

"MICRO-CONTROLLER BASED POWER CARD"

**A Project Report
submitted in partial fulfillment of the requirements
for the award of the Degree of Bachelor of
Engineering in Electrical & Electronics Engineering
of the Visvesvaraya Technological University, Belgaum**

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2011-2012**

ABSTRACT

The Automation of public service sectors is the current trend, which transforms the man power oriented services to semi-automatic or full automatic sectors. As the country is opened to globalization, people's income is rising. And the busy word is now become essential part of everybody's life. So, government prefer not only to give quality service but also the correct and error free services to its citizens. As a result, this project proposed here is an advanced system, which sits in consumer's home and helps electricity boards or electricity corporations to handle the billing system smoothly. This project helps them to give quality service to its customer without any kind of problems.

The present trend of tariff collection suffers from inefficient system of billing & collection in the way of wasting of valuable man power. So our aim is to overcome these problems with the introduction of **“MICRO-CONTROLLER BASED POWER CARD”-A NEW APPROACH TO TARIFF COLLECTION.**

This system is efficient [as it uses Micro-controller PIC IC for Power Card Detecting & Analyzing],therefore accurate assessment of energy audit program & also necessary to promote a goodwill & consumer relation & thereby ensuring exact revenue collection which is exact proportional to the generation of electrical energy.