0	1
19IS0XD	GAME PROGRAMMING	1,11	е	1	0	0	1
19IS0XE	SALESFORCE APP BUILDER FUNDAMENTALS	1,11	e	1	0	0	1
OPEN ELECTIV		1,11	C	'	U	U	<u>'</u>
	-	_					
18GE0C1	CORROSION SCIENCE AND ENGINEERING	<u> </u> -	-	3	0	0	3
	ENERGY STORING DEVICES	-	-	3	0	0	3
18GE0C3	POLYMER SCIENCE	-	-	3	0	0	3
18GE0P1	NANOMATERIALS SCIENCE	-	-	3	0	0	3
18GE0P2	SEMICONDUCTOR PHYSICS AND DEVICES	1-	1-	3	0	0	3
18GE0P3	APPLIED LASER SCIENCE	-	-	3	0	0	3
	BIO-PHOTONICS	1-	-	3	0	0	3
	PHYSICS OF SOFT MATTER	+		3	0	0	3
		-	-	3	U	U	3
	ONE CREDIT COURSE						
18GE0XA	ETYMOLOGY	-	-	1	0	0	1
18GE0XB	GENERAL PSYCHOLOGY	-	-	1	0	0	1
18GE0XC	NEURO BEHAVIORAL SCIENCE	-	-	1	0	0	1
18GE0XD	VISUAL MEDIA AND FILM MAKING	1-	-	1	0	0	1
18GE0XE	YOGA FOR HUMAN EXCELLENCE	1-	-	1	0	0	1
18GE0XF	VEDIC MATHEMATICS	+	-	1	0	0	1
		-					
18GE0XG	HEALTH AND FITNESS	-		1	0	0	1
18GE0XH	CONCEPT, METHODOLOGY AND APPLICATIONS OF	-	-	1	0	0	1
10050\(()	VERMICOMPOSTING					_	
	BLOG WRITING	-	-	1	0	0	1
18GE0XJ	INTERPERSONAL SKILLS	-	-	1	0	0	1
18GE0XK	NEW AGE INNOVATION AND ENTREPRENEURSHIP	-	-	1	0	0	1
18GE0XL	NATIONAL CADET CORPS	-	1-	1	0	0	1
18GE0XM	COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT	1-	-	1	0	0	1
	DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES	 -	1.	1	0	0	1
18GE0XN	DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES	-	-	1	0	0	1
18GE0XN 18GE0XO	SOCIAL PSYCHOLOGY	-	-	1	0	0	1
18GE0XN 18GE0XO ONE CREDIT O	SOCIAL PSYCHOLOGY COURSES	-	- -	1	0	0	1
18GE0XN 18GE0XO ONE CREDIT O 19IS0XA	SOCIAL PSYCHOLOGY COURSES FULL STACK DEVELOPMENT	- - -	- - c,e	1	0	0	1
18GE0XN 18GE0XO ONE CREDIT O	SOCIAL PSYCHOLOGY COURSES	- - I, I,	- - c,e c,e	1	0	0	1
18GE0XN 18GE0XO ONE CREDIT O 19IS0XA	SOCIAL PSYCHOLOGY COURSES FULL STACK DEVELOPMENT GRAPHICAL PROCESSING UNIT PROGRAMMING			1	0	0	1
18GE0XN 18GE0XO ONE CREDIT O 19IS0XA 19IS0XB OPEN ELECTIV	SOCIAL PSYCHOLOGY COURSES FULL STACK DEVELOPMENT GRAPHICAL PROCESSING UNIT PROGRAMMING			1	0	0	1
18GE0XN 18GE0XO ONE CREDIT O 19IS0XA 19IS0XB OPEN ELECTIV	SOCIAL PSYCHOLOGY COURSES FULL STACK DEVELOPMENT GRAPHICAL PROCESSING UNIT PROGRAMMING VES			1 1 1	0 0	0 0	1 1 1
18GE0XN 18GE0XO ONE CREDIT OF THE PROPERTY OF	SOCIAL PSYCHOLOGY COURSES FULL STACK DEVELOPMENT GRAPHICAL PROCESSING UNIT PROGRAMMING VES NON-DESTRUCTIVE TESTING SMART MATERIALS			1 1 1 3 3 3	0 0 0	0 0	1 1 3 3 3
18GE0XN 18GE0XO ONE CREDIT O 19IS0XA 19IS0XB OPEN ELECTIV 18AE0YA	SOCIAL PSYCHOLOGY COURSES FULL STACK DEVELOPMENT GRAPHICAL PROCESSING UNIT PROGRAMMING VES NON-DESTRUCTIVE TESTING SMART MATERIALS FUNDAMENTALS OF AIRCRAFT ENGINEERING			1 1 1 3	0 0	0 0 0	1 1 1 3 3 3 3 3
18GE0XN 18GE0XO ONE CREDIT OF THE PROPERTY OF	SOCIAL PSYCHOLOGY COURSES FULL STACK DEVELOPMENT GRAPHICAL PROCESSING UNIT PROGRAMMING VES NON-DESTRUCTIVE TESTING SMART MATERIALS FUNDAMENTALS OF AIRCRAFT ENGINEERING ENTREPRENEURSHIP DEVELOPMENT AND FOOD QUALITY			1 1 1 3 3 3	0 0 0	0 0 0	1 1 3 3 3
18GE0XN 18GE0XO ONE CREDIT OF THE PROPERTY OF	SOCIAL PSYCHOLOGY COURSES FULL STACK DEVELOPMENT GRAPHICAL PROCESSING UNIT PROGRAMMING VES NON-DESTRUCTIVE TESTING SMART MATERIALS FUNDAMENTALS OF AIRCRAFT ENGINEERING ENTREPRENEURSHIP DEVELOPMENT AND FOOD QUALITY MANAGEMENT FOOD INDUSTRY			1 1 1 3 3 3 3	0 0 0 0 0 0 0	0 0 0 0 0 0 0	1 1 3 3 3 3 3 3
18GE0XN 18GE0XO ONE CREDIT O 19IS0XA 19IS0XB OPEN ELECTIV 18AE0YA 18AE0YB 18AE0YC 18AG0YA	SOCIAL PSYCHOLOGY COURSES FULL STACK DEVELOPMENT GRAPHICAL PROCESSING UNIT PROGRAMMING VES NON-DESTRUCTIVE TESTING SMART MATERIALS FUNDAMENTALS OF AIRCRAFT ENGINEERING ENTREPRENEURSHIP DEVELOPMENT AND FOOD QUALITY MANAGEMENT FOOD INDUSTRY HUMAN ENGINEERING AND SAFETY IN AGRICULTURE			1 1 1 3 3 3 3 3	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	1 1 1 3 3 3 3 3 3 3 3
18GE0XN 18GE0XO ONE CREDIT O 19IS0XA 19IS0XB OPEN ELECTIV 18AE0YA 18AE0YB 18AE0YC 18AG0YA 18AG0YB	SOCIAL PSYCHOLOGY COURSES FULL STACK DEVELOPMENT GRAPHICAL PROCESSING UNIT PROGRAMMING VES NON-DESTRUCTIVE TESTING SMART MATERIALS FUNDAMENTALS OF AIRCRAFT ENGINEERING ENTREPRENEURSHIP DEVELOPMENT AND FOOD QUALITY MANAGEMENT FOOD INDUSTRY HUMAN ENGINEERING AND SAFETY IN AGRICULTURE ENERGY MANGEMENT IN AGRICULTURE			1 1 1 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	1 1 1 3 3 3 3 3 3 3 3 3
18GE0XN 18GE0XO ONE CREDIT O 19IS0XA 19IS0XB OPEN ELECTIV 18AE0YA 18AE0YB 18AE0YC 18AG0YA 18AG0YB 18AG0YC 18AG0YD	SOCIAL PSYCHOLOGY COURSES FULL STACK DEVELOPMENT GRAPHICAL PROCESSING UNIT PROGRAMMING VES NON-DESTRUCTIVE TESTING SMART MATERIALS FUNDAMENTALS OF AIRCRAFT ENGINEERING ENTREPRENEURSHIP DEVELOPMENT AND FOOD QUALITY MANAGEMENT FOOD INDUSTRY HUMAN ENGINEERING AND SAFETY IN AGRICULTURE ENERGY MANGEMENT IN AGRICULTURE FARM MECHANISATION			1 1 1 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0	0 0 0 0 0 0	1 1 3 3 3 3 3 3 3 3 3 3
18GE0XN 18GE0XO ONE CREDIT O 19IS0XA 19IS0XB OPEN ELECTIV 18AE0YA 18AE0YC 18AG0YA 18AG0YA 18AG0YB 18AG0YC 18AG0YD 18AG0YD	SOCIAL PSYCHOLOGY COURSES FULL STACK DEVELOPMENT GRAPHICAL PROCESSING UNIT PROGRAMMING VES NON-DESTRUCTIVE TESTING SMART MATERIALS FUNDAMENTALS OF AIRCRAFT ENGINEERING ENTREPRENEURSHIP DEVELOPMENT AND FOOD QUALITY MANAGEMENT FOOD INDUSTRY HUMAN ENGINEERING AND SAFETY IN AGRICULTURE ENERGY MANGEMENT IN AGRICULTURE FARM MECHANISATION AUTOMOTIVE ENGINEERING			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 0 0	1 1 3 3 3 3 3 3 3 3 3 3 3 3
18GE0XN 18GE0XO ONE CREDIT O 19IS0XA 19IS0XB OPEN ELECTIV 18AE0YA 18AE0YB 18AE0YC 18AG0YA 18AG0YB 18AG0YC 18AG0YD	SOCIAL PSYCHOLOGY COURSES FULL STACK DEVELOPMENT GRAPHICAL PROCESSING UNIT PROGRAMMING VES NON-DESTRUCTIVE TESTING SMART MATERIALS FUNDAMENTALS OF AIRCRAFT ENGINEERING ENTREPRENEURSHIP DEVELOPMENT AND FOOD QUALITY MANAGEMENT FOOD INDUSTRY HUMAN ENGINEERING AND SAFETY IN AGRICULTURE ENERGY MANGEMENT IN AGRICULTURE FARM MECHANISATION			1 1 1 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0	0 0 0 0 0 0	1 1 3 3 3 3 3 3 3 3 3 3
18GE0XN 18GE0XO ONE CREDIT O 19IS0XA 19IS0XB OPEN ELECTIV 18AE0YA 18AE0YB 18AE0YC 18AG0YA 18AG0YB 18AG0YC 18AG0YD 18AG0YD 18AU0YA 18AU0YB	SOCIAL PSYCHOLOGY COURSES FULL STACK DEVELOPMENT GRAPHICAL PROCESSING UNIT PROGRAMMING VES NON-DESTRUCTIVE TESTING SMART MATERIALS FUNDAMENTALS OF AIRCRAFT ENGINEERING ENTREPRENEURSHIP DEVELOPMENT AND FOOD QUALITY MANAGEMENT FOOD INDUSTRY HUMAN ENGINEERING AND SAFETY IN AGRICULTURE ENERGY MANGEMENT IN AGRICULTURE FARM MECHANISATION AUTOMOTIVE ENGINEERING			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 0 0	1 1 3 3 3 3 3 3 3 3 3 3 3 3
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18CS0YE	AGENT BASED INTELLIGENT SYSTEMS	T-	I -	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	-	-	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	1-	 -	3	0	0	3
18EI0YB	SENSOR TECHNOLOGY	1-	 -	3	0	0	3
18EI0YC	FUNDAMENTALS OF VIRTUAL INSTRUMENTATION	 -	 -	3	0	0	3
18EI0YD	OPTOELECTRONICS AND LASER INSTRUMENTATION	1-	 -	3	0	0	3
18FD0YA	TRADITIONAL FOODS	 -	 -	3	0	0	3
18FD0YB	FOOD LAWS AND REGULATIONS	 -	-	3	0	0	3
18FD0YC	POST HARVEST TECHNOLOGY OF FRUITS AND VEGETABLES	 -	1-	3	0	0	3
18FT0YA	FASHION CRAFTS	 -	1-	3	0	0	3
18FT0YB	FASHION ACCESSORIES	 -	1-	3	0	0	3
18FT0YC	FASHION VISUAL MERCHANDISING	 -	1-	3	0	0	3
18FT0YD	INTERIOR DESIGN	 -	1-	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	1-	-	3	0	0	3
18ME0YD	BASICS OF NON-DESTRUCTIVE TESTING	1-	-	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	1-	-	3	0	0	3
18ME0YI	CONCEPTS OF ENGINEERING DESIGN	1-	-	3	0	0	3
18ME0YJ	OIL HYDRAULICS AND PNEUMATICS	1-	-	3	0	0	3
18ME0YK	ENERGY AUDITING AND MANAGEMENT	 -	-	3	0	0	3
18ME0YL	LEAN SIX SIGMA	1-	-	3	0	0	3
18ME0YM	HEATING VENTILATION AND AIRCONDITIONING	1-	-	3	0	0	3
18TTOYA	YARN AND FABRIC MANUFACTURE	 -	-	3	0	0	3
18TTOYB	COLOURATION OF TEXTILES	1-	-	3	0	0	3
18TTOYC	TEXTILES IN ENGINEERING APPLICATION	1-	-	3	0	0	3
18TT0YD	GENERAL TEXTILE TECHNOLOGY	1-	-	3	0	0	3
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