**Heat Transfer Operation(HTO)**

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| **Faculty in charge** | **Prof. Y. A. Landge** |
| **Laboratory Area** | 102 m2 |
| **Location** | C-02/2 |
| **Seating Capacity** | 20 |
| **Infrastructure & Facility** | **Faculty Table, Stools, Basic Utilities** |
| **List of Equipment Available** | 1. Unsteady State of Heat Transfer 2. Stefan Boltzman Apparatus 3. Cross Flow Heat Exchanger 4. Finned Tube Heat Exchanger 5. Plate Heat Exchanger 6. Film And Dropwise Condensation 7. Jacketed Vessel |
| **List of Experiments Performed** | **Odd Sem**   1. To estimate the film heat transfer coefficient between medium in which body is heated 2. To verify Stefan Boltzmann constant 3. To find the effectiveness & overall heat transfer coefficient of a Cross flow heat exchanger 4. To determine overall heat transfer coefficient of finned tube heat exchanger 5. To determine the overall heat transfer coefficient in a plate heat exchanger & its effectiveness 6. To determine heat transfer coefficients for film and drop wise condensation of vapor on a copper tube 7. To determine overall heat transfer coefficient, using water in the vessel and steam as the heating medium in inside the coil 8. To determine overall heat transfer coefficient, using water in the vessel and steam as the heating medium in inside the jacket |
| **Total Expenditure** | **4,19,924 Rs.** |