**M.Tech (Bioengineering) Syllabus**

**Course Structure for MTech in Bioengineering**

|  |  |  |
| --- | --- | --- |
| **Semester** | **Course Name** | **L-T-P-C** |
| **I** | **BT 501 Biotechniques****BT 521 Advanced Bioreactor Engineering****BT 645 Introduction to IPR and Ethics****BT xxx Elective I****xx xxx Elective II****BT 530 Experimental techniques in Bioengineering** | **3-0-0-6****3-0-0-6****3-0-0-0****3-0-0-6****3-0-0-6****0-0-6-6****Total: 30** |
| **II** | **BT 522 Advanced Bioengineering****BT 523 Metabolic Engineering****BT 524 Bioinstrumentation & Control****BT xxx Elective III****xx xxx Elective IV****BT 540 Applied Bioengineering Lab** | **3-0-0-6****3-0-0-6****3-0-0-6****3-0-0-6****3-0-0-6****0-0-6-6****Total: 36** |
| **Summer** | **BT 525 Industrial Training** | **0-0-0-0** |
| **III** | **BT 623 Research Methodology****BT 700 M. Tech Project I (MTP I)** | **2-1-0-6****0-0-0-22****Total: 28** |
| **IV** | **BT 701 M. Tech Project II (MTP II)** | **0-0-0-24****Total: 24** |
| **Total Credit: 118** |