UG	Department: **Chemical Engineering**
Course Code: **CHP313**	Course Name: **Mass Transfer Lab**
Credit: **2**	L-T-P: **0-0-3**
Version: **1**	Approved on:
Prerequisite Course: **Nil**	

Any Eight Experiments are to be Performed from the Following List of Experiments:

1. Determination of Gas-phase mass-transfer coefficient in wetted wall column.
2. Studies on Adsorption of Acetic Acid on Activated Carbon.
3. Crystallization of sodium thio-sulfate in a cooling batch crystallizer.
4. Determination of make-up water requirement in a Cooling Tower.
5. Studies on hydrodynamics of a packed column.
6. Drying characteristics of solids in a Batch Tray Dryer under constant drying conditions.
7. (i) Determination of Calibration Curve for Methanol-Water System, (ii) Determination of Plate Efficiency of a Blubble-cap distillation column for separation of Methanol-Water mixture under given conditions.
8. Determination of Mass Transfer Coefficient for flow around spheres and its comparison with that estimated from Frossling type correlation.
9. Solid-liquid mass-transfer coefficient estimation for dissolution of benzoic acid in water.
10. Determination of the Equilibrium Solubility Graph for the Extraction of Acetic Acid from its mixture with toluene using Water.