**Mass Transfer Operations I & II**

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| **Faculty in charge** | **Prof. A. K. Bandsode** |
| **Laboratory Area** | 204 m2 |
| **Location** | C-01/01 |
| **Seating Capacity** | 40 |
| **Infrastructure & Facility** | Chairs =3, Black Board=01, Faculty Table=01,  Stools=30, Weighing Balance=01, Practical Table =02  **Utilities:** Water , Electrical and compressed air supply |
| **List of Equipment Available** | 18 Experimental Setup |
| **List of Experiments Performed**  **Mass Transfer Operations-I** | **Odd Sem [MTO I]**   1. Rate of Drying Curve 2. Cooling Tower 3. Humidification And Dehumidification 4. Surface evaporation 5. Winkleman’s Experiment 6. Solid Dissolution 7. Liquid-Liquid Diffusion 8. Hydrodynamics in Packed Column 9. Wetted Wall Column 10. Absorption in Packed column |

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| **List of Experiments Performed**  **Mass Transfer Operations-II** | **Even Sem [MTO II]**   1. Vapour-Liquid Equilibrium 2. Flash Distillation 3. Steam Distillation 4. Distillation Under Total Reflux 5. Sieve Plate Distillation 6. Leaching 7. Binodal Solubility Curve (L-L extraction) 8. Adsorption 9. Crystallisation 10. Simple Distillation 11. Ion Exchange |
| **Total Expenditure** | **₹273299** |