

# GUJARAT TECHNOLOGICAL UNIVERSITY

## M.E. Biomedical Engineering

### PROPOSED TEACHING SCHEME

#### Semester II

SR. No.	SUBJECT	TEACHING SCHEME (HOURS)			CREDITS
		THEORY	TUTORIAL	PRACTICAL	
1	Virtual Biomedical Instrumentation System	4	0	2	5
2	Advanced Biomedical Imaging	4	0	2	5
3	Major Elective-II	3	0	2	4
4	Major Elective -III	3	0	2	4
5	Interdisciplinary Elective-II	3	0	2	4
6	Principles of Management	3	0	0	3
	<b>Total</b>	<b>20</b>	<b>0</b>	<b>10</b>	<b>25</b>

## M.E. Biomedical Engineering

Sr. No.	Major Elective - II
1	Biomedical Image Processing and Analysis
2	Advance Biomaterials
3	Bionanotechnology

Sr. No.	Major Elective - III
1	Electromagnetic Compatibility
2	Medical Product Design: Standards & Regulation
3	Artificial Organs and Biomechanics

Sr. No.	Inter disciplinary Elective- II
1	Introduction to Bioinformatics