Objectives
OBJECTIVES OF THE PRESENT STUDY:

The main objective of this research work is to prepare and evaluate controlled drug delivery system for Metoprolol succinate, Ambroxol hydrochloride, Zolpidem tartrate and Cinnarizine.

1. To design a suitable formulation/s
   - **Metoprolol succinate:**
     - i. Matrix tablet with individual polymers by direct compression
     - ii. Matrix tablet with combination of polymers by direct compression
     - iii. Three layer matrix tablets by wet granulation
   - **Ambroxol hydrochloride:**
     - i. Hydrophilic Matrix tablets by direct compression
     - ii. Hydrophilic Matrix tablets by melt granulation
   - **Zolpidem tartrate:**
     - i. Single layer monolithic matrix tablets for biphasic release by wet granulation
     - ii. Bilayer matrix tablets for biphasic release by direct compression
     - iii. Compression coated tablets for biphasic release by direct compression
   - **Cinnarizine:**
     - i. Floating matrix tablets by direct compression

2. To carry out the preformulation studies
3. To formulate matrix tablets of drugs by suitable method.
4. To carry out precompression and postcompression characterization of the prepared formulations.
5. To carry out in vitro drug release studies
6. To analyze drug release mechanisms and kinetics from drug dissolution data by applying number of kinetic models
7. To optimize the prepared formulations
8. To evaluate stability of optimized formulations