PROGRAM STRUCTURE

M.TECH BIOTECHNOLOGY AND BIOCHEMICAL ENGINEERING

Category	**Credits**
Core Courses	**36**
Elective Courses	**6**
Regulatory Affairs & Bioethics	**2**
MOOCs / Online Course	**2**
Research Project / Dissertation	**26**
Total	**72**

Sem 1	**Type**	**L**	**T**	**C**
Advanced Downstream Processing	Integrated	**3**	**0**	**4**
Bioprocess Engineering	Integrated	**3**	**0**	**4**
Molecular Biology Technique	Integrated	**3**	**0**	**4**
Genomics & Proteomics	Theory	**3**	**0**	**3**
Industrial Biotechnology	Theory	**3**	**0**	**3**
Elective-1 Biomaterials and Tissue Engineering Cell and Tissue Culture Personalized Medicine	Theory	**3**	**0**	**3**
Semester Credits				**21**
Sem 2	**Type**	**L**	**T**	**C**
Advanced Bioreactor Designing	Theory	**3**	**0**	**3**
Advanced Biochemical Engineering	Integrated	**3**	**0**	**4**
Computer-Aided Drug Discovery	Integrated	**3**	**0**	**4**
Advanced Protein Engineering	Integrated	**3**	**0**	**4**
Bioprocess Modelling and Simulation	Theory	**3**	**0**	**3**
Elective-2 Biosensors and Nanobiotechnology Metabolic Engineering Advanced Bioinstrumentation	Theory	**3**	**0**	**3**
Regulatory Affairs and Bioethics	Theory	**2**	**0**	**2**
Semester Credits				**23**
Sem 3	**Type**	**L**	**T**	**C**
MOOCs-1 (Domian specific online course)	Theory	**2**	**0**	**2**
Research Project-I	Project	**0**	**0**	**12**
Semester Credits				**14**
Sem 4	**Type**	**L**	**T**	**C**
Research Project-II	Project	**0**	**0**	**14**
Semester Credits				**14**