

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM-590018**



**A project report on
“PREPAID AUTOMATED WIRELESS ENERGY METER USING
SMART CARD TECHNOLOGY”**

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

**Bachelor of Engineering
In
Telecommunication Engineering**

Submitted by

Chaitra S
(4GW07TE010)

Deepika M.S
(4GW07TE013)

Poojashree T.C
(4GW07TE025)

Sakshi Soumya
(4GW07TE035)

Under the internal guidance of

Ms. Mahalakshmi M.N,B.E
Lecturer of TE Dept,
GSSSIETW,Mysore

Under the external guidance of

Mr. Siddalingappa
(Scientist'F')
ETDC,Bengaluru



**DEPARTMENT OF TELECOMMUNICATION ENGINEERING
GSSS INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN**

Mysore - 570 016

2007-2011

Introduction :

ABSTRACT

The Currently existing electric meter measures the total consumption of energy, but it is not providing any information to the user regarding the units of consumption of energy and the amount utilized.

We have made an attempt to design a wireless energy meter, which can accurately measure the energy consumed, can be recharged using a prepaid smart card. The consumption detail will be displayed on LCD. When the balance amount reaches below the cut off value, the system alerts the user through SMS. If the user does not get it recharged well in time, the power supply connection will be cut automatically as soon as the balance reaches zero.

The wireless Energy Meter thus enables the user to know the energy consumption details also to be alerted when the balance goes below the cut off without any manual intervention.