

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELGAUM -570014.**



*A Project Report
On*

“PICO HYDRO SYSTEM”

**Submitted In the Partial Fulfillment for the Award of Degree of
BACHELOR OF ENGINEERING
In
ELECTRICAL & ELECTRONICS**

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ABSTRACT

The proposed system converts energy from moving water into electricity. It is a simple system which is driven by water. The prime mover of the system is interfaced to turbine which is in turn driven by water. The system consists of a permanent magnet based low rpm generator, turbine, Charger, Storage unit. The potential energy of the water is converted into mechanical energy by turbine which is in turn converted to electrical energy by generator.

The proposed system enables any house old to drive lights, Television & Mixer (500 Watts) kind of loads.