



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM - 590 010**

PROJECT WORK

**“EVALUATION OF HYPOGLYCEMIC AND ANTIDIABETIC
ACTIVITIES FROM SELECTED PLANTS ”**

(Sponsored by Karnataka State Council for Science & Technology)

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of*

***BACHELOR OF ENGINEERING
IN
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ABSTRACT

It is well known that the incidence of diabetes mellitus is high all over the world, especially in Asia. Different types of oral hypoglycemic agents such as biguanides and sulphonyl urea are available along with insulin for the treatment of diabetes mellitus, but have side effects associated with their uses. There is a growing interest in herbal remedies because of their effectiveness, minimal side effects in clinical experience and relatively low costs. Several plants have been used traditionally for diabetes management. Literature reports on the medicinal plants reveal the use of several plants in Ayurveda for treatment of diabetes. However the active principle involved in the antidiabetic properties of these plants have not been identified. The present project proposal focuses on investigation on the active principle present in selected plant for antidiabetic properties. The project involves use of enzymatic and cell based assays for characterizing active principles in the selected plants.