1.	Title of the course	Mass Transfer Laboratory
2.	Course number	CH302P
3.	Structure of credits	0-0-3-2
4.	Offered to	UG
5.	New course/modification to	Modification To CH3191/12
6.	To be offered by	Department of Chemical Engineering
7.	To take effect from	July 2022
8.	Prerequisite	Nil
9.	**Course Objective(s):** To perform experiments for applying the principles of mass transfer. To perform experiments to study the effect of operating parameters on separation processes.	
10.	**Course Content:** Vapor-gas diffusivity; Drying; Distillation; Absorption; Liquid-liquid extraction; Leaching; Reverse osmosis; Adsorption.	
11.	**Textbook(s):** 1. McCabe W L, Smith J C and Harriot P, *Unit Operations of Chemical Engineering*, 7th Edition, Tata McGraw Hill (2014). 2. Treybal R E, *Mass Transfer Operations*, 3rd Edition, Tata McGraw Hill (2012).	
12.	**Reference(s):** 1. Dutta B K, *Principles of Mass Transfer and Separation Processes*, 2nd Edition, Prentice Hall India (2007). 2. Seader J D and Henley E J, *Separation Process Principles with Application using Process Simulators*, 4th Edition, John Wiley & Sons (2016).	