VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Santhi Bastawad Road, Machhe, Belgaum – 590014 KARNATAKA

Project Report
On

"SMART POWER GENERATION USING TURBINES FOR HOMES AND RECYCLING OF WATER WITH GENERATED POWER"

(Sponsored by KSCST, IISC, Bangalore)

Submitted in partial fulfillment of requirements for the award of degree
of
BACHELOR OF ENGINEERING
IN
TELECOMMUNICATION ENGINEERING

Submitted by

KAVYA CHANDRASHEKAR	**(1SS07TE014)**
KAVYASHREE C.M	**(1SS07TE017)**
SYED MUSAVEER RAHMAN	**(1SS07TE054)**
VIDYASREE R	**(1SS07TE055)**

Under the Guidance of

Prof.H.S.Jayaramu M.Tech, M.S, M.ISTE
Professor & HOD
Department of Telecommunication Engineering
SSIT, Tumkur-5

DEPARTMENT OF TELECOMMUNICATION ENGINEERING
SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY
(An Autonomous Institution under the ambit of Visvesvaraya Technical University, Belgaum)
Maralur, Tumkur-572105, Karnataka

2010-2011

ABSTRACT

All the successful achievements in the science and technology in this world are due to human Endane and curiosity of inventions and development.

In the present world the demand for electricity is increasing, with a point of extinction of fossil fuels and increasing level of air pollution, the power generators are in great demand. Human dependency on power is reached to an extent that it is a part of life. Some of the examples are we can't stay at homes during summer without air coolers, fans and if the power goes for more than a day then entire communication systems will stop. All these are because whatever the field and the device may be they work on power.

Load shedding is one of the most commonly faced problems these days. Hence there is very much need for generating power using the available energy.

Every home is having the sump and tank and daily depend on usage. Water is lifted, with the available pumping of water from sump to the overhead tank the power can be generated in a micro level. Hence

1. This can be made use with an amplifier to charge a battery.
2. To control water level of the tank by switching ON & OFF of Motor whenever it is required.
3. Control of these things with an SMS.
4. Recycle water by simple techniques.