

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belgaum-590014



PROJECT REPORT

On

**“TO PRODUCE BIO DIESEL FROM MILK DAIRY WASH WATER
SCUM – STUDY OF IT’S PROPERTIES & PERFORMANCE AS A
BLENDED FUEL ON IC ENGINES”**

Under Student Project Program of KSCST Sponsored by KSBDB.

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*Submitted in partial fulfillment of the requirement for the award of the
Degree of*

MASTER OF TECHNOLOGY

In

THERMAL POWER ENGINEERING

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ABSTRACT

The present scenario of world fuel consumption is massive and still increasing. The main source of fuel is fossil fuel. Today with the rise in prices of crude oil, petroleum products are becoming increasingly difficult for an average man to reach, also with alarming levels of pollution and the fear of depletion of petroleum products it's become inevitable to explore new possibilities in fuel production sector. Initiating from this view point various sources were looked at for production of alternative fuels. Most of the raw materials like seeds, grass, bio mass have been in the line of successful experimentation. Hence a unique raw material that is the milk dairy wash water scum has been selected. By trans-esterification methyl ester can be obtained from the scum which can be blended with diesel to get a new form of bio diesel and the further study of its properties and performance on IC engines can be obtained