4. PLAN OF WORK

- Literature survey
- Collection and Authentication of plant material
- Preparation of plant powder
- Ethno medicinal Claims and Folk lore uses of Plant
- Pharmacognostical Studies
  - Study of transverse section
  - Study of powder microscopy
- Physico-Chemical Analysis
  - Determination of ash values
  - Total ash value
  - Acid insoluble ash
  - Water soluble ash
  - Determination of moisture content (Loss on drying)
  - Determination of foreign organic matter
  - Determination of swelling index
- Extraction of plant material and preparation of extracts
- Preliminary Phytochemical Screening
- Pharmacological screening
- Formulation of suitable dosage form
  - Conventional dosage form (Topical Gel)
  - Novel dosage form (Ethosome Gel)
- Evaluation Parameters of Conventional and Novel dosage form
- *In-vitro* & *In-Vivo* anti-inflammatory activity of dosage form
- Stability studies