3. AIM OF PRESENT WORK

“To Develop Simple, Precise, Accurate & Rapid validated analytical methods For Estimation of Gliclazide,

Glibenclamide,
Glipizide,
Glimepiride,
Metformin HCl,
Repaglinide,
Saxagliptin HCl,
Vildagliptin and
Sitagliptin phosphate

in formulation using analytical methods such as UV-Spectroscopy, HPTLC and RP-HPLC.”

Spectrophotometric method is to be developed, as it is simple and quick and aimed to validate the method, so that it can be employed for analysis of the drug and its formulation.

HPTLC and RP-HPLC method will also be developed and validated.

Developed methods proposed to be validated using the various validation parameters such as accuracy, precision, linearity, range, limit of detection, limit of quantitation, robustness, ruggedness, stability & system suitability.