PLAN AND METHODOLOGY

The proposed techniques for the formulation of the selected anti-hypertensive drugs in the form of microcapsules are by *Solvent evaporation method and Ion tropic gelation method*.

This research study will divided into different major parts to support the primary goal of this research.

- Preformulation Studies
- Drug Recovery from Microcapsules
- Investigation of Formulation Parameters on Drug Release
- Formulation
- Drug excipient interaction study

The prepared microcapsules will characterized for

- Drug entrapment efficiency
- Particle size distribution
- Asssay
- Invitro dissolution
- Differential scanning calorimetry
- FTIR
- Scanning Electron microscopy
- In vivo studies

- To analyze the pharmacokinetic parameters of the prepared microcapsule formulations.