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 Yadav2. 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
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