First Semester Code No.	D.L. ACTOMODILE LIVE	INEERING					
	Minimum Credits to be E	_					
Code No.	,						
Code No.		Ob in a time	- 001				
	Course	Objective	s &Outcomes	L	Т	P	l c
		PEOs	POs				
18AU101	ENGINEERING MATHEMATICS I	I	a,b	3	1	0	4
18AU102	ENGINEERING PHYSICS I - STATICS	1,11,111	a,b,i	2	0	2	3
18AU103	ENGINEERING CHEMISTRY I	I,III	a,b,m	2	0	2	3
18AU104	BASICS OF ELECTRICAL ENGINEERING	I,III	a,b,c,m	2	0	2	3
18HS101	COMMUNICATIVE ENGLISH I	11,111	i,j	1	0	2	2
18AU106	COMPUTER PROGRAMMING I	1,11	a,b,e	0	0	4	2
		-,	Total	10	1	12	17.0
Second Semes	ster						
Code No.	Course	Objective	s &Outcomes	L	Ιт	lρ	Ιc
		PEOs	POs				
18AU201	ENGINEERING MATHEMATICS II	l l	a,b	3	1	0	4
18AU202	ENGINEERING PHYSICS II - DYNAMICS	I,III	a,b,m	2	1	0	3
18AU203	ENGINEERING CHEMISTRY II	I,III	a,b,m	2	0	2	3
	ENGINEERING DRAWING	1,111	a,j,m	0	0	4	2
	LANGUAGE ELECTIVE	-	-	-	-	-	2
	MANUFACTURING PROCESSES I	1,111	a,b,c,m	3	0	2	4
10.10=00	COMPUTER PROGRAMMING II	1,11	a,b,e,n	0	0	4	2
16AU207	COMPOTER PROGRAMMING II	1,11			2		
TI: 10 '			Total	10		12	20.0
Third Semester	r						
Code No.	Course	Objective	s &Outcomes	L	I т ∣	l _P	l c
Code No.		PEOs	POs	-	'		١٢
18AU301	ENGINEERING MATHEMATICS III	1 1 203	a,b	3	1	0	4
	ENGINEERING THERMODYNAMICS	<u> </u>			·	·	
		1,111	a,b,c,d,m	3	1	0	4
	FLUID MECHANICS AND MACHINERY	1,111	a,b,c,d,m	3	1	0	4
	AUTOMOTIVE ENGINES	1,111	a,b,m	3	0	0	3
	AUTOMOTIVE CHASSIS	1,11,111	a,b,e,f,m	3	0	0	3
	MANUFACTURING PROCESSES II	1,11,111	a,b,g,i,l,n	3	0	2	4
18AU307	AUTOMOTIVE COMPONENTS LABORATORY	1,11,111	a,c,d,e,l,m	0	0	2	1
18AU308	AUTOMOTIVE COMPONENTS DRAWING LABORATORY	1,11,111	a,c,e,i,m	0	0	2	1
18GE301	SOFT SKILLS - VERBAL ABILITY	-	-	2	0	0	0
		•	Total	20	3	6	24.0
Fourth Semest	ter						**
		Objective	Objectives &Outcomes		Т	Р	
Code No.	Course		•				C
		PEOs					₩
	ENGINEERING MATHEMATICS IV	I	a,b	3	1	0	4
	STRENGTH OF MATERIALS	I,III	a,b,c,m		'	U	
18AU402	AUTOMOTIVE TRANSMISSION	11 111		2	1	2	4
		I,III	a,b,c,d,m	3			3
18AU403	AUTOMOTIVE MECHANICS	1,111	a,b,c,d,m a,b,c,e,m,n		1	2	
18AU403 18AU404	AUTOMOTIVE MECHANICS APPLIED THERMODYNAMICS AND HEAT TRANSFER			3	1	2	3
18AU403 18AU404 18AU405		1,11,111	a,b,c,e,m,n	3	1 0 0	0 2	3
18AU403 18AU404 18AU405 18AU406	APPLIED THERMODYNAMICS AND HEAT TRANSFER		a,b,c,e,m,n a,b,c,d,m	3 2 3	1 0 0	2 0 2 0	3 4 4
18AU403 18AU404 18AU405 18AU406 18AU407	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY	1,11,111 1,111 1,11,111 1,11,111	a,b,c,e,m,n a,b,c,d,m a,b,c,d,g,m a,b,e,g,i,m	3 2 3 3 0	1 0 0 1	2 0 2 0 0	3 4 4 3
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY		a,b,c,e,m,n a,b,c,d,m a,b,c,d,g,m a,b,e,g,i,m a,b,c,d,i,m	3 2 3 3 0	1 0 0 1 0 0	2 0 2 0 0 0 2 2	3 4 4 3 1
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE	1,11,111 1,111 1,11,111 1,11,111	a,b,c,e,m,n a,b,c,d,m a,b,c,d,g,m a,b,e,g,i,m	3 2 3 3 0 0	1 0 0 1 0 0 0	2 0 2 0 0 2 2 2 2	3 4 4 3 1 1 0
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY	1,11,111 1,111 1,11,111 1,11,111	a,b,c,e,m,n a,b,c,d,m a,b,c,d,g,m a,b,e,g,i,m a,b,c,d,i,m a,b	3 2 3 3 0 0 2 2	1 0 0 1 0 0 0 0	2 0 2 0 0 0 2 2 2 0	3 4 4 3 1 1 0
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING	1,11,111 1,111 1,11,111 1,11,111	a,b,c,e,m,n a,b,c,d,m a,b,c,d,g,m a,b,e,g,i,m a,b,c,d,i,m	3 2 3 3 0 0	1 0 0 1 0 0 0	2 0 2 0 0 2 2 2 2	3 4 4 3 1 1 0
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING	, , , , , , , , ,	a,b,c,e,m,n a,b,c,d,m a,b,c,d,g,m a,b,e,g,i,m a,b,c,d,i,m a,b - Total	3 2 3 3 0 0 2 2	1 0 0 1 0 0 0 0	2 0 2 0 0 0 2 2 2 0	3 4 4 3 1 1 0
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING	, , , , , , , , ,	a,b,c,e,m,n a,b,c,d,m a,b,c,d,g,m a,b,e,g,i,m a,b,c,d,i,m a,b	3 2 3 3 0 0 2 2 20	1 0 0 1 0 0 0 0 0	2 0 2 0 0 2 2 2 0 0	3 4 4 3 1 1 0 0 24.0
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING	, , , , , , , , ,	a,b,c,e,m,n a,b,c,d,m a,b,c,d,g,m a,b,e,g,i,m a,b,c,d,i,m a,b - Total	3 2 3 3 0 0 2 2	1 0 0 1 0 0 0 0	2 0 2 0 0 0 2 2 2 0	3 4 4 3 1 1 0
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401 Fifth Semester	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING		a,b,c,e,m,n a,b,c,d,m a,b,e,g,i,m a,b,c,d,i,m a,b - Total	3 2 3 3 0 0 2 2 20	1 0 0 1 0 0 0 0 0	2 0 2 0 0 2 2 2 0 0	3 4 4 3 1 1 0 0 24.0
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401 Fifth Semester	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING Course METROLOGY AND MEASUREMENTS		a,b,c,e,m,n a,b,c,d,m a,b,e,g,i,m a,b,c,d,i,m a,b - Total s & Outcomes POs a,b,c,e,i,m	3 2 3 3 0 0 2 2 20	1 0 0 1 0 0 0 0 0 0 3	2 0 2 0 0 2 2 0 0 0 8	3 4 4 3 1 1 0 0 24.0
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401 Fifth Semester Code No. 18AU501 18AU502	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING Course METROLOGY AND MEASUREMENTS DESIGN OF AUTOMOTIVE ENGINE COMPONENTS		a,b,c,e,m,n a,b,c,d,g,m a,b,e,g,i,m a,b,c,d,i,m a,b - Total ss &Outcomes POs a,b,c,e,i,m a,b,c,e,i,m	3 2 3 3 0 0 2 2 20 L	1 0 0 1 0 0 0 0 0 0 3	2 0 2 0 0 2 2 0 0 0 8	3 4 4 3 1 1 0 0 24.0
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401 Fifth Semester Code No. 18AU501 18AU502	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING Course METROLOGY AND MEASUREMENTS		a,b,c,e,m,n a,b,c,d,g,m a,b,c,d,i,m a,b,c,d,i,m a,b - Total ss &Outcomes POs a,b,c,e,i,m a,b,c,e,i,m a,b,c,e,m	3 2 3 3 0 0 2 2 2 20 L	1 0 0 1 0 0 0 0 0 0 3	2 0 2 0 0 2 2 0 0 0 8	3 4 4 3 1 1 0 0 24.0
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401 Fifth Semester Code No. 18AU501 18AU501 18AU502 18AU503	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING Course METROLOGY AND MEASUREMENTS DESIGN OF AUTOMOTIVE ENGINE COMPONENTS		a,b,c,e,m,n a,b,c,d,g,m a,b,c,d,i,m a,b,c,d,i,m a,b - Total ss &Outcomes POs a,b,c,e,i,m a,b,c,e,i,m a,b,c,e,m a,b,c,e,m a,b,c,e,m a,b,c,d,e,f,g,h,	3 2 3 3 0 0 2 2 20 L	1 0 0 1 0 0 0 0 0 0 3	2 0 2 0 0 2 2 0 0 0 8	3 4 4 3 1 1 0 0 24.0
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401 Fifth Semester Code No. 18AU501 18AU502 18AU503 18AU504	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING Course METROLOGY AND MEASUREMENTS DESIGN OF AUTOMOTIVE ENGINE COMPONENTS AUTOMOTIVE ELECTRONICS AUTOMOTIVE EMISSION AND CONTROL		a,b,c,e,m,n a,b,c,d,g,m a,b,c,d,i,m a,b,c,d,i,m a,b - Total ss &Outcomes POs a,b,c,e,i,m a,b,c,e,i,m a,b,c,e,m	3 2 3 3 0 0 2 2 2 20 L	1 0 0 1 0 0 0 0 0 0 3	2 0 2 0 0 2 2 0 0 0 8	3 4 4 3 1 1 0 0 24.0
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401 Fifth Semester Code No. 18AU501 18AU502 18AU503 18AU504	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING Course METROLOGY AND MEASUREMENTS DESIGN OF AUTOMOTIVE ENGINE COMPONENTS AUTOMOTIVE ELECTRONICS AUTOMOTIVE EMISSION AND CONTROL PROFESSIONAL ELECTIVE I		a,b,c,e,m,n a,b,c,d,g,m a,b,c,d,i,m a,b,c,d,i,m a,b - Total ss &Outcomes POs a,b,c,e,i,m a,b,c,e,i,m a,b,c,e,m a,b,c,e,m a,b,c,e,m a,b,c,d,e,f,g,h,	3 2 3 3 0 0 2 2 2 20 L	1 0 0 1 0 0 0 0 0 0 3	2 0 2 0 0 2 2 0 0 0 8	3 4 4 3 1 1 0 0 24.0 C 4 4 3 4 3
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401 Fifth Semester Code No. 18AU501 18AU502 18AU503 18AU504	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING Course METROLOGY AND MEASUREMENTS DESIGN OF AUTOMOTIVE ENGINE COMPONENTS AUTOMOTIVE ELECTRONICS AUTOMOTIVE EMISSION AND CONTROL PROFESSIONAL ELECTIVE I PROFESSIONAL ELECTIVE II		a,b,c,e,m,n a,b,c,d,g,m a,b,e,g,i,m a,b,c,d,i,m a,b Total **S & Outcomes **POs a,b,c,e,i,m a,b,c,h,k,m a,b,c,e,m a,b,c,d,e,f,g,h,i,m	3 2 3 3 0 0 2 2 20 L 3 3 3 3 3	1 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0	2 0 2 0 0 2 2 0 0 8 8	3 4 4 3 1 1 0 0 24.0 C 4 4 3 4 3 3
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401 Fifth Semester Code No. 18AU501 18AU502 18AU503 18AU504	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING Course METROLOGY AND MEASUREMENTS DESIGN OF AUTOMOTIVE ENGINE COMPONENTS AUTOMOTIVE ELECTRONICS AUTOMOTIVE EMISSION AND CONTROL PROFESSIONAL ELECTIVE I PROFESSIONAL ELECTRONICS LABORATORY		a,b,c,e,m,n a,b,c,d,m a,b,c,d,i,m a,b,c,d,i,m a,b - Total s & Outcomes POs a,b,c,e,i,m a,b,c,e,i,m a,b,c,e,m a,b,c,e,m a,b,c,e,m a,b,c,d,e,f,g,h,i,m a,b,e,g,i,m,n	3 2 3 3 0 0 2 2 20 L 3 3 3 3 0	1 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0	2 0 0 2 0 0 2 2 0 0 8 8	3 4 4 3 1 1 0 0 24.0 C 4 4 3 4 3 1
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401 Fifth Semester Code No. 18AU501 18AU502 18AU503 18AU504	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING Course METROLOGY AND MEASUREMENTS DESIGN OF AUTOMOTIVE ENGINE COMPONENTS AUTOMOTIVE ELECTRONICS AUTOMOTIVE EMISSION AND CONTROL PROFESSIONAL ELECTIVE II AUTOMOTIVE ELECTRONICS LABORATORY AUTOMOTIVE COMPONENTS MODELING LABORATORY		a,b,c,e,m,n a,b,c,d,g,m a,b,e,g,i,m a,b,c,d,i,m a,b Total **S & Outcomes **POs a,b,c,e,i,m a,b,c,h,k,m a,b,c,e,m a,b,c,d,e,f,g,h,i,m	3 2 3 3 0 0 2 2 20 L 3 3 3 3 	1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 0 2 0 0 2 2 0 0 8 8 P 2 0 0 2 0 2 0 2 0 0 2 0 0 0 0 0 0 0 0	3 4 4 3 1 1 0 0 24.0 C 4 4 3 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401 Fifth Semester Code No. 18AU501 18AU502 18AU503 18AU504	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING Course METROLOGY AND MEASUREMENTS DESIGN OF AUTOMOTIVE ENGINE COMPONENTS AUTOMOTIVE ELECTRONICS AUTOMOTIVE EMISSION AND CONTROL PROFESSIONAL ELECTIVE I PROFESSIONAL ELECTRONICS LABORATORY		a,b,c,e,m,n a,b,c,d,m a,b,c,d,i,m a,b,c,d,i,m a,b,c,d,i,m a,b - Total s &Outcomes POs a,b,c,e,i,m a,b,c,e,m a,b,c,e,m a,b,c,d,e,f,g,h,i,m a,b,e,g,i,m,n a,b,c,e,i,l,m,n a,b,e,g,i,m,n a,b,e,g,i,m,n	3 2 3 3 0 0 2 2 2 20 L 3 3 3 3 	1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 0 2 0 0 2 2 0 0 0 8 8	3 4 4 3 1 0 0 24.0 C 4 4 3 4 3 1 1 0 0 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 0 1 0 1 0 1 1 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0
18AU403 18AU404 18AU405 18AU406 18AU407 18AU408 18HS001 18GE401 Fifth Semester Code No. 18AU501 18AU502 18AU503 18AU504	APPLIED THERMODYNAMICS AND HEAT TRANSFER AUTOMOTIVE ELECTRICAL SYSTEM AUTOMOTIVE ELECTRICAL LABORATORY THERMO FLUIDS ENGINEERING LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING Course METROLOGY AND MEASUREMENTS DESIGN OF AUTOMOTIVE ENGINE COMPONENTS AUTOMOTIVE ELECTRONICS AUTOMOTIVE EMISSION AND CONTROL PROFESSIONAL ELECTIVE I PROFESSIONAL ELECTIVE II AUTOMOTIVE ELECTRONICS LABORATORY AUTOMOTIVE COMPONENTS MODELING LABORATORY SOFT SKILLS - APTITUDE I		a,b,c,e,m,n a,b,c,d,m a,b,c,d,i,m a,b,c,d,i,m a,b - Total s & Outcomes POs a,b,c,e,i,m a,b,c,e,i,m a,b,c,e,m a,b,c,e,m a,b,c,e,m a,b,c,d,e,f,g,h,i,m a,b,e,g,i,m,n	3 2 3 3 0 0 2 2 20 L 3 3 3 3 	1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 0 2 0 0 2 2 0 0 8 8 P 2 0 0 2 0 2 0 2 0 0 2 0 0 0 0 0 0 0 0	3 4 4 3 1 1 0 0 24.0 C 4 4 3 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

PROFESSIONAL ETHICS IN ENGINEERING	Code No.	Course	Course Objectives &Outcomes		L	т	Р	С
MARCHES PINTE ELEMENT ANALYSIS III	00001101	Council	PEOs	POs	_		l '	
IBAUJUAD PESIGN OF ALTOMOTIVE CHASSIS COMPONENTS III	18HS002	PROFESSIONAL ETHICS IN ENGINEERING	-	-	2	0	0	2
IBABLIDAY PERICLE BOYNENSINEERING II.III B.D.G. 3 0 0 2 1	18AU602	FINITE ELEMENT ANALYSIS	1,111	a,b,c,m	3	1	0	4
BABLURG VEHICLE BOLY ENGNEERING II.III a.b.d.m 0 0 0 2 1	18AU603	DESIGN OF AUTOMOTIVE CHASSIS COMPONENTS	1.111	a.b.c.h.k.m	3	1	0	4
IBABLIED VEHICLE MAINTENNAICE LABORATORY	18AU604	VEHICLE BODY ENGINEERING			3	0	0	3
ISAUGOS COMPUTER ADED ANALYSIS LABORATORY II.III I.b.c.o.m 0 0 2 2 1					-	-	_	-
186E6601 SOFT SKILLS-APTTUDE					-	_		
PROFESSIONAL ELECTIVE			1,11,111	a,b,c,e,iii	-			
PROFESSIONAL ELECTIVE IV	18GE601			-		0		-
Severth Semester			-	-	-	-	-	
Code No. Course PEOs POs L T P C		PROFESSIONAL ELECTIVE IV	-	-			-	
Code No. Course				Total	11	2	6	21.0
The color	Seventh Seme	ester						
The color			Ohiectives	&Outcomes				
1814/000 PRINCIPIES OF MANAGEMENT	Code No.	Course			L	Т	P	С
TRAUDYQ2 VEHICLE DYNAMICS III			PEOs	POs				
18AU703 NTELLIGENT VEHICLE SYSTEMS I,II c.e.g.n. 3 0 2 4 18AU703 TRANSPORT MANAGEMENT II,IIII I,g.h.k.m 3 0 0 3 3 0 0 3 3 0 0	18HS003	PRINCIPLES OF MANAGEMENT	-	-	2	0	0	2
18AU704	18AU702	VEHICLE DYNAMICS	1,111	a,b,c,m	3	1	0	4
PROFESSIONAL ELECTIVE V	18AU703	INTELLIGENT VEHICLE SYSTEMS	1,11	c,e,g,n	3	0	2	4
PROFESSIONAL ELECTIVE V	18AU704	TRANSPORT MANAGEMENT	1,11,111	f,g,h,k,m	3	0	0	3
PROFESSIONAL ELECTIVE VI			 -	1-	-	-	-	3
18AU707 VEHICLE DYNAMICS LABORATORY			-	1-		-	-	
18AU708	18411707		1 11 111	ahcem	0	0	2	
Total 11	10/10/10/	VELTIOLE DITANSIOS ENDONATONI	1,11,111		U	U	<u> </u>	<u> </u>
Total 11	18AU708	PROJECT WORK I	1,11,111		0	0	6	3
Eight Semester		<u> </u>			11	1	10	22.0
Code No. Course	Fink (0			Total	11	ı	10	23.0
REOBEN PROJECT WORK	Eight Semeste							
18AU804 PROJECT WORK	On de Ne	0	Objectives	&Outcomes		_	١.,	
18AU804 PROJECT WORK	Code No.	Course	DEOs	DO:	L	'	"	ا
PROJECT WORN			PEUS					
PROFESSIONAL ELECTIVE VII	18AU804	PROJECT WORK II	1,11,111		0	0	18	9
PROFESSIONAL ELECTIVE IX		DDOFFCCIONAL FLECTIVE VIII		1,J,K,1				
PROFESSIONAL ELECTIVE IX				-	-	-		
Total 0 0 18 18.0			-	-	-	-	-	
Code No. Course		IDDOEESSIONIAL ELECTIVE IS						
Code No. Course		FROI ESSIONAL ELECTIVE IX	-	<u> </u>	-	-	-	-
Code No. Course PEOs POS C T P C C		I NOI ESSIGNAL LELGTIVE IX	-	- Total	0	0	- 18	-
DISCIPLINE ELECTIVES 18AU033 AUTOMOTIVE STYLING I.II.III a.b.c,e,m 3 0 0 3 3 18AU034 AUTOMOTIVE EMBEDDED SYSTEMS I.II.III a.b.c,e,m, 3 0 0 3 3 18AU034 AUTOMOTIVE EMBEDDED SYSTEMS I.II.III a.c.d,e,m,n 3 0 0 3 3 18AU035 CLECTRO MAGNETIC I.II.III a.c.d,e,m,n 3 0 0 3 3 18AU035 CLECTRO MAGNETIC I.II.III a.c.d,e,m,n 3 0 0 3 3 18AU036 ELECTRIC MOTORS AND DRIVE SYSTEMS -	Electives	THO ESSIGNAL ELECTIVE IX	<u> </u> -	- Total	0	0	18	-
DISCIPLINE ELECTIVES			- Objectives					18.0
18AU033				&Outcomes				18.0
18AU034	Code No.	Course		&Outcomes				18.0
18AU035 ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY	Code No.	Course	PEOs	&Outcomes POs	L	Т	Р	18.0 C
18AU035 COMPATIBILITY	Code No. DISCIPLINE E 18AU033	Course LECTIVES AUTOMOTIVE STYLING	PEOs	AOutcomes POs a,b,c,e,m	L 3	T	P	18.0 C
18AU036 ELECTRIC MOTORS AND DRIVE SYSTEMS - - 3 0 0 3 3 3 3 3 3 3	Code No. DISCIPLINE E 18AU033	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS	PEOs	AOutcomes POs a,b,c,e,m	L 3	T	P	18.0 C
18AU037 LEAN MANUFACTURING	Code No. DISCIPLINE E 18AU033 18AU034	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC	PEOs	POs a,b,c,e,m a,b,c,m,n	L 3 3	T 0 0	P 0 0	18.0 C
Note Credit Courses	Code No. DISCIPLINE E 18AU033 18AU034 18AU035	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY	PEOs	POs a,b,c,e,m a,b,c,m,n	L 3 3 3 3	T 0 0 0	P 0 0 0	18.0 C
18AU0XG	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS	PEOs	POs a,b,c,e,m a,b,c,m,n	3 3 3 3	T 0 0 0 0 0 0	P 0 0 0 0 0 0 0	18.0 C 3 3 3 3
18AU0XH CONNECTED VECHILES	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING	PEOs	POs a,b,c,e,m a,b,c,m,n	3 3 3 3	T 0 0 0 0 0 0	P 0 0 0 0 0 0 0	18.0 C 3 3 3 3
OPEN ELECTIVES 18AU0YE TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES I,II,IIII a,b,m,n 3 0 0 3 18GE0P4 BIO-PHOTONICS - - - 3 0 0 3 18GE0P5 PHYSICS OF SOFT MATTER - - - 3 0 0 3 ADDITIONAL ONE CREDIT COURSE ***********************************	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING	PEOs	POs a,b,c,e,m a,b,c,m,n	3 3 3 3	T 0 0 0 0 0 0	P 0 0 0 0 0 0 0	18.0 C 3 3 3 3
18AU0YE TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES I,II,III a,b,m,n 3 0 0 3 3 18GE0P4 BIO-PHOTONICS 3 0 0 3 3 3 3 0 0 3 3	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES	PEOs	POs a,b,c,e,m a,b,c,m,n	L 3 3 3 3 3 3 3	T 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0	3 3 3 3 3
18AU0YE TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES I,II,III a,b,m,n 3 0 0 3 3 18GE0P4 BIO-PHOTONICS 3 0 0 3 3 3 3 0 0 3 3	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN	PEOs	POs a,b,c,e,m a,b,c,m,n	L 3 3 3 3 3 3 0	T 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0	18.0 C 3 3 3 3 3
18GE0P4 BIO-PHOTONICS - - 3 0 0 3 3 18GE0P5 PHYSICS OF SOFT MATTER - - 3 0 0 3 3 3 4 0 0 3 3 4 4 4 4 4 4 4 4	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES	PEOs	POs a,b,c,e,m a,b,c,m,n	L 3 3 3 3 3 3 0	T 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0	18.0 C 3 3 3 3 3
18GE0P5 PHYSICS OF SOFT MATTER	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES	PEOs , , , , , , - - -	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n -	3 3 3 3 3	T 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3
ADDITIONAL ONE CREDIT COURSE 18GE0XJ INTERPERSONAL SKILLS 1 0 0 0 1 18GE0XK NEW AGE INNOVATION AND ENTREPRENEURSHIP 1 0 0 0 1 18GE0XL NATIONAL CADET CORPS III,III g,i 1 0 0 1 18GE0XM COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT 1 0 0 1 18GE0XN DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES 1 0 0 0 1 18GE0XO SOCIAL PSYCHOLOGY II,III i 1 0 0 1 1ANGUAGE ELECTIVES 18HS201 COMMUNICATIVE ENGLISH II II,III i,j 1 0 2 2 2 18HSC01 CHINESE 1 1 0 2 2 2 18HSF01 FRENCH III j 1 0 2 2 2 18HSG01 GERMAN 1 1 0 2 2 2 18HSHS01 GERMAN 1 1 0 2 2 2 18HSHS01 HINDI 1 1 0 2 2 2 18HSHS01 JAPANESE 1 1 0 2 2 2	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU037 ONE CREDIT (18AU0XG) 18AU0XH OPEN ELECTI 18AU0YE	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES	PEOs , , , , , , - - -	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n -	L 3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 1 1
18GE0XJ INTERPERSONAL SKILLS	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XH OPEN ELECTI 18AU0YE 18GE0P4	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS	PEOs , , , , , , - - -	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n -	L 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 1 1 1
18GEOXK NEW AGE INNOVATION AND ENTREPRENEURSHIP - - 1 0 0 1 18GEOXL NATIONAL CADET CORPS II,III g,i 1 0 0 1 18GEOXM COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT - - 1 0 0 1 18GEOXN DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES - - 1 0 0 1 18GE0XO SOCIAL PSYCHOLOGY II,III i 1 0 0 1 LANGUAGE ELECTIVES 18HS201 COMMUNICATIVE ENGLISH II II,III i,j 1 0 2 2 18HSC01 CHINESE - - 1 0 2 2 18HSG01 FRENCH III j 1 0 2 2 18HSH01 HINDI - - 1 0 2 2 18HSJ01 JAPANESE - - 1 0 2 2	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18AU0YE 18GE0P4 18GE0P5	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER	PEOs , , , , , , - - -	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n -	L 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 1 1 1
18GE0XL NATIONAL CADET CORPS	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18AU0YE 18GE0P4 18GE0P5 ADDITIONAL (Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER ONE CREDIT COURSE	PEOs , , , , , , - - -	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n -	3 3 3 3 3 3 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 1 1 1
18GEOXM COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT - - 1 0 0 1 18GEOXN DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES - - - 1 0 0 1 18GEOXO SOCIAL PSYCHOLOGY III,III i 1 0 0 1 LANGUAGE ELECTIVES 18HS201 COMMUNICATIVE ENGLISH II II,III i,j 1 0 2 2 18HSC01 CHINESE - - - 1 0 2 2 18HSG01 FRENCH III j 1 0 2 2 18HSG01 GERMAN - - 1 0 2 2 18HSH01 HINDI - - 1 0 2 2 18HSJ01 JAPANESE - - 1 0 2 2	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XH OPEN ELECTI 18AU0YE 18GE0P4 18GE0P5 ADDITIONAL (18GE0XJ	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER ONE CREDIT COURSE INTERPERSONAL SKILLS	PEOs , , , , , , - - -	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n -	L 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 1 1 1
18GEOXN DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES - - 1 0 0 1 18GEOXO SOCIAL PSYCHOLOGY II,III i 1 0 0 1 LANGUAGE ELECTIVES 18HS201 COMMUNICATIVE ENGLISH II II,III i,j 1 0 2 2 18HSC01 CHINESE - - 1 0 2 2 18HSF01 FRENCH IIII j 1 0 2 2 18HSG01 GERMAN - - 1 0 2 2 18HSH01 HINDI - - 1 0 2 2 18HSJ01 JAPANESE - - 1 0 2 2	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18AU0YE 18GE0P4 18GE0P5 ADDITIONAL (18GE0XJ 18GE0XK	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER ONE CREDIT COURSE INTERPERSONAL SKILLS NEW AGE INNOVATION AND ENTREPRENEURSHIP	PEOs	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n -	3 3 3 3 3 3 3 3 3 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 1 1 1 1
18GE0XO SOCIAL PSYCHOLOGY II,III i 1 0 0 1 LANGUAGE ELECTIVES 18HS201 COMMUNICATIVE ENGLISH II II,III i,j 1 0 2 2 18HSC01 CHINESE - - 1 0 2 2 18HSF01 FRENCH IIII j 1 0 2 2 18HSG01 GERMAN - - 1 0 2 2 18HSH01 HINDI - - 1 0 2 2 18HSJ01 JAPANESE - - 1 0 2 2	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18AU0YE 18GE0P4 18GE0P5 ADDITIONAL (18GE0XJ 18GE0XK	Course AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER ONE CREDIT COURSE INTERPERSONAL SKILLS NEW AGE INNOVATION AND ENTREPRENEURSHIP NATIONAL CADET CORPS	PEOs	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n	3 3 3 3 3 3 3 3 3 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 1 1 1 1
LANGUAGE ELECTIVES 18HS201 COMMUNICATIVE ENGLISH II II,III i,j 1 0 2 2 18HSC01 CHINESE - - 1 0 2 2 18HSF01 FRENCH III j 1 0 2 2 18HSG01 GERMAN - - 1 0 2 2 18HSH01 HINDI - - 1 0 2 2 18HSJ01 JAPANESE - - 1 0 2 2	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18GE0P4 18GE0P5 ADDITIONAL (18GE0XJ 18GE0XK 18GE0XL	Course AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER ONE CREDIT COURSE INTERPERSONAL SKILLS NEW AGE INNOVATION AND ENTREPRENEURSHIP NATIONAL CADET CORPS	PEOs	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n	3 3 3 3 3 0 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 1 1 1 1
18HS201 COMMUNICATIVE ENGLISH II II,III i,j 1 0 2 2 18HSC01 CHINESE - - - 1 0 2 2 18HSF01 FRENCH III j 1 0 2 2 18HSG01 GERMAN - - 1 0 2 2 18HSH01 HINDI - - 1 0 2 2 18HSJ01 JAPANESE - - 1 0 2 2	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18GE0P4 18GE0P5 ADDITIONAL (18GE0XJ 18GE0XK 18GE0XL 18GE0XM	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER ONE CREDIT COURSE INTERPERSONAL SKILLS NEW AGE INNOVATION AND ENTREPRENEURSHIP NATIONAL CADET CORPS COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT	PEOs	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n	L 3 3 3 3 3 3 3 3 1 1 1 1 1 1 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18.0 C 3 3 3 3 3 1 1 1 1 1 1 1
18HS201 COMMUNICATIVE ENGLISH II II,III i,j 1 0 2 2 18HSC01 CHINESE - - - 1 0 2 2 18HSF01 FRENCH III j 1 0 2 2 18HSG01 GERMAN - - 1 0 2 2 18HSH01 HINDI - - 1 0 2 2 18HSJ01 JAPANESE - - 1 0 2 2	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18AU0YE 18GE0P4 18GE0P5 ADDITIONAL (18GE0XK 18GE0XK 18GE0XM 18GE0XN	Course AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER ONE CREDIT COURSE INTERPERSONAL SKILLS NEW AGE INNOVATION AND ENTREPRENEURSHIP NATIONAL CADET CORPS COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES	I,II,III	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n	L 3 3 3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18.0 C 3 3 3 3 3 3 1 1 1 1 1 1 1 1
18HSC01 CHINESE - - 1 0 2 2 18HSF01 FRENCH III j 1 0 2 2 18HSG01 GERMAN - - 1 0 2 2 18HSH01 HINDI - - 1 0 2 2 18HSJ01 JAPANESE - - 1 0 2 2	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18AU0YE 18GE0P4 18GE0P5 ADDITIONAL (18GE0XJ 18GE0XL 18GE0XM 18GE0XN 18GE0XN	Course AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER ONE CREDIT COURSE INTERPERSONAL SKILLS NEW AGE INNOVATION AND ENTREPRENEURSHIP NATIONAL CADET CORPS COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES SOCIAL PSYCHOLOGY	I,II,III	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n	L 3 3 3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18.0 C 3 3 3 3 3 3 1 1 1 1 1 1 1 1
18HSF01 FRENCH III j 1 0 2 2 18HSG01 GERMAN - - 1 0 2 2 18HSH01 HINDI - - 1 0 2 2 18HSJ01 JAPANESE - - 1 0 2 2	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18AU0YE 18GE0P4 18GE0P5 ADDITIONAL (18GE0XL 18GE0XM 18GE0XM 18GE0XN 18GE0XO LANGUAGE E	Course AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER ONE CREDIT COURSE INTERPERSONAL SKILLS NEW AGE INNOVATION AND ENTREPRENEURSHIP NATIONAL CADET CORPS COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES SOCIAL PSYCHOLOGY LECTIVES	I,II,III	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n g,i i	L 3 3 3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18.0 C 3 3 3 3 3 1 1 1 1 1 1 1 1 1
18HSG01 GERMAN - - 1 0 2 2 18HSH01 HINDI - - 1 0 2 2 18HSJ01 JAPANESE - - 1 0 2 2	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18AU0YE 18GE0P4 18GE0P5 ADDITIONAL (18GE0XJ 18GE0XK 18GE0XK 18GE0XM 18GE0XN 18GE0XO LANGUAGE E 18HS201	Course LECTIVES AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER ONE CREDIT COURSE INTERPERSONAL SKILLS NEW AGE INNOVATION AND ENTREPRENEURSHIP NATIONAL CADET CORPS COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES SOCIAL PSYCHOLOGY LECTIVES COMMUNICATIVE ENGLISH II	I,II,III	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n g,i i	L 3 3 3 3 3 1 1 1 1 1 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2	18.0 C 3 3 3 3 3 1 1 1 1 1 1 1 1 1 2
18HSH01 HINDI - - 1 0 2 2 18HSJ01 JAPANESE - - 1 0 2 2	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18AU0YE 18GE0P4 18GE0P5 ADDITIONAL (18GE0XK 18GE0XK 18GE0XK 18GE0XK 18GE0XN 18GE0XN 18GE0XN 18GE0XO LANGUAGE E 18HS201 18HSC01	Course AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER ONE CREDIT COURSE INTERPERSONAL SKILLS NEW AGE INNOVATION AND ENTREPRENEURSHIP NATIONAL CADET CORPS COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES SOCIAL PSYCHOLOGY LECTIVES COMMUNICATIVE ENGLISH II CHINESE	I,II,III	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n g,i i	L 3 3 3 3 3 3 1 1 1 1 1 1 1 1 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18.0 C 3 3 3 3 3 1 1 1 1 1 1 1 1 2 2 2
18HSJ01 JAPANESE 1 0 2 2	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18AU0YE 18GE0P4 18GE0P5 ADDITIONAL (18GE0XK 18GE0XK 18GE0XK 18GE0XK 18GE0XK 18GE0XK 18GE0XK 18GE0XC 18HSE0XC 18HSE01 18HSE01 18HSC01 18HSF01	Course AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER ONE CREDIT COURSE INTERPERSONAL SKILLS NEW AGE INNOVATION AND ENTREPRENEURSHIP NATIONAL CADET CORPS COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES SOCIAL PSYCHOLOGY LECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH	I,II,III	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n g,i i	L 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18.0 C 3 3 3 3 3 1 1 1 1 1 1 1 1 2 2 2 2
	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18AU0YE 18GE0P4 18GE0P5 ADDITIONAL (18GE0XK 18GE0XK 18GE0XK 18GE0XK 18GE0XK 18GE0XK 18GE0XC 18HSE01 18HSC01 18HSC01 18HSC01 18HSC01	Course AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER DNE CREDIT COURSE INTERPERSONAL SKILLS NEW AGE INNOVATION AND ENTREPRENEURSHIP NATIONAL CADET CORPS COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES SOCIAL PSYCHOLOGY LECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN	I,II,III	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n g,i i	3 3 3 3 3 3 3 3 3 1 1 1 1 1 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18.0 C 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 2 2 2 2
DISCIPLINE ELECTIVES	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18AU0YE 18GE0P4 18GE0P5 ADDITIONAL (18GE0XK 18GE0XK 18GE0XK 18GE0XK 18GE0XK 18GE0XK 18GE0XC 18HSE01 18HSC01 18HSC01 18HSC01 18HSC01 18HSC01 18HSC01 18HSC01	Course AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER DNE CREDIT COURSE INTERPERSONAL SKILLS NEW AGE INNOVATION AND ENTREPRENEURSHIP NATIONAL CADET CORPS COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES SOCIAL PSYCHOLOGY LECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI	I,II,III	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n g,i i	3 3 3 3 3 3 3 3 1 1 1 1 1 1 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 2 2 2 2	18.0 C 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2
	Code No. DISCIPLINE E 18AU033 18AU034 18AU035 18AU036 18AU037 ONE CREDIT (18AU0XG 18AU0XH OPEN ELECTI 18AU0YE 18GE0P4 18GE0P5 ADDITIONAL (18GE0XK 18GE0XK 18GE0XK 18GE0XK 18GE0XK 18GE0XK 18GE0XC 18HSE01 18HSC01 18HSC01 18HSC01 18HSC01 18HSC01 18HSC01 18HSC01	Course AUTOMOTIVE STYLING AUTOMOTIVE EMBEDDED SYSTEMS ELECTRO MAGNETIC INTERFACE AND ELECTRO MAGNETIC COMPATIBILITY ELECTRIC MOTORS AND DRIVE SYSTEMS LEAN MANUFACTURING COURSES AUTOMOTIVE INTERIOR COMPONENTS DESIGN CONNECTED VECHILES VES TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES BIO-PHOTONICS PHYSICS OF SOFT MATTER DNE CREDIT COURSE INTERPERSONAL SKILLS NEW AGE INNOVATION AND ENTREPRENEURSHIP NATIONAL CADET CORPS COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES SOCIAL PSYCHOLOGY LECTIVES COMMUNICATIVE ENGLISH II CHINESE FRENCH GERMAN HINDI	I,II,III	a,b,c,e,m a,b,c,m,n a,c,d,g,m,n g,i i	3 3 3 3 3 3 3 3 1 1 1 1 1 1 1	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 2 2 2 2	18.0 C 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2

18AU001	AUTOMOTIVE PRODUCT DESIGN AND DEVELOPMENT	1,111	a,b,m	3	0	0	3
18AU002	DESIGN FOR MANUFACTURE AND ASSEMBLY	1,11,111	a,b,c,e,g,l,m	3	0	0	3
18AU003	DESIGN THINKING	-	-	3	0	0	3
18AU004	COMPUTATIONAL FLUID DYNAMICS	1,11,111	a,b,c,d,e,m,n	3	0	0	3
18AU005	COMBUSTION THERMODYNAMICS AND HEAT TRANSFER	1,111	a,b,c,d,m	3	0	0	3
18AU006	SUPERCHARGING AND SCAVENGING	1,11,111	a,b,c,d,m	3	0	0	3
		1,11,111	a,b,c,d,g,iii		-		-
18AU007	FUELS AND COMBUSTION	-	-	3	0	0	3
18AU008	ALTERNATE FUELS AND ENERGY SYSTEMS	1,11,111	a,b,c,g,m	3	0	0	3
18AU009	AUTOMOTIVE AIR-CONDITIONING	1,11,111	a,c,d,e,g,m	3	0	0	3
18AU010	COMPOSITE MATERIALS	1,11,111	a,b,l,n	3	0	0	3
18AU011	ENGINEERING TRIBOLOGY	1,111	a,b,c,d,m	3	0	0	3
18AU012	NON-TRADITIONAL MACHINING PROCESSES	1,11,111	a,b,e,m	3	0	0	3
18AU013	ADDITIVE MANUFACTURING	1,11	a,b,c,e,n	3	0	0	3
18AU014	NOISE, VIBRATION AND HARSHNESS CONTROL	1,11	a,b,f,g,n	3	0	0	3
18AU015	IOT IN AUTOMOBILES	1,11,111	a,b,c,e,m,n	3	0	0	3
18AU016	AUTOMOTIVE AERODYNAMICS	1,11,111	a,b,c,d,m,n	3	0	0	3
18AU017	AUTOMOTIVE SAFETY AND ERGONOMICS	1,11,111	a,b,d,e,f,m	3	0	0	3
18AU018	TWO AND THREE WHEELERS	1,11,111	a,b,c,e,m	3	0	0	3
18AU019	OFF-ROAD VEHICLES	1,111	a,b,c,m	3	0	0	3
18AU020	ELECTRIC AND HYBRID VEHICLES	1,111	a,b,c,m	3	0	0	3
18AU020	SMART MOBILITY			3	0	0	3
		1,11,111	a,b,c,e,m,n	_	·	,	
18AU022	MOTORSPORT TECHNOLOGY	1,11,111	a,b,c,e,m,n	3	0	0	3
18AU023	ADVANCED VEHICLE TECHNOLOGY	1,11,111	a,c,d,e,f,m,n	3	0	0	3
18AU024	TYRE TECHNOLOGY	1,11,111	a,b,c,d,e,f,g,m	3	0	0	3
		-,,	,n		·		
18AU025	INDUSTRY 4.0	-	-	3	0	0	3
18AU026	VEHICLE SYSTEM EVALUATION AND CERTIFICATION	1,111	a,b,c,d,m	3	0	0	3
18AU027	HYDRAULICS AND PNEUMATICS	-	-	3	0	0	3
18AU028	INDUSTRIAL ENGINEERING	1,11,111	a,b,c,e,m	3	0	0	3
40411000	ODTIMIZATION TEOLINIOUEO		a,b,c,d,e,f,g,j,l	_		_	
18AU029	OPTIMIZATION TECHNIQUES	1,11,111	,m	3	0	0	3
10111020	TOTAL QUALITY MANAGEMENT	1,11,111	a,b,c,e,f,g,h,k,	3	0	0	3
18AU030	TOTAL QUALITY MANAGEMENT	1,11,111	m	3	0	U	3
18AU031	VEHICLE MAINTENANCE	1,111	a,b,c,m	3	0	0	3
18AU032	ENGINEERING ECONOMICS AND COST ANALYSIS	11,111	f,g,h,k,l	3	0	0	3
ONE CREDIT	COURSES						
40411074	PLASTICS-DESIGN, PROCESSING, TOOLING, ASSEMBLY AND		161	4	_	_	
18AU0XA	TESTING	1,11,111	d,f,l,m	1	0	0	1
18AU0XB	VEHICLE TESTING AND CERTIFICATION	1,11,111	a,b,c,d,e,l,m,n	1	0	0	1
18AU0XC	AUTOMOBILE EMBEDDED SYSTEM	1,11,111	a,b,c,e,l,m,n	1	0	0	1
18AU0XD	GASOLINE INJECTION SYSTEMS	1,11,111	a,c,d,e,l,n	1	0	0	1
18AU0XE	ADVANCED MOTOR SPORTS ENGINEERING	1,11,111	a,b,c,d,l,m	1	0	0	1
18AU0XF	AUTOMOTIVE PRODUCT DEVELOPMENT	1,11,111	4,5,0,4,1,111	1	0	0	1
OPEN ELECTI		-	-		U	U	'
		1	<u> </u>	-			
18AU0YA	AUTOMOTIVE ENGINEERING	1,111	a,b,c,m	3	0	0	3
18AU0YB	VEHICLE CONTROL SYSTEMS	1,11,111	b,c,e,m		0	0	3
18AU0YC	PUBLIC TRANSPORT MANAGEMENT			3	-		_
		1,11	a,b,f,g,n	3	0	0	3
18AU0YD	TECHNOLOGIES FOR GREEN MOBILITY	1,11 1,11		-	-		3
18AU0YD 18GE0C1			a,b,f,g,n	3	0	0	-
	TECHNOLOGIES FOR GREEN MOBILITY	I,II	a,b,f,g,n a,b,f,g,n	3	0	0	3
18GE0C1	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING	I,II	a,b,f,g,n a,b,f,g,n a,b,g	3 3	0 0	0 0	3
18GE0C1 18GE0C2	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b	3 3 3	0 0 0	0 0 0	3 3
18GE0C1 18GE0C2 18GE0C3 18GE0P1	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b	3 3 3 3 3	0 0 0 0 0	0 0 0 0 0	3 3 3 3
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b	3 3 3 3 3 3	0 0 0 0 0	0 0 0 0 0	3 3 3 3 3 3
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b	3 3 3 3 3	0 0 0 0 0	0 0 0 0 0	3 3 3 3
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b	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
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL 0	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE ETYMOLOGY	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b	3 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
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL 18GE0XA 18GE0XB	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE ETYMOLOGY GENERAL PSYCHOLOGY	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b	3 3 3 3 3 3 3 1	0 0 0 0 0 0 0	0 0 0 0 0 0 0	3 3 3 3 3 3 3
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL 18GE0XA 18GE0XB	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE ETYMOLOGY GENERAL PSYCHOLOGY NEURO BEHAVIORAL SCIENCE	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b	3 3 3 3 3 3 3 1 1	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 1 1 1
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL 18GE0XA 18GE0XB	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE ETYMOLOGY GENERAL PSYCHOLOGY NEURO BEHAVIORAL SCIENCE VISUAL MEDIA AND FILM MAKING	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b	3 3 3 3 3 3 3 1	0 0 0 0 0 0 0	0 0 0 0 0 0 0	3 3 3 3 3 3 3
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL 18GE0XA 18GE0XB	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE ETYMOLOGY GENERAL PSYCHOLOGY NEURO BEHAVIORAL SCIENCE	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b a,b,c i	3 3 3 3 3 3 3 1 1	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 1 1 1
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL 18GE0XA 18GE0XB 18GE0XC	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE ETYMOLOGY GENERAL PSYCHOLOGY NEURO BEHAVIORAL SCIENCE VISUAL MEDIA AND FILM MAKING	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b a,b,c i	3 3 3 3 3 3 3 1 1 1	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 1 1 1 1
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL 18GE0XA 18GE0XA 18GE0XC 18GE0XD	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE ETYMOLOGY GENERAL PSYCHOLOGY NEURO BEHAVIORAL SCIENCE VISUAL MEDIA AND FILM MAKING YOGA FOR HUMAN EXCELLENCE	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b a,b,c i	3 3 3 3 3 3 3 1 1 1 1	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 1 1 1 1
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL 18GE0XA 18GE0XB 18GE0XC 18GE0XC 18GE0XC	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE ETYMOLOGY GENERAL PSYCHOLOGY NEURO BEHAVIORAL SCIENCE VISUAL MEDIA AND FILM MAKING YOGA FOR HUMAN EXCELLENCE VEDIC MATHEMATICS	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b a,b,c i	3 3 3 3 3 3 3 3 1 1 1 1 1	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 1 1 1 1 1 1
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL 18GE0XA 18GE0XB 18GE0XD 18GE0XD	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE ETYMOLOGY GENERAL PSYCHOLOGY NEURO BEHAVIORAL SCIENCE VISUAL MEDIA AND FILM MAKING YOGA FOR HUMAN EXCELLENCE VEDIC MATHEMATICS HEALTH AND FITNESS	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b a,b,c i	3 3 3 3 3 3 3 3 1 1 1 1	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 1 1 1 1 1
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL 18GE0XA 18GE0XB 18GE0XC 18GE0XD 18GE0XF 18GE0XF	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE ETYMOLOGY GENERAL PSYCHOLOGY NEURO BEHAVIORAL SCIENCE VISUAL MEDIA AND FILM MAKING YOGA FOR HUMAN EXCELLENCE VEDIC MATHEMATICS HEALTH AND FITNESS CONCEPT, METHODOLOGY AND APPLICATIONS OF	I,II	a,b,f,g,n a,b,f,g,n a,b,g a,b a,b,c i	3 3 3 3 3 3 3 3 1 1 1 1 1	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 1 1 1 1 1 1
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL 18GE0XA 18GE0XB 18GE0XC 18GE0XC 18GE0XC 18GE0XC	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE ETYMOLOGY GENERAL PSYCHOLOGY NEURO BEHAVIORAL SCIENCE VISUAL MEDIA AND FILM MAKING YOGA FOR HUMAN EXCELLENCE VEDIC MATHEMATICS HEALTH AND FITNESS CONCEPT, METHODOLOGY AND APPLICATIONS OF VERMICOMPOSTING BLOG WRITING	- - - - - - - - - - - - - - - - - - -	a,b,f,g,n a,b,f,g,n a,b,g a,b a,b,c i b,f	3 3 3 3 3 3 3 3 1 1 1 1 1	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 1 1 1 1 1 1
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL 18GE0XA 18GE0XB 18GE0XC 18GE0XC 18GE0XC 18GE0XF 18GE0XF 18GE0XG 18GE0XG 18GE0XH	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE ETYMOLOGY GENERAL PSYCHOLOGY NEURO BEHAVIORAL SCIENCE VISUAL MEDIA AND FILM MAKING YOGA FOR HUMAN EXCELLENCE VEDIC MATHEMATICS HEALTH AND FITNESS CONCEPT, METHODOLOGY AND APPLICATIONS OF VERMICOMPOSTING BLOG WRITING IVES	- - - - - - - - - - - - - - - - - - -	a,b,f,g,n a,b,f,g,n a,b,g a,b a,b,c i b,f	3 3 3 3 3 3 3 3 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 1 1 1 1 1 1
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL (18GE0XA) 18GE0XB 18GE0XC	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE ETYMOLOGY GENERAL PSYCHOLOGY NEURO BEHAVIORAL SCIENCE VISUAL MEDIA AND FILM MAKING YOGA FOR HUMAN EXCELLENCE VEDIC MATHEMATICS HEALTH AND FITNESS CONCEPT, METHODOLOGY AND APPLICATIONS OF VERMICOMPOSTING BLOG WRITING VES NON-DESTRUCTIVE TESTING	- - - - - - - - - - - - - - - - - - -	a,b,f,g,n a,b,f,g,n a,b,g a,b a,b,c i b,f	3 3 3 3 3 3 3 3 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 1 1 1 1 1 1 1 1
18GE0C1 18GE0C2 18GE0C3 18GE0P1 18GE0P2 18GE0P3 ADDITIONAL 18GE0XA 18GE0XB 18GE0XC 18GE0XC 18GE0XC 18GE0XF 18GE0XF 18GE0XG 18GE0XG 18GE0XH	TECHNOLOGIES FOR GREEN MOBILITY CORROSION SCIENCE AND ENGINEERING ENERGY STORING DEVICES POLYMER SCIENCE NANOMATERIALS SCIENCE SEMICONDUCTOR PHYSICS AND DEVICES APPLIED LASER SCIENCE ONE CREDIT COURSE ETYMOLOGY GENERAL PSYCHOLOGY NEURO BEHAVIORAL SCIENCE VISUAL MEDIA AND FILM MAKING YOGA FOR HUMAN EXCELLENCE VEDIC MATHEMATICS HEALTH AND FITNESS CONCEPT, METHODOLOGY AND APPLICATIONS OF VERMICOMPOSTING BLOG WRITING IVES	- - - - - - - - - - - - - - - - - - -	a,b,f,g,n a,b,f,g,n a,b,g a,b a,b,c i b,f	3 3 3 3 3 3 3 3 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 1 1 1 1 1 1 1

	ENTREPRENEURSHIP DEVELOPMENT AND FOOD QUALITY	т —	1	1			
18AG0YA	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
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	-	-	3	0	0	3
18CE0YI	CONCEPTS OF REMOTE SENSING	-	-	3	0	0	3
18CS0YA	E-LEARNING TECHNIQUES	-	-	3	0	0	3
18CS0YB	SOFTWARE TESTING AND QUALITY ASSURANCE	-	-	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	1-	-	3	0	0	3
18CS0YG	KNOWLEDGE DISCOVERY IN DATABASES	1-	-	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
	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
18FD0YC	POST HARVEST TECHNOLOGY OF FRUITS AND VEGETABLES	-	-	3	0	0	3
18FT0YA	FASHION CRAFTS	-	-	3	0	0	3
18FT0YB	FASHION ACCESSORIES	1-	-	3	0	0	3
18FT0YC	FASHION VISUAL MERCHANDISING	1-	-	3	0	0	3
18FT0YD	INTERIOR DESIGN	+	<u> </u>	3	0	0	3
1011010	INTERIOR DEGICIN	I-				0	3
18FT0YE	SURFACE EMBELLISHMENT	-	-	3	0	U	
		- -	-	3	0	0	3
18FT0YE	SURFACE EMBELLISHMENT	-	-				
18FT0YE 18GE01	SURFACE EMBELLISHMENT BUSINESS ANALYTICS	-	-	3	0	0	3
18FT0YE 18GE01 18GE02	SURFACE EMBELLISHMENT BUSINESS ANALYTICS INDUSTRIAL SAFETY	-	-	3	0	0	3
18FT0YE 18GE01 18GE02 18GE03	SURFACE EMBELLISHMENT BUSINESS ANALYTICS INDUSTRIAL SAFETY OPERATIONS RESEARCH	- - - -	-	3 3	0 0	0 0	3 3
18FT0YE 18GE01 18GE02 18GE03 18GE04	SURFACE EMBELLISHMENT BUSINESS ANALYTICS INDUSTRIAL SAFETY OPERATIONS RESEARCH COST MANAGEMENT OF ENGINEERING PROJECTS	- - - - -	-	3 3 3	0 0 0	0 0 0	3 3 3
18FT0YE 18GE01 18GE02 18GE03 18GE04 18GE05	SURFACE EMBELLISHMENT BUSINESS ANALYTICS INDUSTRIAL SAFETY OPERATIONS RESEARCH COST MANAGEMENT OF ENGINEERING PROJECTS COMPOSITE MATERIALS	-	-	3 3 3 3	0 0 0 0	0 0 0 0	3 3 3 3 3
18FT0YE 18GE01 18GE02 18GE03 18GE04 18GE05 18GE06	SURFACE EMBELLISHMENT BUSINESS ANALYTICS INDUSTRIAL SAFETY OPERATIONS RESEARCH COST MANAGEMENT OF ENGINEERING PROJECTS COMPOSITE MATERIALS WASTE TO ENERGY	-	-	3 3 3 3 3 3	0 0 0 0 0 0	0 0 0 0 0	3 3 3 3 3 3
18FT0YE 18GE01 18GE02 18GE03 18GE04 18GE05 18GE06 18IT0YA	SURFACE EMBELLISHMENT BUSINESS ANALYTICS INDUSTRIAL SAFETY OPERATIONS RESEARCH COST MANAGEMENT OF ENGINEERING PROJECTS COMPOSITE MATERIALS WASTE TO ENERGY DATABASE MANAGEMENT SYSTEMS	- - - - - - - -	-	3 3 3 3 3 3	0 0 0 0 0	0 0 0 0 0	3 3 3 3 3 3
18FT0YE 18GE01 18GE02 18GE03 18GE04 18GE05 18GE06 18IT0YA 18IT0YB	SURFACE EMBELLISHMENT BUSINESS ANALYTICS INDUSTRIAL SAFETY OPERATIONS RESEARCH COST MANAGEMENT OF ENGINEERING PROJECTS COMPOSITE MATERIALS WASTE TO ENERGY DATABASE MANAGEMENT SYSTEMS DATA STRUCTURES AND ALGORITHMS	- - - - - - - - - -	-	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
18FT0YE 18GE01 18GE02 18GE03 18GE04 18GE05 18GE06 18IT0YA 18IT0YB	SURFACE EMBELLISHMENT BUSINESS ANALYTICS INDUSTRIAL SAFETY OPERATIONS RESEARCH COST MANAGEMENT OF ENGINEERING PROJECTS COMPOSITE MATERIALS WASTE TO ENERGY DATABASE MANAGEMENT SYSTEMS DATA STRUCTURES AND ALGORITHMS DATA SCIENCES AND ANALYTICS	- - - - - - - - - -	-	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 3
18FT0YE 18GE01 18GE02 18GE03 18GE04 18GE05 18GE06 18IT0YA 18IT0YB 18IT0YC	SURFACE EMBELLISHMENT BUSINESS ANALYTICS INDUSTRIAL SAFETY OPERATIONS RESEARCH COST MANAGEMENT OF ENGINEERING PROJECTS COMPOSITE MATERIALS WASTE TO ENERGY DATABASE MANAGEMENT SYSTEMS DATA STRUCTURES AND ALGORITHMS DATA SCIENCES AND ANALYTICS OBJECT ORIENTED PROGRAMMING		-	3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0	0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 3
18FT0YE 18GE01 18GE02 18GE03 18GE04 18GE05 18GE06 18IT0YA 18IT0YB 18IT0YC 18IT0YD	SURFACE EMBELLISHMENT BUSINESS ANALYTICS INDUSTRIAL SAFETY OPERATIONS RESEARCH COST MANAGEMENT OF ENGINEERING PROJECTS COMPOSITE MATERIALS WASTE TO ENERGY DATABASE MANAGEMENT SYSTEMS DATA STRUCTURES AND ALGORITHMS DATA SCIENCES AND ANALYTICS OBJECT ORIENTED PROGRAMMING ARTIFICIAL INTELLIGENCE		-	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	3 3 3 3 3 3 3 3 3 3
18FT0YE 18GE01 18GE02 18GE03 18GE04 18GE05 18GE06 18IT0YA 18IT0YB 18IT0YC 18IT0YD 18IT0YE 18ME0YA	SURFACE EMBELLISHMENT BUSINESS ANALYTICS INDUSTRIAL SAFETY OPERATIONS RESEARCH COST MANAGEMENT OF ENGINEERING PROJECTS COMPOSITE MATERIALS WASTE TO ENERGY DATABASE MANAGEMENT SYSTEMS DATA STRUCTURES AND ALGORITHMS DATA SCIENCES AND ANALYTICS OBJECT ORIENTED PROGRAMMING ARTIFICIAL INTELLIGENCE INDUSTRIAL PROCESS ENGINEERING			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	3 3 3 3 3 3 3 3 3 3 3 3 3
18FT0YE 18GE01 18GE02 18GE03 18GE04 18GE05 18GE06 18IT0YA 18IT0YB 18IT0YC 18IT0YD 18IT0YE 18ME0YA 18ME0YB	SURFACE EMBELLISHMENT BUSINESS ANALYTICS INDUSTRIAL SAFETY OPERATIONS RESEARCH COST MANAGEMENT OF ENGINEERING PROJECTS COMPOSITE MATERIALS WASTE TO ENERGY DATABASE MANAGEMENT SYSTEMS DATA STRUCTURES AND ALGORITHMS DATA SCIENCES AND ANALYTICS OBJECT ORIENTED PROGRAMMING ARTIFICIAL INTELLIGENCE INDUSTRIAL PROCESS ENGINEERING SAFETY ENGINEERING			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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 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	-	-	3	0	0	3
18TT0YC	TEXTILES IN ENGINEERING APPLICATION	-	-	3	0	0	3
18TT0YD	GENERAL TEXTILE TECHNOLOGY	-	-	3	0	0	3