Heat Transfer Operation(HTO)

Faculty in charge	**Prof. Y. A. Landge**
Laboratory Area	102 m^2
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.**