Work plan and methodology:

Plan Of work:

- Literature review.
- Collection and Authentication of the plants.
- Drying, Pulverization and Extraction.
- Preliminary Pharmacognostic Evaluation of medicinal plants used in formulation.
- Preliminary Phytochemical Investigation Of Individual Extract.
- Selection of plant extracts and Preparation of New Polyherbal Formulations (Ointment, Liquid & Gel) by using above extracts.
- Standardization and Evaluation of New Polyherbal formulations.
- Pharmacological Screening of New Polyherbal Formulations.

Methodology:

- Preliminary Pharmacognostic Evaluation of medicinal plants used in formulation.
  - Collection and Authentication of crude drugs used in formulation.
  - Morphological and Microscopical evaluation of crude drugs used in formulation.
- Preliminary Phytochemical Investigation Of Individual Extract.
  - Extraction of each crude drugs separately.
    1) By soxhalation with ethanol 95%
    2) Aqueous maceration.
  - Qualitative and Quantitative analysis of each extract.
- Selection of plant extracts having Phytoconstituents responsible for wound healing property.
- Preparation of New Polyherbal Formulations:
  Those Extracts showing Phytoconstituents responsible for wound healing property
are separated and used for the Preparation of different dosage forms like Liquid, Ointment and Gel etc.

❖ **Standardization and evaluation of New Polyherbal Formulations :**

✓ Evaluation of New Poly Herbal Formulations by different parameters such as:
  a) Viscosity b) Stability c) pH d) Microbial count e) Specific gravity f) Total soluble solids, etc.

❖ **Pharmacological Screening of New Polyherbal Formulations :**

✓ Acute toxicity studies.

✓ Screening for Wound Healing property.

  **Models** – 1) Incision wound  2) Excision wound.

  **Animals** – Albino rats.