Work plan and Research methodology:

- Literature survey
  Extensive literature survey is to be carried out by referring national and international journals
- Selection of model drug
  Drug will be on the basis of low half life and stable in gastric conditions
- Selection of polymers
  Main emphasis of the study will be on natural polymers
- Development of single unit floating dosage forms
- Development of multiple unit floating dosage forms
- To study effect of total polymer content-to-drug ratio.
- To study effect of polymer-to-polymer ratio.
- Characterization of floating dosage forms for
  - Micromeritic properties
  - Floating behavior.
  - Surface morphology by Scanning electron microscopy.
  - Drug and excipients interaction study by DSC/IR.
  - In-vitro drug release.
  - Accelerated stability study of dosage forms as per ICH guidlines.