Course- in- Charge

M.Sc Programme

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| **Course Code** | | **Course Name** | **Credit** | **Course-In Charge** |
| **Semester – 1** | **MBT-101** | Microbiology | 04 | Prof. Dinesh Yadav |
| **MBT-102** | Molecular biology | 04 | Prof. Jonnada A.V.P.Rao |
| **MBT-103** | Biochemistry | 04 | Prof. Sarad Kumar Mishra |
| **MBT-104** | Cell biology | 04 | Prof. Rajarshi K Gaur |
| **MBT-105** | Laboratory course-I (based on MBT-101, 102, 103 & 104) (based on mbt-101, 102, 103 & 104) | 08 | 1. Prof. Dinesh Yadav  2. Prof. Rajarshi K Gaur |
| **MBT-106** | Seminar | 01 | 1. Prof. Jonnada A.V.P.Rao 2. Prof. Sarad Kumar Mishra |
| **Semester – 2** | **MBT-201** | Recombinant DNA technology | 04 | Prof. Dinesh Yadav |
| **MBT-202** | Enzyme technology | 04 | Prof. Sarad Kumar Mishra |
| **MBT-203** | Immunology | 04 | Prof. Jonnada A.V.P.Rao |
| **MBT-204** | Bioinformatics, biostatistics and genomics | 04 | Prof. Rajarshi K Gaur |
| **MBT-205** | Laboratory course-II (based on MBT-201, 202, 203 & 204) | 08 | 1. Prof. Jonnada A.V.P.Rao 2. Prof. Sarad Kumar Mishra |
| **MBT-206** | Seminar | 01 | Prof. Sarad Kumar Mishra |
| **Semester-3** | **MBT-301** | Plant biotechnology | 04 | Prof. Jonnada A.V.P.Rao |
| **MBT-302** | Animal biotechnology | 04 | Prof. Sarad Kumar Mishra |
| **MBT-303** | Bioprocess technology | 04 | Prof. Rajarshi K Gaur |
| **MBT-304** | Environmental biotechnology | 04 | Prof. Dinesh Yadav |
| **MBT-305** | Introductory Biotechnology  (Elective for other department) | 04 | Prof. Dinesh Yadav |
| **MBT-306** | Laboratory Course-III (Based on MBT-301, 302, 303 & 304) | 08 | 1. Prof. Dinesh Yadav 2. Prof. Rajarshi K Gaur |
| **MBT-306** | Seminar | 01 | 1. Prof. Jonnada A.V.P.Rao 2. Prof. Sarad Kumar Mishra |
| **Semester-4 \*** | **MBT-401** | Genomics for crop improvement | 04 | Prof. Dinesh Yadav |
| **MBT-402** | Proteomics and Nanobiotechnology | 04 | Prof. Rajarshi K Gaur |
| **MBT-403** | Biosafety, IPR and bioethics | 04 | Prof. Jonnada A.V.P.Rao |
| **MBT-404** | Animal cell and tissue culture | 04 | Prof. Sarad Kumar Mishra |
| **MBT-405** | Seminar | 01 | 1. Prof. Dinesh Yadav 2. Prof. Rajarshi K Gaur |
| **MBT-406** | Dissertation | 12 | 1. Prof. Dinesh Yadav  2. Prof. Jonnada A.V.P.Rao  3. Prof. Sarad Kumar Mishra  4. Prof. Rajarshi Kumar Gaur |

Ph.D Programme

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| **Course Code** | **Core Courses** | **Credit** | **Course in-Charge** |
| BT 601 | Seminar | 0+1 | 1. Prof. Jonnada A.V.P.Rao 2. Prof. Sarad Kumar Mishra |
| BT 602 | Omics for Crop improvement | 3+0 | 1. Prof. Jonnada A.V.P.Rao |
| BT 603 | Medical Biotechnology | 3+0 | 1. Prof. Sarad Kumar Mishra |
| BT 604 | Microbial Biotechnology | 3+0 | 1. Prof. Dinesh Yadav 2. Prof. Rajarshi Kumar Gaur |
| BT 605 | Environmental Engineering | 3+0 | 1. Prof. Dinesh Yadav 2. Prof. Rajarshi Kumar Gaur |
| BT 606 | Bio-analytical Techniques | 3+0 | 1. Prof. Jonnada A.V.P.Rao   1. Prof. Sarad Kumar Mishra |
| BT 607 | Computational Biology | 3+0 | 1. Prof. Dinesh Yadav 2. Prof. Rajarshi Kumar Gaur |
| BT 608 | Stress Biology | 3+0 | 1. Prof. Sarad Kumar Mishra |
| BT 609 | Cancer Biology | 3+0 | 1. Prof. Sarad Kumar Mishra |
| BT 610 | Molecular Virology | 3+0 | 1. Prof. Rajarshi Kumar Gaur |
| BT 611 | Enzyme Engineering | 3+0 | 1. Prof. Dinesh Yadav |
| BT 612 | Structural Biology | 3+0 | 1. Prof. Sarad Kumar Mishra 2. Prof. Rajarshi Kumar Gaur |
| BT 613 | Environmental Management | 3+0 | 1. Prof. Jonnada A.V.P.Rao |