



Process Design For Ethyl Lactate Production

Om Mihani*, Magesh Kulkarni**

*Chemical Engineering, Indian Institute of Technology, Bombay, India

**Chief Manager, Praj



Goal 1: Literature Review

- Going through literature to find existing processes and ideas
- Get preliminary understanding of kinetics and VLE

Goal 2: Kinetics Study

- Experiments on lab scale in batch and continuous reactors to get actual kinetics

Goal 3: Modelling & Optimization

- Proposal of a new and simpler process
- Use of Aspen to model and Optimize the process of Reactive Distillation

GOAL 4: Implementation

- Startup of a pilot scale unit
- Experiments to ensure equality at pilot scale and modelling scale

