



DEPARTMENT OF BIO – MEDICAL ENGINEERING

REGULATION 2014-15

Course Code	Course Name
I SEMESTER	
T101	Mathematics - I
T102	Physics
T103	Chemistry
T110	Basic Civil and Mechanical Engineering
T111	Engineering Mechanics
T112	Communicative English
P104	Physics Lab
P105	Chemistry Lab
P106	Workshop Practice
II SEMESTER	
T107	Mathematics – II
T108	Material Science
T109	Environmental Science
T104	Basic Electrical and Electronics Engineering
T105	Engineering Thermodynamics
T106	Computer Programming
P101	Computer Programming Laboratory
P102	Engineering Graphics
P103	Basic Electrical and Electronics Laboratory
P107	NSS/NCC

III SEMESTER	
MA T31	Mathematics – III
BM T32	Electric Circuit Analysis
BM T33	Electronic Devices and Circuits
BM T34	Human Anatomy and Physiology
BM T35	Data Structures and Object Oriented Programming
BM T36	Bio Chemistry
BM P31	Electronic Devices and Circuits Lab
BM P32	Biochemistry and Human Physiology lab
BM P33	Data structures and Object Oriented Programming Lab
IV SEMESTER	
MA T41	Mathematics IV
BM T42	Medical Physics
BM T43	Digital Logic Theory and Design
BM T44	Electrical and Electronic Instruments
BM T45	Linear Integrated Circuits
BM T46	Biomedical Sensors and Transducers
BM P41	Linear and Digital Integrated Circuits Lab
BM P42	Biomedical Sensors and Transducers lab
BM P43	Simulation Lab
BM P44	Physical Education
V SEMESTER	
BM T51	Probability and Random Processes
BM T52	Bio Control Systems
BM T53	Pathology and Microbiology
BM T54	Microprocessor and Its Applications
BM T55	Medical Instrumentation
BM E56	Elements of Biotechnology
BM P51	Medical Instrumentation Lab
BM P52	Pathology and Microbiology Lab
BMP53	Microprocessor & its Applications Lab

BMP 54	General Proficiency-I
VI SEMESTER	
BM T61	Diagonstic and Therapeutic Equipments
BM T62	Telemedicine
BM T63	Biomedical Signal Processing
BM T64	Embedded System Design
BM T65	Medical Informatics and Expert System
BM E63	Medical Imaging Techniques
BM P61	Diagonstic and Therapeutic Equipments Lab
BM P62	Biomedical Signal Processing Lab
BM P63	System Design Using Microcontrollers Lab
BM P64	General Proficiency –II
VII SEMESTER	
BM T71	Biomaterials and Artificial Organs
BM T72	Digital Image Processing
BM E75	Radiological Equipment
BM E76	Medical Optics
BM P71	Digital Image Processing Lab
BM P72	Seminar
BM P73	Industrial Visit/ Training
BM PW7	Project Work Phase- I
VIII SEMESTER	
BM T81	Professional Ethics Practice
BM T82	Hospital Safety and Management
BM T83	Biomechanics
BM E87	Rehabilitation Engineering
BM P81	Comprehensive Viva- Voce
BM PW8	Project Work Phase- II