	B.E. ELECTRICAL AND ELECTR		G				
First Compate	Minimum Credits to be	Earned 170.0					
First Semeste	<u>r</u>	T					
Code No.	Course		&Outcomes	L	Т	P	С
18EE101	ENGINEERING MATHEMATICS I	PEOs	POs a,b,c	3	1	0	4
18EE102	ENGINEERING PHYSICS I	-	a,b,i	2	0	2	3
18EE103	ENGINEERING CHEMISTRY I	-	a,b,e	2	0	2	3
18EE104	COMPUTER PROGRAMMING I	-	a,b,c,m	2	0	2	3
18HS101	COMMUNICATIVE ENGLISH I	-	i,j	1	0	2	2
18EE106	ENGINEERING PRACTICES LABORATORY	-	a,b,c,i	0	0	4	2
		<u> </u>	Total	10	1	12	17.0
Second Seme	ster					<u>.                                    </u>	
		Objectives	&Outcomes				
Code No.	Course			L	Т	P	С
18EE201	ENGINEERING MATHEMATICS II	PEOs	POs	3	1	0	4
18EE201	ENGINEERING PHYSICS II		a,b	2	0	2	3
18EE202	ENGINEERING CHEMISTRY II		a,b,i	2	0	2	3
18EE204	BASICS OF CIVIL AND MECHANICAL ENGINEERING		a,b	3	0	0	3
1000204	LANGUAGE ELECTIVE		a,g	-	-	-	2
18EE206	ELECTRIC CIRCUIT ANALYSIS	<del></del>	a,b,d,e	3	0	2	4
18EE206 18EE207	ENGINEERING GRAPHICS	<u>-</u>	a,b,d,e a,i	1	0	4	3
TOLLZOT	ENGINEERING GRAFTIICS	<u> </u>	Total	14	1	10	22.0
Third Semeste			Total	14		10	22.0
Tillia Gemesia		1				1	
Code No.	Course	Objectives	&Outcomes	L	т	P	С
		PEOs	POs				
18EE301	ENGINEERING MATHEMATICS III	-	a,b,m	3	1	0	4
18EE302	ELECTRON DEVICES AND CIRCUITS	-	a,b,c,m,n	3	0	0	3
18EE303	ELECTRICAL MACHINES I	-	a,b,d,m,n	3	1	0	4
18EE304	ELECTROMAGNETIC THEORY	-	a,b,m,n	3	1	0	4
18EE305	POWER GENERATION SYSTEMS	-	a,b,f,g,m,n	3	0	0	3
18EE306	COMPUTER PROGRAMMING II	-	a,b,c,m	3	0	2	4
18EE307	ELECTRICAL MACHINES I LABORATORY	-	c,d,m,n	0	0	2	1
4000000							
18EE308	ELECTRON DEVICES AND CIRCUITS LABORATORY	-	a,b,c,i,j,m,n	0	0	2	1
18EE308 18GE301	SOFT SKILLS - VERBAL ABILITY	-	-	2	0	0	0
18GE301	SOFT SKILLS - VERBAL ABILITY	-	a,b,c,i,j,m,n - Total				
	SOFT SKILLS - VERBAL ABILITY	-	- Total	2	0	0	0
18GE301 Fourth Semes	SOFT SKILLS - VERBAL ABILITY ter	- - Objectives	-	2 20	0 3	6	0 24.0
18GE301	SOFT SKILLS - VERBAL ABILITY	Objectives	- Total	2	0	0	0
18GE301 Fourth Semes	SOFT SKILLS - VERBAL ABILITY ter		Total	2 20	0 3	6	0 24.0
18GE301 Fourth Semes Code No.	SOFT SKILLS - VERBAL ABILITY  ter  Course		Total  &Outcomes  POs	2 20 <b>L</b>	0 3	0 6 <b>P</b>	0 24.0 <b>C</b>
18GE301  Fourth Semes  Code No.  18EE401	SOFT SKILLS - VERBAL ABILITY  ter  Course  GRAPH THEORY AND PROBABILITY		Total  &Outcomes  POs  a,b,m	2 20 L	0 3 T	0 6 <b>P</b>	0 24.0 <b>C</b>
18GE301  Fourth Semes  Code No.  18EE401 18EE402	SOFT SKILLS - VERBAL ABILITY  ter  Course  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS		Total  S &Outcomes  POs  a,b,m  a,b,c,d,e,m,n	2 20 L 3 3	0 3 T	0 6 <b>P</b> 0	0 24.0 <b>C</b> 4 4
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403	SOFT SKILLS - VERBAL ABILITY  ter  Course  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION		Total  S & Outcomes  POs  a,b,m  a,b,c,d,e,m,n  a,b,m,n	2 20 L 3 3 3	0 3 T	0 6 <b>P</b> 0 0	0 24.0 <b>C</b> 4 4 3
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404	SOFT SKILLS - VERBAL ABILITY  ter  Course  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II		Total  S & Outcomes  POs  a,b,m  a,b,c,d,e,m,n  a,b,m,n	2 20 <b>L</b> 3 3 3 3	0 3 T	0 6 P 0 0 0	0 24.0 <b>C</b> 4 4 3 4
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405	SOFT SKILLS - VERBAL ABILITY  ter  Course  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS		Total  S & Outcomes  POS  a,b,m  a,b,c,d,e,m,n  a,b,m,n  a,b,m,n  a,b,m,n	2 20 L 3 3 3 3 3	0 3 T 1 1 0	0 6 P 0 0 0	0 24.0 <b>C</b> 4 4 3 4 3
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406	SOFT SKILLS - VERBAL ABILITY  ter  Course  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING		Total  S & Outcomes  POs  a,b,m  a,b,c,d,e,m,n  a,b,m,n  a,b,m,n  a,b,c,m,n  a,b,c,m,n	2 20 L 3 3 3 3 3 3 2	0 3 T 1 1 0 1	0 6 P 0 0 0 0 0	C 4 4 3 3 4 3 3 3
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407	SOFT SKILLS - VERBAL ABILITY  ter  Course  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY		Total  S & Outcomes  POs  a,b,m  a,b,c,d,e,m,n  a,b,m,n  a,b,c,m,n  a,b,c,m,n  a,b,d  a,b,d,i,m,n	2 20 L 3 3 3 3 3 2 0	0 3 T 1 1 0 1 0 0	0 6 P 0 0 0 0 0 0 2 2	0 24.0 <b>C</b> 4 4 3 4 3 1
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408	Course  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS TRANSMISSION , DISTRIBUTION AND UTILIZATION ELECTRICAL MACHINES II INTEGRATED CIRCUITS AND APPLICATIONS PYTHON PROGRAMMING ELECTRICAL MACHINES II LABORATORY DIGITAL AND INTEGRATED CIRCUITS LABORATORY		Total  S & Outcomes  POs a,b,m a,b,c,d,e,m,n a,b,m,n a,b,m,n a,b,c,m,n a,b,d,i,m,n a,c,e,i,m,n	2 20 L 3 3 3 3 3 2 0	T 1 1 0 1 0 0 0 0 0 0 0	0 6 P 0 0 0 0 0 2 2 2	0 24.0 <b>C</b> 4 4 3 4 3 1 1
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001	Course  Course  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY  DIGITAL AND INTEGRATED CIRCUITS LABORATORY  ENVIRONMENTAL SCIENCE		Total  S & Outcomes  POs a,b,m a,b,c,d,e,m,n a,b,m,n a,b,m,n a,b,c,m,n a,b,d,i,m,n a,c,e,i,m,n	2 20 L 3 3 3 3 3 2 0 0	T 1 1 0 0 0 0 0 0 0 0 0	0 6 P 0 0 0 0 0 2 2 2 2	C 4 4 3 3 4 3 3 1 1 1 0
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001	TEAT COURSE  COURSE  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY  DIGITAL AND INTEGRATED CIRCUITS LABORATORY  ENVIRONMENTAL SCIENCE  SOFT SKILLS-REASONING		Total  S & Outcomes  POs  a,b,m  a,b,c,d,e,m,n  a,b,m,n  a,b,c,m,n  a,b,c,m,n  a,b,c,m,n  a,b,d  a,b,d,i,m,n  a,c,e,i,m,n  a,b  -	2 20 L 3 3 3 3 3 2 0 0 0 2 2	T 1 1 0 1 0 0 0 0 0 0 0 0	0 6 P 0 0 0 0 0 2 2 2 2 0	C 4 4 3 3 4 3 3 1 1 1 0 0 0
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001 18GE401  Fifth Semester	TOURSE  COURSE  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY  DIGITAL AND INTEGRATED CIRCUITS LABORATORY  ENVIRONMENTAL SCIENCE  SOFT SKILLS-REASONING	PEOs	Total  S & Outcomes  POs  a,b,m, a,b,c,d,e,m,n a,b,m,n a,b,c,m,n a,b,d a,b,d,i,m,n a,c,e,i,m,n a,b  Total	2 20 20 3 3 3 3 3 2 0 0 0 2 2 21	T  1 1 0 1 0 0 0 0 0 0 0 0 0 3	0 6 P 0 0 0 0 0 2 2 2 2 0 0 6	C 4 4 3 3 4 3 3 1 1 1 0 0 0 23.0
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001 18GE401	TEAT COURSE  COURSE  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY  DIGITAL AND INTEGRATED CIRCUITS LABORATORY  ENVIRONMENTAL SCIENCE  SOFT SKILLS-REASONING	PEOs	Total  S & Outcomes  POs  a,b,m  a,b,c,d,e,m,n  a,b,m,n  a,b,c,m,n  a,b,c,m,n  a,b,d  a,b,d,i,m,n  a,c,e,i,m,n  a,b  Total	2 20 L 3 3 3 3 3 2 0 0 0 2 2	T 1 1 0 1 0 0 0 0 0 0 0 0	0 6 P 0 0 0 0 0 2 2 2 2 0	C 4 4 3 3 4 3 3 1 1 1 0 0 0
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001 18GE401  Fifth Semester  Code No.	TOURSE  COURSE  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY  DIGITAL AND INTEGRATED CIRCUITS LABORATORY  ENVIRONMENTAL SCIENCE  SOFT SKILLS-REASONING  COURSE	PEOs	Total  S & Outcomes  POs  a,b,m  a,b,c,d,e,m,n  a,b,m,n  a,b,c,m,n  a,b,d  a,b,d,i,m,n  a,c,e,i,m,n  a,b  Total  S & Outcomes  POs	2 20 20 3 3 3 3 3 2 0 0 2 2 21	T  1 1 0 0 0 0 0 0 0 0 0 0 T	0 6 P 0 0 0 0 0 2 2 2 2 0 0 6	C 4 4 3 3 4 3 3 1 1 1 0 0 0 23.0 C
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001 18GE401  Fifth Semeste  Code No.	TOURSE  COURSE  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY  DIGITAL AND INTEGRATED CIRCUITS LABORATORY  ENVIRONMENTAL SCIENCE  SOFT SKILLS-REASONING  COURSE  POWER SYSTEM ANALYSIS	PEOs	Total  S & Outcomes  POs  a,b,m,n  a,b,c,m,n  a,b,c,m,n  a,b,d  a,b,d,i,m,n  a,c,e,i,m,n  a,b  Total  S & Outcomes  POs  a,b,d,m	2 20 20 3 3 3 3 3 2 0 0 2 2 21	T 1 1 0 0 0 0 0 0 0 0 0 0 T 1 1 1 1 1 1	0 6 P 0 0 0 0 0 2 2 2 2 0 0 6	C 4 4 3 4 3 1 1 0 0 23.0
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001 18GE401  Fifth Semester  Code No.  18EE501 18EE502	TOURSE  COURSE  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY  DIGITAL AND INTEGRATED CIRCUITS LABORATORY  ENVIRONMENTAL SCIENCE  SOFT SKILLS-REASONING  COURSE  POWER SYSTEM ANALYSIS  CONTROL SYSTEMS	PEOs	Total  S & Outcomes  POs  a,b,m,n  a,b,c,m,n  a,b,c,m,n  a,b,d  a,b,d,i,m,n  a,c,e,i,m,n  a,b  Total  S & Outcomes  POs  a,b,d,m  a,b,d,n  a,c,e,i,m,n	L 3 3 3 3 3 2 0 0 2 21 L	T 1 1 0 1 0 0 0 0 0 0 0 0 T 1 1 1 1 1 1	0 6 P 0 0 0 0 0 2 2 2 2 2 0 0 6	C 4 4 3 4 3 1 1 0 23.0  C
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001 18GE401  Fifth Semester  Code No.  18EE501 18EE502 18EE503	TOURSE  COURSE  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY  DIGITAL AND INTEGRATED CIRCUITS LABORATORY  ENVIRONMENTAL SCIENCE  SOFT SKILLS-REASONING  COURSE  POWER SYSTEM ANALYSIS  CONTROL SYSTEMS  MEASUREMENT AND INSTRUMENTATION	PEOs	Total  S & Outcomes  POs  a,b,m, a,b,c,d,e,m,n a,b,m,n a,b,c,m,n a,b,d a,b,d,i,m,n a,c,e,i,m,n a,b  Total  S & Outcomes  POs a,b,d,m a,b,d,m a,b,d,m a,b,d,m a,b,d,m,n a,c,e,i,m,n a,b a,b,d,m,n a,b,d a,b,d,i,m,n a,b,d,d,m,n a,b,d,d,d,m,n a,b,d,d,d,d,d,d,d,d,d,d,d,d,d,d,d,d,d,d,	L 3 3 3 3 3 2 0 0 2 21 L	T 1 1 0 0 0 0 0 0 0 0 0 0 T 1 1 0 0 0 0	0 6 P 0 0 0 0 0 2 2 2 2 2 0 0 6	C 4 4 3 4 3 1 1 0 23.0  C 4 4 4 4 4 4
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001 18GE401  Fifth Semester  Code No.  18EE501 18EE502	TOURSE  COURSE  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY  DIGITAL AND INTEGRATED CIRCUITS LABORATORY  ENVIRONMENTAL SCIENCE  SOFT SKILLS-REASONING  COURSE  POWER SYSTEM ANALYSIS  CONTROL SYSTEMS  MEASUREMENT AND INSTRUMENTATION  POWER ELECTRONICS	PEOs	Total  S & Outcomes  POs  a,b,m,n  a,b,c,m,n  a,b,c,m,n  a,b,d  a,b,d,i,m,n  a,c,e,i,m,n  a,b  Total  S & Outcomes  POs  a,b,d,m  a,b,d,n  a,c,e,i,m,n	L 3 3 3 3 3 2 0 0 2 21 L 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	T 1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 1 0	0 6 P 0 0 0 0 0 2 2 2 2 0 0 6	C 4 4 3 4 3 1 1 0 23.0  C 4 4 4 3 3 3 3 1 1 1 0 0 23.0
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001 18GE401  Fifth Semester  Code No.  18EE501 18EE502 18EE503	TOURSE  COURSE  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY  DIGITAL AND INTEGRATED CIRCUITS LABORATORY  ENVIRONMENTAL SCIENCE  SOFT SKILLS-REASONING  COURSE  POWER SYSTEM ANALYSIS  CONTROL SYSTEMS  MEASUREMENT AND INSTRUMENTATION  POWER ELECTRONICS  PROFESSIONAL ELECTIVE I	PEOs	Total  S & Outcomes  POs  a,b,m, a,b,c,d,e,m,n a,b,m,n a,b,c,m,n a,b,d a,b,d,i,m,n a,c,e,i,m,n a,b  Total  S & Outcomes  POs a,b,d,m a,b,d,m a,b,d,m a,b,d,m a,b,d,m,n a,c,e,i,m,n a,b a,b,d,m,n a,b,d a,b,d,i,m,n a,b,d,d,m,n a,b,d,d,d,m,n a,b,d,d,d,d,d,d,d,d,d,d,d,d,d,d,d,d,d,d,	L 3 3 3 3 3 2 0 0 2 21 L	T 1 1 0 0 0 0 0 0 0 0 0 0 T 1 1 0 0 0 0	0 6 P 0 0 0 0 0 2 2 2 2 2 0 0 6	C 4 4 3 4 3 1 1 0 23.0  C 4 4 4 3 3 3 3 1 1 1 0 0 23.0
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001 18GE401  Fifth Semester  Code No.  18EE501 18EE502 18EE503 18EE504	TOURSE  COURSE  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY  DIGITAL AND INTEGRATED CIRCUITS LABORATORY  ENVIRONMENTAL SCIENCE  SOFT SKILLS-REASONING  COURSE  POWER SYSTEM ANALYSIS  CONTROL SYSTEMS  MEASUREMENT AND INSTRUMENTATION  POWER ELECTRONICS  PROFESSIONAL ELECTIVE II  PROFESSIONAL ELECTIVE II	PEOs	Total  S & Outcomes  POs  a,b,m  a,b,c,d,e,m,n  a,b,d  a,b,d,i,m,n  a,c,e,i,m,n  a,b  Total  S & Outcomes  POs  a,b,d,m  a,b,c,m,n  a,b  -  Total	L 3 3 3 3 3 3 2 0 0 2 21 L 3 3 3 3	T  1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 1 0	0 6 P 0 0 0 0 0 2 2 2 2 0 0 6	C 4 4 3 4 3 1 1 0 0 23.0  C 4 4 4 3 3 3 3 3 3 3 3 3 3
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001 18GE401  Fifth Semester  Code No.  18EE501 18EE502 18EE503 18EE504	TOURSE  COURSE  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY  DIGITAL AND INTEGRATED CIRCUITS LABORATORY  ENVIRONMENTAL SCIENCE  SOFT SKILLS-REASONING  COURSE  POWER SYSTEM ANALYSIS  CONTROL SYSTEMS  MEASUREMENT AND INSTRUMENTATION  POWER ELECTRONICS  PROFESSIONAL ELECTIVE II  POWER SYSTEM SIMULATION LABORATORY	PEOs	Total  S & Outcomes  POs a,b,m a,b,c,d,e,m,n a,b,m,n a,b,c,m,n a,b,d a,b,d,i,m,n a,c,e,i,m,n a,b  Total  S & Outcomes  POs a,b,d,m a,b,c,d,m,n a,b,c,d,m,n a,b,c,d,m,n a,b,c,d,m,n a,b,c,d,m,n a,b,c,d,m,n a,b,c,d,m,n a,b,c,m,n a,e,m	L 3 3 3 3 3 3 2 0 0 2 21 L 3 3 3 3 - 0 0	T  1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 1 0	0 6 P 0 0 0 0 0 2 2 2 2 0 0 6 P 0 0 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	C 4 4 3 4 3 1 1 0 0 23.0  C 4 4 4 3 3 3 1 1 1 1 0 1 0 1 1 0 1 1 1 0 1 1 1 1
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001 18GE401  Fifth Semester  Code No.  18EE501 18EE502 18EE503 18EE504	TOURSE  COURSE  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION, DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY  DIGITAL AND INTEGRATED CIRCUITS LABORATORY  ENVIRONMENTAL SCIENCE  SOFT SKILLS-REASONING  COURSE  POWER SYSTEM ANALYSIS  CONTROL SYSTEMS  MEASUREMENT AND INSTRUMENTATION  POWER ELECTRONICS  PROFESSIONAL ELECTIVE I  PROFESSIONAL ELECTIVE II  POWER SYSTEM SIMULATION LABORATORY  CONTROL SYSTEMS LABORATORY	PEOs	Total  S & Outcomes  POs  a,b,m  a,b,c,d,e,m,n  a,b,d  a,b,d,i,m,n  a,c,e,i,m,n  a,b  Total  S & Outcomes  POs  a,b,d,m  a,b,c,m,n  a,b  -  Total	L 3 3 3 3 3 3 2 0 0 2 21 L 3 3 3 3 - 0 0 0	T 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 6 P 0 0 0 0 0 2 2 2 2 0 0 6 P 0 0 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	C 4 4 3 4 3 1 1 0 23.0  C 4 4 4 3 3 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001 18GE401  Fifth Semester  Code No.  18EE501 18EE502 18EE503 18EE504	TOURSE  COURSE  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS  TRANSMISSION , DISTRIBUTION AND UTILIZATION  ELECTRICAL MACHINES II  INTEGRATED CIRCUITS AND APPLICATIONS  PYTHON PROGRAMMING  ELECTRICAL MACHINES II LABORATORY  DIGITAL AND INTEGRATED CIRCUITS LABORATORY  ENVIRONMENTAL SCIENCE  SOFT SKILLS-REASONING  COURSE  POWER SYSTEM ANALYSIS  CONTROL SYSTEMS  MEASUREMENT AND INSTRUMENTATION  POWER ELECTRONICS  PROFESSIONAL ELECTIVE II  POWER SYSTEM SIMULATION LABORATORY	PEOs	Total  S & Outcomes  POs a,b,m a,b,c,d,e,m,n a,b,m,n a,b,c,m,n a,b,d a,b,d,i,m,n a,c,e,i,m,n a,b  Total  S & Outcomes  POs a,b,d,m a,b,c,d,m,n a,b,c,d,m,n a,b,c,d,m,n a,b,c,d,m,n a,b,c,d,m,n a,b,c,d,m,n a,b,c,d,m,n a,b,c,m,n a,e,m	L 3 3 3 3 3 3 2 0 0 2 21 L 3 3 3 3 - 0 0	T  1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 1 0	0 6 P 0 0 0 0 0 2 2 2 2 0 0 6 P 0 0 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	C 4 4 3 4 3 1 1 0 0 23.0  C 4 4 4 3 3 3 1 1 1 0 1 0 1 1 0 1 1 0 1 0 1 1 0 1 1 0 1 1 0 1 1 1 1 0 1
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001 18GE401  Fifth Semester  Code No.  18EE501 18EE502 18EE503 18EE504	Course  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS TRANSMISSION , DISTRIBUTION AND UTILIZATION ELECTRICAL MACHINES II INTEGRATED CIRCUITS AND APPLICATIONS PYTHON PROGRAMMING ELECTRICAL MACHINES II LABORATORY DIGITAL AND INTEGRATED CIRCUITS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING  COURSE  POWER SYSTEM ANALYSIS CONTROL SYSTEMS MEASUREMENT AND INSTRUMENTATION POWER ELECTRONICS PROFESSIONAL ELECTIVE I PROFESSIONAL ELECTIVE II POWER SYSTEM SIMULATION LABORATORY CONTROL SYSTEMS LABORATORY SOFT SKILLS - APTITUDE I	PEOs	Total  S & Outcomes  POs  a,b,m  a,b,c,d,e,m,n  a,b,d  a,b,d,i,m,n  a,c,e,i,m,n  a,b  Total  S & Outcomes  POs  a,b,d,m  a,b,d,n  a,b,d  -  Total	L 3 3 3 3 3 3 2 0 0 2 21  L 3 3 3 3 - 0 0 0 0 0	T 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 6 P 0 0 0 0 0 2 2 2 2 0 0 6 P 0 0 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0	C 4 4 3 4 3 1 1 0 23.0  C 4 4 4 4 3 3 1 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0
18GE301  Fourth Semes  Code No.  18EE401 18EE402 18EE403 18EE404 18EE405 18EE406 18EE407 18EE408 18HS001 18GE401  Fifth Semester  Code No.  18EE501 18EE502 18EE503 18EE504	Course  GRAPH THEORY AND PROBABILITY  DIGITAL LOGIC CIRCUITS TRANSMISSION , DISTRIBUTION AND UTILIZATION ELECTRICAL MACHINES II INTEGRATED CIRCUITS AND APPLICATIONS PYTHON PROGRAMMING ELECTRICAL MACHINES II LABORATORY DIGITAL AND INTEGRATED CIRCUITS LABORATORY ENVIRONMENTAL SCIENCE SOFT SKILLS-REASONING  COURSE  POWER SYSTEM ANALYSIS CONTROL SYSTEMS MEASUREMENT AND INSTRUMENTATION POWER ELECTRONICS PROFESSIONAL ELECTIVE I PROFESSIONAL ELECTIVE II POWER SYSTEM SIMULATION LABORATORY CONTROL SYSTEMS LABORATORY SOFT SKILLS - APTITUDE I	PEOS	Total  S & Outcomes  POs  a,b,m  a,b,c,d,e,m,n  a,b,d  a,b,d,i,m,n  a,c,e,i,m,n  a,b  Total  S & Outcomes  POs  a,b,d,m  a,b,d,n  a,b,d  -  Total	L 3 3 3 3 3 3 2 0 0 2 21  L 3 3 3 3 - 0 0 0 0 0	T 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 6 P 0 0 0 0 0 2 2 2 2 0 0 6 P 0 0 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0	C 4 4 3 4 3 1 1 0 23.0  C 4 4 4 4 3 3 1 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0

PEGS		1						
Internal   Percolate   Perco								
RREEGO			PEOs	POs				
IBBEEDOI   POOPER SYSTEM PROFESSIONAL ELECTIVE III	18HS003		-	-	2	0	0	2
ISBEEGO	18EE602	MICROCONTROLLERS BASED SYSTEM DESIGN	-	a,c,m,n	3	0	0	3
PROFESSIONAL ELECTIVE IV	18EE603	DIGITAL SIGNAL PROCESSING	-	a,b,c,e,m,n	3	1	0	4
RREEDOY   NOVER PELECTRONICS LABORATORY	18EE604	POWER SYSTEM PROTECTION AND SWITCH GEAR	-	a,b,f,m,n	3	0	0	3
IRREGON		PROFESSIONAL ELECTIVE III	-	-	-	-	-	3
IBBER08  POWER ELECTRONICS LABORATORY		PROFESSIONAL ELECTIVE IV	-	-	-	-	-	3
IRBERIOR   POWER ELECTRONICS LABORATORY	18EE607	MICROCONTROLLERS BASED SYSTEM DESIGN LAB	-	a,c,e,i,m,n	0	0	2	1
	18EE608	POWER ELECTRONICS LABORATORY	1-		0	0	2	1
Total   11   1   0   0   200			-	-	0	0	2	0
Code No.   Course	.002001			Total				-
Code No.   Course	Seventh Seme	ester				·		20.0
Debt	COVOILLI COILL	T						
BIRISION	Code No.	Course	Objectives	&Outcomes	L	т	Р	l c
IRBEPTQ2			PEOs	POs				
TREETON   LECTRICAL MACHINE DESIGN   D. D.C.m.m   3   1   0   4	18HS002	PROFESSIONAL ETHICS IN ENGINEERING	-	-	2	0	0	2
TREETON   LECTRICAL MACHINE DESIGN   D. D.C.m.m   3   1   0   4	18EE702	EMBEDDED SYSTEMS	-	b.c.e.a.m.n	3	0	0	3
18EE704   SOLID STATE DRIVES			-		3	1	0	4
PROFESSIONAL ELECTIVE V			-					
PROFESSIONAL ELECTIVE VI	.522704		<del> </del> -	-,~,~,~,,,,,,,,			<del>-</del>	
RMBEDDED SYSTEMS LABORATORY			1.	_	_	_		
REE708   PROJECT WORK	10007		1	20077	-	-	2	
Eight Semestor			<del> </del>	a,c,e,m,n	-	-		
PROFESSIONAL ELECTIVE VII	18EE/08	PROJECT WORKT	<u> </u>		-	_		
Code No.   Course				Total	11	1	10	23.0
PROFESSIONAL ELECTIVE VIII	Eight Semest	er						
PROFESSIONAL ELECTIVE VIII			Objectives	&Outcomes	l . l	_		١ ,
PROFESSIONAL ELECTIVE VIII	Code No.	Course			<b>-</b>	1	P	'
PROFESSIONAL ELECTIVE IX		DDOFFOOLONAL FLEOTIVE VIII	PEUS	PUS				
PROFESSIONAL ELECTIVE			-	-			-	
Total   0			-	-	-	-	-	_
Total   0   0   18   18.0			<u> </u> -	-	-	-	-	_
Code No.   Course   Dijectives & Outcomes   PEOs   POS   P	18EE804	PROJECT WORK II	I_	I- I	0 1	0	18	9
Code No.   Course					-			
PEOS   POS			Γ	Total	0	0	18	18.0
PEOS   POS	Electives		<u>r</u>	Total	0	0	18	18.0
ANGUAGE ELECTIVES			Objectives			-		
18HSC01   CHINESE		Course		&Outcomes		-		
18HSF01   FRENCH	Code No.			&Outcomes		-		
18HSG01   GERMAN	Code No.	ELECTIVES		&Outcomes	L	т	Р	С
18HSH01	Code No.  LANGUAGE E  18HSC01	ELECTIVES CHINESE		&Outcomes	L 1	<b>T</b>	P 2	<b>C</b>
18HSJ01   JAPANESE	Code No.  LANGUAGE E  18HSC01  18HSF01	CHINESE FRENCH		&Outcomes	L 1 1	<b>T</b> 0 0	P 2 2	<b>C</b> 2 2
DISCIPLINE ELECTIVES   18EE001   ADVANCED POWER SEMICONDUCTOR DEVICES   -	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSG01	CHINESE FRENCH GERMAN		&Outcomes	1 1 1	T 0 0 0 0	P 2 2 2 2	2 2 2
18EE001   ADVANCED POWER SEMICONDUCTOR DEVICES   -   a,b,c,m,n   3   0   0   3   3   3   3   3   3   3	Code No.  LANGUAGE E 18HSC01 18HSG01 18HSH01	CHINESE FRENCH GERMAN HINDI		&Outcomes	1 1 1	T 0 0 0 0	P 2 2 2 2 2 2	2 2 2 2
18EE002       SPECIAL ELECTRICAL MACHINES       -       a,b,m,n       3       0       0       3         18EE003       HIGH VOLTAGE ENGINEERING       -       a,d,m,n       3       0       0       3         18EE004       POWER SYSTEM CONTROL       -       a,b,c,e,m       3       0       0       3         18EE005       POWER QUALITY       -       a,b,c,e,m,n       3       0       0       3         18EE006       ENERGY STORAGE SYSTEMS       -       a,g,m,n       3       0       0       3         18EE007       POWER PLANT INSTRUMENTATION AND CONTROL       -       a,b,e,m,n       3       0       0       3         18EE009       VLSI DESIGN       -       a,b,c,d,m,n       3       0       0       3         18EE010       ARTIFICIAL INTELLIGENCE TECHNIQUES       -       a,b,d,m,n       3       0       0       3         18EE011       COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS       -       a,b,c,m,n       3       0       0       3         18EE012       BIO MEDICAL INSTRUMENTATION       -       a,e,f,m,n       3       0       0       3         18EE014       ELECTRICAL AND HYBRID VEHICLES       -	Code No.  LANGUAGE E 18HSC01 18HSF01 18HSG01 18HSH01 18HSJ01	CHINESE FRENCH GERMAN HINDI JAPANESE		&Outcomes	1 1 1	T 0 0 0 0 0 0	P 2 2 2 2 2 2	2 2 2 2
18EE003	Code No.  LANGUAGE E 18HSC01 18HSF01 18HSG01 18HSH01 18HSJ01	CHINESE FRENCH GERMAN HINDI JAPANESE		&Outcomes	1 1 1	T 0 0 0 0 0 0	P 2 2 2 2 2 2	2 2 2 2
18EE004   POWER SYSTEM CONTROL   -	Code No.  LANGUAGE E 18HSC01 18HSF01 18HSG01 18HSH01 18HSJ01 DISCIPLINE E	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES		&Outcomes POs  - j	1 1 1 1	T 0 0 0 0 0 0 0 0	P 2 2 2 2 2 2 2	2 2 2 2 2 2
18EE005   POWER QUALITY   -	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSG01  18HSH01  18HSJ01  DISCIPLINE E  18EE001	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES ADVANCED POWER SEMICONDUCTOR DEVICES		&Outcomes POs  - j	1 1 1 1 1	T 0 0 0 0 0 0 0 0 0 0	P 2 2 2 2 2 2 0	2 2 2 2 2 2
18EE006       ENERGY STORAGE SYSTEMS       -       a,g,m,n       3       0       0       3         18EE007       POWER PLANT INSTRUMENTATION AND CONTROL       -       a,b,e,m,n       3       0       0       3         18EE008       INDUSTRIAL ELECTRONICS       -       a,b,c,d,m,n       3       0       0       3         18EE009       VLSI DESIGN       -       a,b,c,m,n       3       0       0       3         18EE010       ARTIFICIAL INTELLIGENCE TECHNIQUES       -       a,b,d,m,n       3       0       0       3         18EE011       COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS       -       a,b,c,m,n       3       0       0       3         18EE012       BIO MEDICAL INSTRUMENTATION       -       a,e,f,m,n       3       0       0       3         18EE013       ADVANCED CONTROL SYSTEMS       -       a,b,c,m,n       3       0       0       3         18EE015       SMART GRID TECHNOLOGIES       -       a,b,c,m,n       3       0       0       3         18EE016       FLEXIBLE AC TRANSMISSION SYSTEMS       -       a,b,c,m,n       3       0       0       3         18EE018       ENERGY AUDITING       -<	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSG01  18HSJ01  18HSJ01  DISCIPLINE E  18EE001  18EE002	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES		&Outcomes POs  - j a,b,c,m,n a,b,m,n	L 1 1 1 1 1 1 1 3 3 3	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 2 2 2 2 0 0 0	2 2 2 2 2 2 2
18EE006       ENERGY STORAGE SYSTEMS       -       a,g,m,n       3       0       0       3         18EE007       POWER PLANT INSTRUMENTATION AND CONTROL       -       a,b,e,m,n       3       0       0       3         18EE008       INDUSTRIAL ELECTRONICS       -       a,b,c,d,m,n       3       0       0       3         18EE009       VLSI DESIGN       -       a,b,c,m,n       3       0       0       3         18EE010       ARTIFICIAL INTELLIGENCE TECHNIQUES       -       a,b,d,m,n       3       0       0       3         18EE011       COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS       -       a,b,c,m,n       3       0       0       3         18EE012       BIO MEDICAL INSTRUMENTATION       -       a,e,f,m,n       3       0       0       3         18EE013       ADVANCED CONTROL SYSTEMS       -       a,b,m,n       3       0       0       3         18EE014       ELECTRICAL AND HYBRID VEHICLES       -       a,b,c,m,n       3       0       0       3         18EE015       SMART GRID TECHNOLOGIES       -       a,b,c,m,n       3       0       0       3         18EE016       FLEXIBLE AC TRANSMISSION SYSTEMS	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSH01  18HSJ01  DISCIPLINE E  18EE001  18EE002  18EE003	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING		&Outcomes POs  - j a,b,c,m,n a,b,m,n	L 1 1 1 1 1 1 1 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 2 2 2 2 2 2 2 0 0 0 0 0	2 2 2 2 2 2 2 3 3 3
18EE007       POWER PLANT INSTRUMENTATION AND CONTROL       -       a,b,e,m,n       3       0       0       3         18EE008       INDUSTRIAL ELECTRONICS       -       a,b,c,d,m,n       3       0       0       3         18EE009       VLSI DESIGN       -       a,b,c,m,n       3       0       0       3         18EE010       ARTIFICIAL INTELLIGENCE TECHNIQUES       -       a,b,d,m,n       3       0       0       3         18EE011       COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS       -       a,b,d,m,n       3       0       0       3         18EE012       BIO MEDICAL INSTRUMENTATION       -       a,e,f,m,n       3       0       0       3         18EE013       ADVANCED CONTROL SYSTEMS       -       a,b,m,n       3       0       0       3         18EE014       ELECTRICAL AND HYBRID VEHICLES       -       a,b,c,m,n       3       0       0       3         18EE015       SMART GRID TECHNOLOGIES       -       a,e,m       3       0       0       3         18EE016       FLEXIBLE AC TRANSMISSION SYSTEMS       -       a,b,c,m,n       3       0       0       3         18EE018       ENERGY AUDITING <t< td=""><td>Code No.  LANGUAGE E  18HSC01  18HSF01  18HSH01  18HSJ01  DISCIPLINE E  18EE001  18EE002  18EE003  18EE004</td><td>CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL</td><td></td><td>&amp;Outcomes POs  - j a,b,c,m,n a,b,m,n a,d,m,n a,b,c,e,m</td><td>1 1 1 1 1 1 3 3 3 3 3 3 3</td><td>T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>P 2 2 2 2 2 2 0 0 0 0 0 0</td><td>2 2 2 2 2 2 2 3 3 3 3</td></t<>	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSH01  18HSJ01  DISCIPLINE E  18EE001  18EE002  18EE003  18EE004	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL		&Outcomes POs  - j a,b,c,m,n a,b,m,n a,d,m,n a,b,c,e,m	1 1 1 1 1 1 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 2 2 2 2 2 2 0 0 0 0 0 0	2 2 2 2 2 2 2 3 3 3 3
18EE008       INDUSTRIAL ELECTRONICS       -       a,b,c,d,m,n       3       0       0       3         18EE009       VLSI DESIGN       -       a,b,c,m,n       3       0       0       3         18EE010       ARTIFICIAL INTELLIGENCE TECHNIQUES       -       a,b,d,m,n       3       0       0       3         18EE011       COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS       -       a,b,c,m,n       3       0       0       3         18EE012       BIO MEDICAL INSTRUMENTATION       -       a,e,f,m,n       3       0       0       3         18EE013       ADVANCED CONTROL SYSTEMS       -       a,b,m,n       3       0       0       3         18EE014       ELECTRICAL AND HYBRID VEHICLES       -       a,b,c,m,n       3       0       0       3         18EE015       SMART GRID TECHNOLOGIES       -       a,e,m       3       0       0       3         18EE016       FLEXIBLE AC TRANSMISSION SYSTEMS       -       a,b,c,m,n       3       0       0       3         18EE018       ENERGY AUDITING       -       a,b,c,m,n       3       0       0       3         18EE027       SIGNALS AND SYSTEMS       -       c	Code No.  LANGUAGE E 18HSC01 18HSF01 18HSG01 18HSJ01 DISCIPLINE E 18EE001 18EE002 18EE003 18EE004 18EE005	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY		&Outcomes POs  - j a,b,c,m,n a,b,m,n a,d,m,n a,b,c,e,m a,b,c,e,m,n	1 1 1 1 1 1 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 2 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 3 3 3 3 3 3
18EE009       VLSI DESIGN       -       a,b,c,m,n       3       0       0       3         18EE010       ARTIFICIAL INTELLIGENCE TECHNIQUES       -       a,b,d,m,n       3       0       0       3         18EE011       COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS       -       a,b,c,m,n       3       0       0       3         18EE012       BIO MEDICAL INSTRUMENTATION       -       a,b,c,m,n       3       0       0       3         18EE013       ADVANCED CONTROL SYSTEMS       -       a,b,m,n       3       0       0       3         18EE014       ELECTRICAL AND HYBRID VEHICLES       -       a,b,c,m,n       3       0       0       3         18EE015       SMART GRID TECHNOLOGIES       -       a,e,m       3       0       0       3         18EE016       FLEXIBLE AC TRANSMISSION SYSTEMS       -       a,b,c,m,n       3       0       0       3         18EE017       ILLUMINATION ENGINEERING       -       a,b,c,m,n       3       0       0       3         18EE019       RENEWABLE ENERGY SOURCES       -       c,f,g,n       3       0       0       3         18EE022       SIGNALS AND SYSTEMS       -	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSG01  18HSJ01  DISCIPLINE E  18EE001  18EE002  18EE003  18EE004  18EE005  18EE006	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS		&Outcomes POs  - j a,b,c,m,n a,b,m,n a,d,m,n a,b,c,e,m a,b,c,e,m,n a,b,c,e,m,n	1 1 1 1 1 1 1 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 2 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 3 3 3 3 3 3
18EE010       ARTIFICIAL INTELLIGENCE TECHNIQUES       -       a,b,d,m,n       3       0       0       3         18EE011       COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS       -       a,b,c,m,n       3       0       0       3         18EE012       BIO MEDICAL INSTRUMENTATION       -       a,e,f,m,n       3       0       0       3         18EE013       ADVANCED CONTROL SYSTEMS       -       a,b,m,n       3       0       0       3         18EE014       ELECTRICAL AND HYBRID VEHICLES       -       a,b,c,m,n       3       0       0       3         18EE015       SMART GRID TECHNOLOGIES       -       a,e,m       3       0       0       3         18EE016       FLEXIBLE AC TRANSMISSION SYSTEMS       -       a,b,c,m,n       3       0       0       3         18EE017       ILLUMINATION ENGINEERING       -       a,b,c,m,n       3       0       0       3         18EE018       ENERGY AUDITING       -       a,b,g,m,n       3       0       0       3         18EE019       RENEWABLE ENERGY SOURCES       -       c,f,g,n       3       0       0       3         18EE028       WIND AND SOLAR ENERGY CONVERSION SYSTEM <td>Code No.  LANGUAGE E  18HSC01  18HSF01  18HSG01  18HSJ01  DISCIPLINE E  18EE001  18EE002  18EE003  18EE004  18EE005  18EE006  18EE007</td> <td>CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL</td> <td></td> <td>&amp;Outcomes  POs  -  j  -  -  -  a,b,c,m,n  a,b,m,n  a,d,m,n  a,b,c,e,m  a,b,c,e,m,n  a,b,c,e,m,n  a,b,c,e,m,n</td> <td>L 1 1 1 1 1 1 1 1 3 3 3 3 3 3 3 3 3 3 3</td> <td>T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>P 2 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3</td>	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSG01  18HSJ01  DISCIPLINE E  18EE001  18EE002  18EE003  18EE004  18EE005  18EE006  18EE007	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL		&Outcomes  POs  -  j  -  -  -  a,b,c,m,n  a,b,m,n  a,d,m,n  a,b,c,e,m  a,b,c,e,m,n  a,b,c,e,m,n  a,b,c,e,m,n	L 1 1 1 1 1 1 1 1 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 2 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3
18EE011       COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS       -       a,b,c,m,n       3       0       0       3         18EE012       BIO MEDICAL INSTRUMENTATION       -       a,e,f,m,n       3       0       0       3         18EE013       ADVANCED CONTROL SYSTEMS       -       a,b,m,n       3       0       0       3         18EE014       ELECTRICAL AND HYBRID VEHICLES       -       a,b,c,m,n       3       0       0       3         18EE015       SMART GRID TECHNOLOGIES       -       a,e,m       3       0       0       3         18EE016       FLEXIBLE AC TRANSMISSION SYSTEMS       -       a,b,c,m,n       3       0       0       3         18EE017       ILLUMINATION ENGINEERING       -       a,b,c,m,n       3       0       0       3         18EE018       ENERGY AUDITING       -       a,b,g,m,n       3       0       0       3         18EE019       RENEWABLE ENERGY SOURCES       -       c,f,g,n       3       0       0       3         18EE027       SIGNALS AND SYSTEMS       -       a,b,e,m,n       3       0       0       3         18EE028       WIND AND SOLAR ENERGY CONVERSION SYSTEM       -<	Code No.  LANGUAGE E 18HSC01 18HSF01 18HSG01 18HSH01 18HSJ01 DISCIPLINE E 18EE001 18EE002 18EE003 18EE004 18EE005 18EE006 18EE007	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS		&Outcomes  POs  -  j  -  -  -  a,b,c,m,n  a,b,m,n  a,d,m,n  a,b,c,e,m  a,b,c,e,m,n  a,b,c,e,m,n  a,b,c,e,m,n  a,b,c,e,m,n	1 1 1 1 1 1 1 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 2 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3
18EE012       BIO MEDICAL INSTRUMENTATION       -       a,e,f,m,n       3       0       0       3         18EE013       ADVANCED CONTROL SYSTEMS       -       a,b,m,n       3       0       0       3         18EE014       ELECTRICAL AND HYBRID VEHICLES       -       a,b,c,m,n       3       0       0       3         18EE015       SMART GRID TECHNOLOGIES       -       a,e,m       3       0       0       3         18EE016       FLEXIBLE AC TRANSMISSION SYSTEMS       -       a,b,c,m,n       3       0       0       3         18EE017       ILLUMINATION ENGINEERING       -       a,b,c,m,n       3       0       0       3         18EE018       ENERGY AUDITING       -       a,b,g,m,n       3       0       0       3         18EE019       RENEWABLE ENERGY SOURCES       -       c,f,g,n       3       0       0       3         18EE027       SIGNALS AND SYSTEMS       -       a,b,e,m,n       3       0       0       3         18EE028       WIND AND SOLAR ENERGY CONVERSION SYSTEM       -       -       -       3       0       0       3         18EE029       INTEGRATION OF SCIENCE AND TECHNOLOGY IN INDUSTRY 4.0<	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSG01  18HSH01  18HSJ01  DISCIPLINE E  18EE001  18EE002  18EE003  18EE004  18EE005  18EE006  18EE007  18EE008	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS VLSI DESIGN		&Outcomes  POs	L 1 1 1 1 1 1 1 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 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3
18EE013       ADVANCED CONTROL SYSTEMS       -       a,b,m,n       3       0       0       3         18EE014       ELECTRICAL AND HYBRID VEHICLES       -       a,b,c,m,n       3       0       0       3         18EE015       SMART GRID TECHNOLOGIES       -       a,e,m       3       0       0       3         18EE016       FLEXIBLE AC TRANSMISSION SYSTEMS       -       a,b,c,m,n       3       0       0       3         18EE017       ILLUMINATION ENGINEERING       -       a,b,c,m,n       3       0       0       3         18EE018       ENERGY AUDITING       -       a,b,g,m,n       3       0       0       3         18EE019       RENEWABLE ENERGY SOURCES       -       c,f,g,n       3       0       0       3         18EE027       SIGNALS AND SYSTEMS       -       a,b,e,m,n       3       0       0       3         18EE028       WIND AND SOLAR ENERGY CONVERSION SYSTEM       -       -       -       3       0       0       3         18EE029       INTEGRATION OF SCIENCE AND TECHNOLOGY IN INDUSTRY 4.0       -       a,b,c,d,e,m       3       0       0       3	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSH01  18HSJ01  DISCIPLINE E  18EE002  18EE003  18EE004  18EE005  18EE006  18EE007  18EE008  18EE009  18EE010	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES  ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS VLSI DESIGN ARTIFICIAL INTELLIGENCE TECHNIQUES		&Outcomes  POs	1 1 1 1 1 1 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 2 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3
18EE014       ELECTRICAL AND HYBRID VEHICLES       -       a,b,c,m,n       3       0       0       3         18EE015       SMART GRID TECHNOLOGIES       -       a,e,m       3       0       0       3         18EE016       FLEXIBLE AC TRANSMISSION SYSTEMS       -       a,b,c,m,n       3       0       0       3         18EE017       ILLUMINATION ENGINEERING       -       a,b,c,m,n       3       0       0       3         18EE018       ENERGY AUDITING       -       a,b,g,m,n       3       0       0       3         18EE019       RENEWABLE ENERGY SOURCES       -       c,f,g,n       3       0       0       3         18EE027       SIGNALS AND SYSTEMS       -       a,b,e,m,n       3       0       0       3         18EE028       WIND AND SOLAR ENERGY CONVERSION SYSTEM       -       -       3       0       0       3         18EE029       INTEGRATION OF SCIENCE AND TECHNOLOGY IN INDUSTRY 4.0       -       a,b,c,d,e,m       3       0       0       3	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSG01  18HSJ01  DISCIPLINE E  18EE001  18EE002  18EE003  18EE004  18EE005  18EE006  18EE007  18EE008  18EE009  18EE010  18EE011	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES  ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS VLSI DESIGN ARTIFICIAL INTELLIGENCE TECHNIQUES COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS		8.Outcomes POs	1 1 1 1 1 1 1 1 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 2 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3
18EE015       SMART GRID TECHNOLOGIES       -       a,e,m       3       0       0       3         18EE016       FLEXIBLE AC TRANSMISSION SYSTEMS       -       a,b,c,m,n       3       0       0       3         18EE017       ILLUMINATION ENGINEERING       -       a,b,c,m,n       3       0       0       3         18EE018       ENERGY AUDITING       -       a,b,g,m,n       3       0       0       3         18EE019       RENEWABLE ENERGY SOURCES       -       c,f,g,n       3       0       0       3         18EE027       SIGNALS AND SYSTEMS       -       a,b,e,m,n       3       0       0       3         18EE028       WIND AND SOLAR ENERGY CONVERSION SYSTEM       -       -       3       0       0       3         18EE029       INTEGRATION OF SCIENCE AND TECHNOLOGY IN INDUSTRY 4.0       -       a,b,c,d,e,m       3       0       0       3	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSG01  18HSH01  18HSJ01  DISCIPLINE E  18EE002  18EE003  18EE004  18EE005  18EE006  18EE007  18EE008  18EE009  18EE010  18EE011  18EE011	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES  ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS VLSI DESIGN ARTIFICIAL INTELLIGENCE TECHNIQUES COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS BIO MEDICAL INSTRUMENTATION		&Outcomes  POs	1 1 1 1 1 1 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  2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3
18EE016       FLEXIBLE AC TRANSMISSION SYSTEMS       -       a,b,c,m,n       3       0       0       3         18EE017       ILLUMINATION ENGINEERING       -       a,b,c,m,n       3       0       0       3         18EE018       ENERGY AUDITING       -       a,b,g,m,n       3       0       0       3         18EE019       RENEWABLE ENERGY SOURCES       -       c,f,g,n       3       0       0       3         18EE027       SIGNALS AND SYSTEMS       -       a,b,e,m,n       3       0       0       3         18EE028       WIND AND SOLAR ENERGY CONVERSION SYSTEM       -       -       3       0       0       3         18EE029       INTEGRATION OF SCIENCE AND TECHNOLOGY IN INDUSTRY 4.0       -       a,b,c,d,e,m       3       0       0       3	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSG01  18HSJ01  DISCIPLINE E  18EE001  18EE002  18EE003  18EE004  18EE005  18EE006  18EE007  18EE008  18EE009  18EE010  18EE011  18EE012  18EE012	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES  ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS VLSI DESIGN ARTIFICIAL INTELLIGENCE TECHNIQUES COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS BIO MEDICAL INSTRUMENTATION ADVANCED CONTROL SYSTEMS		&Outcomes  POs	L 1 1 1 1 1 1 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  2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3
18EE017       ILLUMINATION ENGINEERING       -       a,b,c,m,n       3       0       0       3         18EE018       ENERGY AUDITING       -       a,b,g,m,n       3       0       0       3         18EE019       RENEWABLE ENERGY SOURCES       -       c,f,g,n       3       0       0       3         18EE027       SIGNALS AND SYSTEMS       -       a,b,e,m,n       3       0       0       3         18EE028       WIND AND SOLAR ENERGY CONVERSION SYSTEM       -       -       3       0       0       3         18EE029       INTEGRATION OF SCIENCE AND TECHNOLOGY IN INDUSTRY 4.0       -       a,b,c,d,e,m       3       0       0       3	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSG01  18HSH01  18HSJ01  DISCIPLINE E  18EE001  18EE002  18EE003  18EE004  18EE005  18EE006  18EE007  18EE008  18EE009  18EE010  18EE011  18EE011  18EE011	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES  ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS VLSI DESIGN ARTIFICIAL INTELLIGENCE TECHNIQUES COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS BIO MEDICAL INSTRUMENTATION ADVANCED CONTROL SYSTEMS ELECTRICAL AND HYBRID VEHICLES		&Outcomes  POs	1 1 1 1 1 1 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  2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3
18EE018       ENERGY AUDITING       -       a,b,g,m,n       3       0       0       3         18EE019       RENEWABLE ENERGY SOURCES       -       c,f,g,n       3       0       0       3         18EE027       SIGNALS AND SYSTEMS       -       a,b,e,m,n       3       0       0       3         18EE028       WIND AND SOLAR ENERGY CONVERSION SYSTEM       -       -       3       0       0       3         18EE029       INTEGRATION OF SCIENCE AND TECHNOLOGY IN INDUSTRY 4.0       -       a,b,c,d,e,m       3       0       0       3	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSG01  18HSH01  18HSJ01  DISCIPLINE E  18EE001  18EE002  18EE003  18EE004  18EE005  18EE006  18EE007  18EE008  18EE009  18EE010  18EE011  18EE012  18EE013  18EE014  18EE015	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES  ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS VLSI DESIGN ARTIFICIAL INTELLIGENCE TECHNIQUES COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS BIO MEDICAL INSTRUMENTATION ADVANCED CONTROL SYSTEMS ELECTRICAL AND HYBRID VEHICLES SMART GRID TECHNOLOGIES		&Outcomes  POs	1 1 1 1 1 1 1 1 1 1 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 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3
18EE019       RENEWABLE ENERGY SOURCES       -       c,f,g,n       3       0       0       3         18EE027       SIGNALS AND SYSTEMS       -       a,b,e,m,n       3       0       0       3         18EE028       WIND AND SOLAR ENERGY CONVERSION SYSTEM       -       -       3       0       0       3         18EE029       INTEGRATION OF SCIENCE AND TECHNOLOGY IN INDUSTRY 4.0       -       a,b,c,d,e,m       3       0       0       3	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSG01  18HSH01  18HSJ01  DISCIPLINE E  18EE001  18EE002  18EE003  18EE004  18EE005  18EE006  18EE007  18EE008  18EE009  18EE010  18EE011  18EE012  18EE013  18EE014  18EE015	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES  ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS VLSI DESIGN ARTIFICIAL INTELLIGENCE TECHNIQUES COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS BIO MEDICAL INSTRUMENTATION ADVANCED CONTROL SYSTEMS ELECTRICAL AND HYBRID VEHICLES SMART GRID TECHNOLOGIES		&Outcomes  POs	1 1 1 1 1 1 1 1 1 1 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 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3
18EE027       SIGNALS AND SYSTEMS       -       a,b,e,m,n       3       0       0       3         18EE028       WIND AND SOLAR ENERGY CONVERSION SYSTEM       -       -       -       3       0       0       3         18EE029       INTEGRATION OF SCIENCE AND TECHNOLOGY IN INDUSTRY 4.0       -       a,b,c,d,e,m       3       0       0       3	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSG01  18HSH01  18HSJ01  DISCIPLINE E  18EE001  18EE002  18EE003  18EE004  18EE005  18EE006  18EE007  18EE008  18EE001  18EE011  18EE011  18EE012  18EE013  18EE014  18EE015  18EE016	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES  ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS VLSI DESIGN ARTIFICIAL INTELLIGENCE TECHNIQUES COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS BIO MEDICAL INSTRUMENTATION ADVANCED CONTROL SYSTEMS ELECTRICAL AND HYBRID VEHICLES SMART GRID TECHNOLOGIES FLEXIBLE AC TRANSMISSION SYSTEMS		&Outcomes  POs	1 1 1 1 1 1 1 1 1 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 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3
18EE028         WIND AND SOLAR ENERGY CONVERSION SYSTEM         -         -         -         3         0         0         3           18EE029         INTEGRATION OF SCIENCE AND TECHNOLOGY IN INDUSTRY 4.0         -         a,b,c,d,e,m         3         0         0         3	Code No.  LANGUAGE E 18HSC01 18HSF01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 18EE001 18EE002 18EE003 18EE004 18EE005 18EE006 18EE007 18EE008 18EE010 18EE011 18EE011 18EE012 18EE013 18EE014 18EE015 18EE016 18EE016	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES  ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS VLSI DESIGN ARTIFICIAL INTELLIGENCE TECHNIQUES COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS BIO MEDICAL INSTRUMENTATION ADVANCED CONTROL SYSTEMS ELECTRICAL AND HYBRID VEHICLES SMART GRID TECHNOLOGIES FLEXIBLE AC TRANSMISSION SYSTEMS ILLUMINATION ENGINEERING		8.Outcomes  POs	L 1 1 1 1 1 1 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  2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	C 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3
18EE028         WIND AND SOLAR ENERGY CONVERSION SYSTEM         -         -         -         3         0         0         3           18EE029         INTEGRATION OF SCIENCE AND TECHNOLOGY IN INDUSTRY 4.0         -         a,b,c,d,e,m         3         0         0         3	Code No.  LANGUAGE E 18HSC01 18HSF01 18HSG01 18HSH01 18HSJ01 DISCIPLINE E 18EE001 18EE002 18EE003 18EE004 18EE005 18EE006 18EE007 18EE008 18EE010 18EE011 18EE011 18EE012 18EE013 18EE014 18EE015 18EE016 18EE017 18EE018	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES  ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS VLSI DESIGN ARTIFICIAL INTELLIGENCE TECHNIQUES COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS BIO MEDICAL INSTRUMENTATION ADVANCED CONTROL SYSTEMS ELECTRICAL AND HYBRID VEHICLES SMART GRID TECHNOLOGIES FLEXIBLE AC TRANSMISSION SYSTEMS ILLUMINATION ENGINEERING ENERGY AUDITING		8.Outcomes  POs	L 1 1 1 1 1 1 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  2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	C 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3
18EE029 INTEGRATION OF SCIENCE AND TECHNOLOGY IN INDUSTRY 4.0 - a,b,c,d,e,m 3 0 0 3	Code No.  LANGUAGE E 18HSC01 18HSF01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 18EE001 18EE002 18EE003 18EE004 18EE005 18EE006 18EE007 18EE008 18EE009 18EE010 18EE011 18EE011 18EE012 18EE013 18EE014 18EE015 18EE016 18EE017 18EE018	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES  ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS VLSI DESIGN ARTIFICIAL INTELLIGENCE TECHNIQUES COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS BIO MEDICAL INSTRUMENTATION ADVANCED CONTROL SYSTEMS ELECTRICAL AND HYBRID VEHICLES SMART GRID TECHNOLOGIES FLEXIBLE AC TRANSMISSION SYSTEMS ILLUMINATION ENGINEERING ENERGY AUDITING RENEWABLE ENERGY SOURCES		8.Outcomes  POs	L 1 1 1 1 1 1 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  2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3
	Code No.  LANGUAGE E 18HSC01 18HSF01 18HSF01 18HSH01 18HSJ01 DISCIPLINE E 18EE002 18EE003 18EE004 18EE005 18EE006 18EE007 18EE008 18EE009 18EE010 18EE011 18EE011 18EE012 18EE013 18EE014 18EE015 18EE016 18EE017 18EE018 18EE019 18EE019	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES  ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS VLSI DESIGN ARTIFICIAL INTELLIGENCE TECHNIQUES COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS BIO MEDICAL INSTRUMENTATION ADVANCED CONTROL SYSTEMS ELECTRICAL AND HYBRID VEHICLES SMART GRID TECHNOLOGIES FLEXIBLE AC TRANSMISSION SYSTEMS ILLUMINATION ENGINEERING ENERGY AUDITING RENEWABLE ENERGY SOURCES SIGNALS AND SYSTEMS		8.Outcomes  POs	L 1 1 1 1 1 1 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  2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3
	Code No.  LANGUAGE E  18HSC01  18HSF01  18HSF01  18HSH01  18HSJ01  DISCIPLINE E  18EE002  18EE003  18EE004  18EE005  18EE006  18EE007  18EE008  18EE010  18EE011  18EE011  18EE012  18EE013  18EE014  18EE015  18EE016  18EE017  18EE018  18EE019  18EE019  18EE019	CHINESE FRENCH GERMAN HINDI JAPANESE LECTIVES  ADVANCED POWER SEMICONDUCTOR DEVICES SPECIAL ELECTRICAL MACHINES HIGH VOLTAGE ENGINEERING POWER SYSTEM CONTROL POWER QUALITY ENERGY STORAGE SYSTEMS POWER PLANT INSTRUMENTATION AND CONTROL INDUSTRIAL ELECTRONICS VLSI DESIGN ARTIFICIAL INTELLIGENCE TECHNIQUES COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS BIO MEDICAL INSTRUMENTATION ADVANCED CONTROL SYSTEMS ELECTRICAL AND HYBRID VEHICLES SMART GRID TECHNOLOGIES FLEXIBLE AC TRANSMISSION SYSTEMS ILLUMINATION ENGINEERING ENERGY AUDITING RENEWABLE ENERGY SOURCES SIGNALS AND SYSTEMS WIND AND SOLAR ENERGY CONVERSION SYSTEM		## Application   ## App	L 1 1 1 1 1 1 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  2 2 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3

ONE CREDIT O	COURSES						
	EMBEDDED CONTROL OF ELECTRIC DRIVES	-	a,c,d	0	0	0	1
	DESIGN OF EMBEDDED SYSTEM FOR DC MOTOR CONTROL	-	a,b,c,d	0	0	0	1
18EE0XC	INDUSTRIAL AUTOMATION	-	a,e,f,g,k	0	0	0	1
18EE0XD	QUALITY MANAGEMENT SYSTEM	-	-	0	0	0	1
18EE0XE	PRODUCT LIFECYCLE MANAGEMENT	-	g,k	0	0	0	1
18EE0XF	APPLICATIONS OF SYNCHRONOUS GENERATOR IN INDUSTRIES	-	a,c,d,e	0	0	0	1
18EE0XG	REACTIVE POWER MANAGEMENT AND ENERGY STORAGE DEVICES	-	a,c,d	0	0	0	1
18EE0XH	SUBSTATION DESIGN	-	a,b	0	0	0	1
18EE0XI	DESIGN OF GRID TIED SOLAR PV SYSTEM	-	-	0	0	0	1
18EE0XJ	DESIGN OF INDOOR AND OUTDOOR LIGHTING USING DIALUX	-	a,c,d,e	0	0	0	1
OPEN ELECTIV	VES						
18EE0YA	ENERGY CONSERVATION AND MANAGEMENT	-	a,b,g,i,k	3	0	0	3
18EE0YB	ELECTRICAL SAFETY	-	f,g,m,n	3	0	0	3
18EE0YC	INDUSTRIAL DRIVES AND CONTROL	-	b,c,e,m,n	3	0	0	3
18GE0C1	CORROSION SCIENCE AND ENGINEERING	-	a,b,g	3	0	0	3
18GE0C2	ENERGY STORING DEVICES	-	a,b	3	0	0	3
18GE0C3	POLYMER SCIENCE	-	a,b,c	3	0	0	3
18GE0P1	NANOMATERIALS SCIENCE	-	-	3	0	0	3
18GE0P2	SEMICONDUCTOR PHYSICS AND DEVICES	-	-	3	0	0	3
18GE0P3	APPLIED LASER SCIENCE	-	-	3	0	0	3
18GE0P4	BIO-PHOTONICS	-	-	3	0	0	3
18GE0P5	PHYSICS OF SOFT MATTER	-	-	3	0	0	3
ADDITIONAL C	DNE CREDIT COURSE						
18GE0XA	ETYMOLOGY	-	-	1	0	0	1
18GE0XB	GENERAL PSYCHOLOGY	-	-	1	0	0	1
18GE0XC	NEURO BEHAVIORAL SCIENCE	-	i	1	0	0	1
18GE0XD	VISUAL MEDIA AND FILM MAKING	-	b,f	1	0	0	1
18GE0XE	YOGA FOR HUMAN EXCELLENCE	-	-	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 VERMICOMPOSTING	-	-	1	0	0	1
18GE0XI	BLOG WRITING	-	f,g,j	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	-	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	1
18GE0XO	SOCIAL PSYCHOLOGY	-	i	1	0	0	1
18GE0XP	FM RADIO BROADCASTING TECHNOLOGY	-	-	1	0	0	1
DISCIPLINE EL	ECTIVES						
18EE020	AUTOMOTIVE ELECTRONICS	-	a,c,e,m	3	0	0	3
18EE021	COMPUTER NETWORKING	-	a,b,c,m	3	0	0	3
	INTERNET OF THINGS	-	a,b,c,d,e,m	3	0	0	3
18EE023	DIGITAL IMAGE PROCESSING	-	c,d,e,m,n	3	0	0	3
18EE024	COMMUNICATION ENGINEERING	-	a,b,c,m	3	0	0	3
18EE025	AUTOMATION AND CONTROL	-	a,b,c,m	3	0	0	3
18EE026	SIGNALS AND SYSTEMS	-	a,b,m	3	0	0	3
18EE030	ELECTRIC VEHICLE CHARGING TECHNOLOGY	-	a,b,c,m	3	0	0	3
LANGUAGE EI							
18HS201	COMMUNICATIVE ENGLISH II	-	i,j	1	0	2	2
OPEN ELECTIV							
	NON-DESTRUCTIVE TESTING	-	-	3	0	0	3
18AE0YB	SMART MATERIALS	-	-	3	0	0	3
18AE0YC	FUNDAMENTALS OF AIRCRAFT ENGINEERING	-	-	3	0	0	3
18AG0YA	ENTREPRENEURSHIP DEVELOPMENT AND FOOD QUALITY MANAGEMENT FOOD INDUSTRY	-	-	3	0	0	3
18AG0YB	HUMAN ENGINEERING AND SAFETY IN AGRICULTURE	-	-	3	0	0	3
18AG0YC	ENERGY MANGEMENT IN AGRICULTURE	-	-	3	0	0	3
18AG0YD	FARM MECHANISATION	-	-	3	0	0	3
18AU0YA	AUTOMOTIVE ENGINEERING	-	-	3	0	0	3
18AU0YB	VEHICLE CONTROL SYSTEMS	-	-	3	0	0	3
18AU0YC	PUBLIC TRANSPORT MANAGEMENT	-	-	3	0	0	3
18AU0YD	TECHNOLOGIES FOR GREEN MOBILITY	-	-	3	0	0	3
18AU0YE	TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES	-	-	3	0	0	3
	BIOFUELS	-	-	3	0	0	3
18BT0YB	MUSHROOM CULTIVATION AND VERMICOMPOSTING	-	-	3	0	0	3
						-	

18BT0YC	FORENSIC TECHNOLOGY	1		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	<del> </del>		3	0	0	3
		<u> </u>					·
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	<u> </u>	_	3	0	0	3
18CS0YE	AGENT BASED INTELLIGENT SYSTEMS			3	0	0	3
		<u> </u>	-				
18CS0YF	E-BUSINESS	<u>-</u>	-	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	<del> </del>	_	3	0	0	3
18EC0YD	MICROCONTROLLER PROGRAMMING	<u> </u>			0	0	3
		-	-	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	<u> -</u>	-	3	0	0	3
18EC0YJ	PRINCIPLES OF COMPUTER COMMUNICATION AND NETWORKS	-	-	3	0	0	3
18EI0YA	PROGRAMMABLE LOGIC CONTROLLERS	-	-	3	0	0	3
18EI0YB	SENSOR TECHNOLOGY			3	0	0	3
		<u> </u>	-				-
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	<del> </del> -	-	3	0	0	3
	FASHION VISUAL MERCHANDISING	-	_	3	0	0	3
18FT0YD	INTERIOR DESIGN			3	0	0	3
		<u> </u>	-				
18FT0YE	SURFACE EMBELLISHMENT	<u>-</u>	-	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
18ITOYA	DATABASE MANAGEMENT SYSTEMS	<del> </del> -	-	3	0	0	3
18IT0YB	DATA STRUCTURES AND ALGORITHMS	<del> </del> -	<del> </del>	3	0	0	3
18IT0YC	DATA STRUCTURES AND ALGORITHMS  DATA SCIENCES AND ANALYTICS	<u> </u>		3	0	0	3
		<u> </u>					
18IT0YD	OBJECT ORIENTED PROGRAMMING	-	-	3	0	0	3
18IT0YE	ARTIFICIAL INTELLIGENCE	-	-	3	0	0	3
18ME0YA	INDUSTRIAL PROCESS ENGINEERING	<u> -</u>	-	3	0	0	3
18ME0YB	SAFETY ENGINEERING	-	-	3	0	0	3
18ME0YC	MAINTENANCE ENGINEERING	-	-	3	0	0	3
18ME0YD	BASICS OF NON-DESTRUCTIVE TESTING	-	-	3	0	0	3
18ME0YE	DIGITAL MANUFACTURING	-	-	3	0	0	3
18ME0YF	WORK STUDY AND ERGONOMICS	-	-	3	0	0	3
18ME0YG	METROLOGY IN INDUSTRY	1.	_	3	0	0	3
		ľ	-				
18ME0YH	PLANT LAYOUT AND MATERIAL HANDLING	<u> </u>	-	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	1-	-	3	0	0	3
18TT0YA	YARN AND FABRIC MANUFACTURE	-	-	3	0	0	3
		+	<b> </b>	3	0	0	3
18TT0YB	COLOURATION OF TEXTILES	I-	-				

I	18TT0YC	TEXTILES IN ENGINEERING APPLICATION	-	-	3	0	0	3
ſ	18TT0YD	GENERAL TEXTILE TECHNOLOGY	-	-	3	0	0	3