WORK PLAN & METHODOLOGY

The scheme of the proposed work is as follows:

1. Literature Survey

2. Drug Selection and percrument and identification of drug as well as Percentage purity of drug

3. Preformulation studies
   a) Melting Point
   b) Solubility of drug
   c) Partition coefficient of drug
   d) Determination of interference of drug with polymers.

4. Preparation of standard curve

5. Optimization of formulation
   a) In pH 6.8 Phosphate buffer.
   b) In distilled water.

6. Formulation of different batches of mouth dissolving tablets

7. Evaluation of optimize mouth dissolving tablets

   A. Evaluation of blends
      (a) Angle of repose
      (b) Apparent bulk density
      (c) Tapped bulk density
      (d) Percent compressibility
      (e) Hausner’s Ratio

   B. Evaluation of tablets
      (a) Tablet description
(b) Tablets thickness and diameter
(c) Hardness
(d) Friability
(e) Weight variation
(f) Content uniformity of active ingredient
(g) *In vitro* dissolution study

(8) The results of drug release will be studied for zero order of release, Higuchi’s classical diffusion equation and Korsmeyer’s Peppa’s equation.

(9) Accelerated stability study of optimized formulation