**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
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| **Total Expenditure** | **₹273299** |