

Program: B.Tech (Biomedical Engineering)

Semester III

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Sub. Total	Credit	Total Credits	Attributes						SDGs	
				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics
THEORIES																					
1	EC231	Fundamental of Biomedical Electronics	DC	3	1	0	40	20	60	40	100	3:1:0	4			√				3,4,6,8,9,12,16,17	
2	EC232	Fundamentals of Circuits and Networks	DC	3	1	0	40	20	60	40	100	3:1:0	4	√		√				3,4,11,12	
3	MT201	Engineering Mathematics-III	DC	3	1	0	40	20	60	40	100	3:1:0	4			√				3,4,11,12	
4	BE272	Human Anatomy and Physiology for Engineers	DC	3	1	0	40	20	60	40	100	3:1:0	4			√				3,4	
5	CS203	Cyber Law & Information Security	ESA	2	1	0	40	20	60	40	100	2:1:0	3	√		√				4,9	
6	BE273	Biochemical Analysis and Techniques	DC	3	1	0	40	20	60	40	100	3:1:0	4	√		√				3,4,8,9	
7	ES202	Disaster Management	ESA	2	1	0	40	20	60	40	100	2:1:0	3			√		√		3,4,8,9	
8	BM226	Human Values & Professional Ethics	HM	3	0	0	40	20	60	40	100	0:0:0	0	√		√			√	√	1,2,3,4,5,6,7,8,11,12
PRACTICALS																					
9	BE274	Human Anatomy and physiology Lab	ESA	0	0	2	40	20	60	40	100	0:0:1	1			√				3,4,8,9	
10	EC233	Electronics Circuits Lab	DC	0	0	2	40	20	60	40	100	0:0:1	1			√				4,9	
11	EC249	Circuit Theory Lab	DC	0	0	2	40	20	60	40	100	0:0:1	1			√				4,9	
Total				22	7	6	400	200	600	400	1000	29	29								

Semester IV

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Sub. Total	Credit	Total Credits	Attributes							SDGs
				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
THEORIES																					
1	BE275	Biomechanics	DC	3	1	0	40	20	60	40	100	3:1:0	4	√						3,5,6,8,11,12,13	
2	BE276	Biomedical Signals and Systems	DC	3	1	0	40	20	60	40	100	3:1:0	4	√		√				3,4,9	
3	EC235	Digital Logic circuits for Clinical Engineers	DC	2	1	0	40	20	60	40	100	2:1:0	3	√		√				3,4,9	
4	EC239	Biomedical Sensors and Measurement	DC	2	1	0	40	20	60	40	100	2:1:0	3	√						3,4,9	
5	BE277	Biomaterials and Artificial Organs	DC	3	1	0	40	20	60	40	100	3:1:0	4	√						1,2,3,4,6,7,9,10,12,13,15,17	
6	BM227	Management concepts in engineering	ESA	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√				1,2,3,4,5,6,8,9,10,11,12,13,14,15,16,17	
PRACTICAL																					
7	EC237	Digital Logic Lab	DC	0	0	2	40	20	60	40	100	0:0:1	1	√		√				4,9	
9	EC238	Bio Instrumentation Lab	DC	0	0	2	40	20	60	40	100	0:0:1	1	√	√	√				3,4,6,9	
10	BE278	Biomaterials & Biomechanics Laboratory	DC	0	0	2	40	20	60	40	100	0:0:1	1	√	√	√				1,2,3,4,6,7,8,10,11,12,13,14,15,17	
Total				15	6	6	360	180	540	360	900	24	24								