

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM 590014**



**A REPORT ON PROJECT WORK
SIXTH SENSE OF POWER VIGILANCE**

(Sponsored by K.S.C.S.T, Bangalore)

Submitted in partial fulfillment of the requirements for the award of the degree of

**BACHELOR OF ENGINEERING
IN
ELECTRONICS & COMMUNICATION**

PROJECT ASSOCIATES

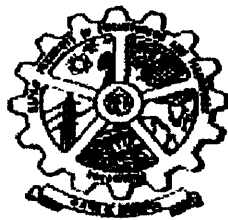
SANGEETA	4BD05EC069
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PROJECT GUIDE

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ABSTRACT

Power theft is a specter that continues to haunt and hamper regulated power supply. While Karnataka's demand per day is 127MU, but the availability is 100MU. Electricity theft leads to deviation in power transmission that effects scheduled power supply. KPTC maintains that only a minimum power loss is due to technical reasons, while the rest is due to electricity theft. Direct theft has explained to mean where the supply is connected directly and no meter is installed. There are more ways to steal power than most utilities care to admit. Some techniques are very simple, but effective, while others are sophisticated and difficult to detect.

Three of the most common methods used for stealing power include

- Inverting the meter (turning the meter upside down).
- Placing jumpers or metal straps behind the meter.
- Sophisticated power thieves use elaborate bypass systems.

Power vigilance officer can not vide the power all the day, hence people dare to use the power illegally. So here is our project which acts like sixth sense of power vigilance.

As in case, if there is a power theft in any house or industry, a particular frequency is transmitted and received at the K.E.B office. This gives the information about where the power is being theft and is flashed on the LCD using microcontroller.