<table>
<tr><td colspan="8">B.E. BIOMEDICAL ENGINEERING
Minimum Credits to be Earned 169.0</td></tr>
</table>

First Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	**POs**				
19BM101	ENGINEERING MATHEMATICS I	I,III	a,b	3	1	0	4
19BM102	ENGINEERING PHYSICS	I,II,III,IV	a,b,i	2	0	2	3
19BM103	ENGINEERING CHEMISTRY I	I,III	a,b,c,e	2	0	2	3
19BM104	PROGRAMMING LANGUAGE I	I,III	a,b,e	2	0	2	3
19BM106	ENGINEERING GRAPHICS	I,III	a,b	1	0	4	3
			Total	10	1	10	16.0

Second Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	**POs**				
19BM201	ENGINEERING MATHEMATICS II	I,III	a,b	3	1	0	4
19BM202	MEDICAL PHYSICS	I,II,III,IV	a,b,c,e,f,m,n,o	3	0	0	3
19BM203	ENGINEERING CHEMISTRY II	I,III	a,b	2	0	2	3
19BM204	ELECTRIC CIRCUIT ANALYSIS	I,III	a,b,c	3	1	0	4
	LANGUAGE ELECTIVES	-	-	-	-	-	2
19BM206	PROGRAMMING LANGUAGE II	I,III	a,b,e	2	0	2	3
19BM207	ENGINEERING PRACTICES LABORATORY	I,II,III,IV	a,b,c,e,k,m,n,o	0	0	4	2
			Total	13	2	8	21.0

Third Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	**POs**				
19BM301	ENGINEERING MATHEMATICS III	I,III	a,b,c,l	3	1	0	4
19BM302	SENSORS AND MEASUREMENTS	I,II,III,IV	a,b,c,d,f,m,n,o	3	1	0	4
19BM303	HUMAN ANATOMY AND PHYSIOLOGY	I,III,IV	a,c,e,m,n	3	0	0	3
19BM304	ELECTRON DEVICES AND CIRCUITS	I,II,III,IV	a,b,c,e,f,l,m,n,o	3	1	0	4
19BM305	SIGNALS AND SYSTEMS	I,III	a,b,d,m	3	1	0	4
19BM306	HOSPITAL SYSTEM MANAGEMENT	I,II,III,IV	a,c,d,e,f,g,h,i,j,k,l,m,n,o	3	0	0	3
19BM307	SENSORS AND MEASUREMENTS LABORATORY	I,II,III,IV	a,b,c,d,e,f,g,h,i,l,m,n,o	0	0	2	1
19BM308	ELECTRON DEVICES AND CIRCUITS LABORATORY	I,III,IV	a,b,c,d,l,m,n	0	0	2	1
18GE301	SOFT SKILLS - VERBAL ABILITY	-	-	2	0	0	0
			Total	20	4	4	24.0

Fourth Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	**POs**				
19BM401	ENGINEERING MATHEMATICS IV	I,III	a,b	3	1	0	4
19BM402	ANALOG AND DIGITAL ELECTRONICS	I,III,IV	a,b,c,m,n	3	1	0	4
19BM403	BIOSIGNAL PROCESSING	I,II,III,IV	a,b,c,d,e,f,m,n,o	3	1	0	4
19BM404	BIOMEDICAL INSTRUMENTATION	I,II,III,IV	a,b,c,d,e,f,m,n,o	3	0	0	3
19BM405	BIOCHEMISTRY, PATHOLOGY AND MICROBIOLOGY	I,II,III,IV	a,c,i,l,m,n,o	3	0	0	3
19BM406	PYTHON PROGRAMMING	I,II,III,IV	a,b,c,d,e,f,l	2	0	2	3
19BM407	BIOSIGNAL PROCESSING LABORATORY	I,II,III,IV	a,b,c,d,e,f,m,n,o	0	0	2	1
19BM408	BIOCHEMISTRY AND PHYSIOLOGY LABORATORY	I,II,III,IV	a,b,c,d,e,f,g,h,i,l,m,n	0	0	2	1
18GE401	SOFT SKILLS-REASONING	I	a	2	0	0	0
18HS001	ENVIRONMENTAL SCIENCE	I,III	a,b	2	0	0	0
			Total	21	3	6	23.0

Fifth Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	**POs**				
19BM501	BIO CONTROL SYSTEM	I,III,IV	a,b,c,d,m,n	3	1	0	4
19BM502	DIAGNOSTIC AND THERAPEUTIC EQUIPMENTS I	I,II,III,IV	a,b,c,d,e,f,g,h,i,k,l,m,n,o	3	0	2	4
19BM503	BIOMATERIALS AND ARTIFICIAL ORGANS	I,II,III,IV	b,c,d,f,g,m,n,o	3	0	0	3
19BM504	MICROCONTROLLERS	I,III	a,b,c,d,e	3	1	0	4
	PROFESSIONAL ELECTIVE I	-	-	-	-	-	3
	PROFESSIONAL ELECTIVE II	-	-	-	-	-	3

19BM507	DIAGNOSTIC AND THERAPEUTIC EQUIPMENTS LABORATORY	I,II,III,IV	a,b,c,d,e,f,h,i,k,m	0	0	2	1
19BM508	MICROCONTROLLERS AND IOT LABORATORY	I,II,III,IV	a,b,c,d,e,f,i,k,l,m,n,o	0	0	2	1
18GE501	SOFT SKILLS - APTITUDE I	-	-	0	0	2	0
			Total	12	2	8	23.0

Sixth Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	POs				
18HS003	PRINCIPLES OF MANAGEMENT	-	-	2	0	0	2
19BM602	IMAGE PROCESSING	I,II,III,IV	a,b,c,m,n,o	3	1	0	4
19BM603	DIAGNOSTIC AND THERAPEUTIC EQUIPMENTS II	I,II,III,IV	a,b,c,m,n,o	3	0	1	4
19BM604	PATTERN RECOGNITION TECHNIQUES	I,II,III,IV	a,b,c,e,m,n,o	3	1	0	4
19BM607	IMAGE PROCESSING LABORATORY	I,II,III,IV	a,b,c,m,n,o	0	0	2	1
19BM608	HOSPITAL TRAINING	I,II,IV	g,h,i,j	0	0	2	1
18GE601	SOFT SKILLS-APTITUDE II	-	-	0	0	2	0
	PROFESSIONAL ELECTIVE III	-	-	-	-	-	3
	PROFESSIONAL ELECTIVE IV	-	-	-	-	-	3
			Total	11	2	7	22.0

Seventh Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	POs				
18HS002	PROFESSIONAL ETHICS IN ENGINEERING	-	-	2	0	0	2
19BM702	REHABILITATION ENGINEERING	I,II,III,IV	a,b,c,h,i,j,l,m,n	3	0	0	3
19BM703	BIOMECHANICS	I	a	3	1	0	4
19BM704	MEDICAL INFORMATICS	I,II,III,IV	a,b,c,e,h,i,j,l,m,n	3	0	0	3
	PROFESSIONAL ELECTIVE V	-	-	-	-	-	3
	PROFESSIONAL ELECTIVE VI	-	-	-	-	-	3
19BM707	BIOMECHANICS LABORATORY	I	a	0	0	2	1
19BM708	PROJECT WORK I	-	-	0	0	6	3
			Total	11	1	8	22.0

Eight Semester

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	POs				
19BM804	PROJECT WORK II	I,II,III,IV	a,b,c,d,e,f,g,h,i,j,k,l	0	0	18	9
	PROFESSIONAL ELECTIVE VII	-	-	-	-	-	3
	PROFESSIONAL ELECTIVE VIII	-	-	-	-	-	3
	PROFESSIONAL ELECTIVE IX	-	-	-	-	-	3
			Total	0	0	18	18.0

Electives

Code No.	Course	Objectives &Outcomes		L	T	P	C
		PEOs	POs				

LANGUAGE ELECTIVES

Code No.	Course	PEOs	POs	L	T	P	C
18HS201	COMMUNICATIVE ENGLISH II	-	-	1	0	2	2
18HSC01	CHINESE	II	j	1	0	2	2
18HSF01	FRENCH	II	j	1	0	2	2
18HSG01	GERMAN	II	j	1	0	2	2
18HSJ01	JAPANESE	II	j	1	0	2	2
19HSC01	CHINESE	II	j	1	0	2	2
19HSF01	FRENCH	II	j	1	0	2	2
19HSG01	GERMAN	II	j	1	0	2	2
19HSH01	HINDI	II	j	1	0	2	2
19HSJ01	JAPANESE	II,IV	i,j,k	1	0	2	2

DISCIPLINE ELECTIVES

Code No.	Course	PEOs	POs	L	T	P	C
19BM001	BRAIN COMPUTER INTERFACE	I,II,III,IV	a,b,c,d,e,m,n,o	3	0	0	3
19BM002	ARTIFICIAL INTELLIGENCE	I,II,III,IV	a,b,c,d,m,n,o	3	0	0	3
19BM003	VIRTUAL REALITY IN MEDICINE	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
19BM004	MEDICAL ROBOTICS	I,II,III,IV	a,b,c,l,m,n,o	3	0	0	3
19BM005	ADVANCED MEDICAL IMAGE ANALYSIS	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
19BM006	COMPUTATIONAL NEUROSCIENCE	I,II,III,IV	a,b,c,f,l,m,n,o	3	0	0	3
19BM007	ELECTRO MAGNETIC INTERFERENCE AND COMPATIBILITY	I,II,III,IV	a,b,c,d,f,h,m,n	3	0	0	3
19BM008	EMBEDDED AND REAL TIME SYSTEMS	I,II,III,IV	a,b,c,d,e,m,n,o	3	0	0	3.0
19BM009	VLSI DESIGN	I,II,III,IV	a,b,c,m,n,o	3	0	0	3

19BM010	NANO ELECTONICS	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
19BM011	ERGONOMICS	I,II,III,IV	a,b,d,f,m,n,o	3	0	0	3
19BM012	FINITE ELEMENT ANALYSIS	I,II,III,IV	a,b,c,d,m,n,o	3	0	0	3
19BM013	BIO-FLUID DYNAMICS	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
19BM014	CARDIOVASCULAR ENGINEERING	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
19BM015	PHYSIOLOGICAL MODELING	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
19BM016	TISSUE ENGINEERING	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
19BM017	PROSTHETIC AND ORTHITIC DEVICES	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
19BM018	MEDICAL OPTICS	I,II,III,IV	a,b,m,n,o	3	0	0	3
19BM019	FIBER OPTICS AND LASER INSTRUMENTSIN MEDICINE	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
19BM020	BIOMETRIC SYSTEMS	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
19BM021	WEARABLE SYSTEMS	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
19BM022	BODY AREA NETWORKS	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
19BM023	TELEMEDICINE AND MEDICAL IOT	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
19BM024	MEDICAL EQUIPMENTS MAINTENANCE AND TROUBLESHOOTING	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
19BM025	MEDICAL WASTE MANAGEMENT	I,II,III,IV	a,b,f,m	3	0	0	3
19BM026	MEDICAL ETHICS AND STANDARDS	I,II,III,IV	a,b,c,h,m,n	3	0	0	3
19BM027	MEDICAL DEVICE DESIGN	I,III,IV	a,b,n	3	0	0	3
19BM028	VIRTUAL INSTRUMENTATION	I,II,III,IV	a,l,m,n,o	3	0	0	3
ENTREPRENEURSHIP ELECTIVES							
18GE0E1	ENTREPRENEURSHIP DEVELOPMENT I	-	-	3	0	0	3
18GE0E2	ENTREPRENEURSHIP DEVELOPMENT II	I,II,III,IV	c,e,h,j,k,l,o	3	0	0	3
ONE CREDIT COURSES							
19BM0XA	3D PRINTING	I,II,III,IV	a,b,c,m,n,o	1	0	0	1
19BM0XB	BIOMIMETICS	I,II,III,IV	a,b,c,h,m,n	1	0	0	1
19BM0XD	INTRODUCTION TO HEALTHCARE SYSTEMS ENGINEERING	I,II,III,IV	a,b,d,f,n	1	0	0	1
19BM0XE	HEALTH INFORMATICS AND MEDICAL TECHNOLOGY	-	-	1	0	0	1
MATHEMATICS ELECTIVES							
18GE0M1	GRAPH THEORY AND COMBINATORICS	I,III	a,b	3	0	0	3
18GE0M2	ALGEBRA AND NUMBER THEORY	I,III	a,b	3	0	0	3
18GE0M3	MATHEMATICAL FINANCE AND QUEUEING THEORY	I,III	a,b	3	0	0	3
OPEN ELECTIVES							
18GE0C1	CORROSION SCIENCE AND ENGINEERING	-	-	3	0	0	3
18GE0C2	ENERGY STORING DEVICES	-	-	3	0	0	3
18GE0C3	POLYMER SCIENCE	-	-	3	0	0	3
18GE0P1	NANOMATERIALS SCIENCE	-	-	3	0	0	3
18GE0P2	SEMICONDUCTOR PHYSICS AND DEVICES	-	-	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
19BM0YA	AMBULANCE AND EMERGENCY MEDICAL SERVICE MANAGEMENT	I,III,IV	a,b,c,d,e,k,m,n	3	0	0	3
19BM0YB	HOSPITAL AUTOMATION	I,II,III,IV	a,b,c,m,n,o	3	0	0	3
ADDITIONAL ONE CREDIT COURSE							
18GE0XA	ETYMOLOGY	-	-	1	0	0	1
18GE0XB	GENERAL PSYCHOLOGY	-	-	1	0	0	1
18GE0XC	NEURO BEHAVIORAL SCIENCE	-	-	1	0	0	1
18GE0XD	VISUAL MEDIA AND FILM MAKING	II,IV	i	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	-	-	1	0	0	1
18GE0XJ	INTERPERSONAL SKILLS	-	-	1	0	0	1
18GE0XK	NEW AGE INNOVATION AND ENTREPRENEURSHIP	-	-	1	0	0	1
18GE0XL	NATIONAL CADET CORPS	-	-	1	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	-	-	1	0	0	1
18GE0XP	FM RADIO BROADCASTING TECHNOLOGY	-	-	1	0	0	1
LANGUAGE ELECTIVES							
18HSH01	HINDI	II	j	1	0	2	2
ONE CREDIT COURSES							
19BM0XC	MEDICAL EQUIPMENTS TROUBLESHOOTING AND CALIBRATION	I,II,III,IV	a,b,c,n,o	1	0	0	1
CORE-LABORATORY							
19HS101	COMMUNICATIVE ENGLISH I	-	-	1	0	2	2
LANGUAGE ELECTIVES							

19HS201	COMMUNICATIVE ENGLISH II	-	-	1	0	2	2
OPEN ELECTIVES							
18AE0YA	NON-DESTRUCTIVE TESTING	-	-	3	0	0	3
18AE0YB	SMART MATERIALS	-	-	3	0	0	3
18AE0YC	FUNDAMENTALS OF AIRCRAFT ENGINEERING	-	-	3	0	0	3
18AG0YA	ENTREPRENEURSHIP DEVELOPMENT AND FOOD QUALITY MANAGEMENT FOOD INDUSTRY	-	-	3	0	0	3
18AG0YB	HUMAN ENGINEERING AND SAFETY IN AGRICULTURE	-	-	3	0	0	3
18AG0YC	ENERGY MANGEMENT IN AGRICULTURE	-	-	3	0	0	3
18AG0YD	FARM MECHANISATION	-	-	3	0	0	3
18AU0YA	AUTOMOTIVE ENGINEERING	-	-	3	0	0	3
18AU0YB	VEHICLE CONTROL SYSTEMS	-	-	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
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	-	-	3	0	0	3
18CS0YG	KNOWLEDGE DISCOVERY IN DATABASES	-	-	3	0	0	3
18CS0YH	SOCIAL NETWORK ANALYSIS CONCEPTS	-	-	3	0	0	3
18CS0YI	OPERATING SYSTEM CONCEPTS	-	-	3	0	0	3
18CS0YJ	OBJECT ORIENTED PROGRAMMING	-	-	3	0	0	3
18EC0YA	BASICS OF ANALOG AND DIGITAL ELECTRONICS	-	-	3	0	0	3
18EC0YB	AUTOMOTIVE ELECTRONICS	-	-	3	0	0	3
18EC0YC	PCB DESIGN AND PROTOTYPING	-	-	3	0	0	3
18EC0YD	MICROCONTROLLER PROGRAMMING	-	-	3	0	0	3
18EC0YE	ENGINEERING COMPUTATION WITH MATLAB	-	-	3	0	0	3
18EC0YF	BASICS OF HARDWARE DESCRIPTION LANGUAGES	-	-	3	0	0	3
18EC0YG	FUNDAMENTALS OF EMBEDDED SYSTEMS	-	-	3	0	0	3
18EC0YH	PRINCIPLES OF COMMUNICATION SYSTEMS	-	-	3	0	0	3
18EC0YI	ELECTRONIC PRODUCT DESIGN AND PACKAGING	-	-	3	0	0	3
18EC0YJ	PRINCIPLES OF COMPUTER COMMUNICATION AND NETWORKS	-	-	3	0	0	3
18EE0YA	ENERGY CONSERVATION AND MANAGEMENT	-	-	3	0	0	3
18EE0YB	ELECTRICAL SAFETY	-	-	3	0	0	3
18EE0YC	INDUSTRIAL DRIVES AND CONTROL	-	-	3	0	0	3
18EI0YA	PROGRAMMABLE LOGIC CONTROLLERS	-	-	3	0	0	3
18EI0YB	SENSOR TECHNOLOGY	-	-	3	0	0	3
18EI0YC	FUNDAMENTALS OF VIRTUAL INSTRUMENTATION	-	-	3	0	0	3
18EI0YD	OPTOELECTRONICS AND LASER INSTRUMENTATION	-	-	3	0	0	3
18FD0YA	TRADITIONAL FOODS	-	-	3	0	0	3
18FD0YB	FOOD LAWS AND REGULATIONS	-	-	3	0	0	3
18FD0YC	POST HARVEST TECHNOLOGY OF FRUITS AND VEGETABLES	-	-	3	0	0	3
18FT0YA	FASHION CRAFTS	-	-	3	0	0	3
18FT0YB	FASHION ACCESSORIES	-	-	3	0	0	3
18FT0YC	FASHION VISUAL MERCHANDISING	-	-	3	0	0	3
18FT0YD	INTERIOR DESIGN	-	-	3	0	0	3
18FT0YE	SURFACE EMBELLISHMENT	-	-	3	0	0	3
18GE01	BUSINESS ANALYTICS	-	-	3	0	0	3
18GE02	INDUSTRIAL SAFETY	-	-	3	0	0	3
18GE03	OPERATIONS RESEARCH	-	-	3	0	0	3
18GE04	COST MANAGEMENT OF ENGINEERING PROJECTS	-	-	3	0	0	3
18GE05	COMPOSITE MATERIALS	-	-	3	0	0	3
18GE06	WASTE TO ENERGY	-	-	3	0	0	3

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