**M.Tech (Bioengineering) Syllabus**

**Course Structure for MTech in Bioengineering**

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| **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** | | |