Plan of work & Methodology

1) **Review Literature:**
   Related to Drug profile, International Journals and from different Formulations.

2) **Characterization and Identification of the Drug: (Atenolol, Captopril)**
   Characterization and Identification will be carried out by Official Monographs given in IP

3) **Preformulation Study:**
   Preformulation study will be carried out for Excipients and Active Pharmaceutical Ingredient

4) **Preparation of Different Formulations:**
   By changing the Osmogens and changing in the concentration of different Excipients.

5) **Optimization of the Formulation:**
   Drug release Profile, GIT Residence time, Effect of pH, Effect of Osmotic Pressure

6) **Evaluation parameters of the Optimized batch:**
   **Core tablet:**
   Description, Average weight, uniformity of weight, Thickness, Hardness, Disintegration Time

   **Coated tablet:**
   Description, Average weight, uniformity of weight, Thickness, Hardness
   In vitro dissolution (effect of pH and agitation rate)

   % Assay
   % Content uniformity

7) **Accelerated Stability Study of Optimized batch as per ICH Guideline**