WORK PLAN AND RESEARCH METHODOLOGY:

- Literature survey:
  Literature survey will be carried out by referring the books and Internet Access various National as well as international journals.

- Procurement of drugs and excipient:
  For this Model drug (Galantamine Hydrobromide) and different kind of excipients such as Extended Release Coating Agents, Glidants, Disintegrants, Fillers, Sweetners Flavorants & other tableting excipients to be procured from suppliers as a gratis sample. Compatibility studies will be carried out for the same.

- Manufacturing of pellets:
  In this Drug loading on core pellets and rate release coating on those pellets to be carried out with the help of wurster process. Also the identification and characterization of key parameters affecting drug release from coated pellets to be carried out with the emphasis on curing effect for the same.

- Tabletting of pellets:
  In this tabletting of coated pellets with different tabletting excipients with the view to achieve rapid disintegration of coated pellets and subsequent extended drug release profile in vitro, to be carried out.

- Stability study:
  Stability study to be carried out on optimized formulation.

- Data collection and Statistical analysis:
  In this Statistical analysis to be carried using suitable softwares for the in vitro drug release.