

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**BELGAUM- 590 014, KARNATAKA**



**A K.S.C.S.T. Sponsored Project Report on  
“ENERGY AUDITING OF S.C.E CAMPUS & IMPLEMENTATION OF  
AUTOMATION”**

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

**BACHELOR OF ENGINEERING  
IN  
ELECTRICAL AND ELECTRONICS ENGINEERING  
2012-2013**

**Submitted By**

**AKASH KUMAR (1SG09EE003)**

**ARSHAD IMAM (1SG09EE009)**

**NITISH KUMAR (1SG09EE034)**

**PRATIK KUMAR (1SG09EE039)**

**Under the Guidance of:**

**Mrs. A.M. LEELA, Associate Prof.**

**Ms. Manjula.N, Assistant Prof.**

**Dept of EEE**



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**SAPTHAGIRI COLLEGE OF ENGINEERING**

**14/5, Chikkasandra, Hesaraghatta Main Road, Bangalore-560057.**

## ABSTRACT

An energy audit is a study of a plant or facility to determine how and where energy is used and to identify methods for energy savings. There is now a universal recognition of the fact that new technologies and much greater use of some that already exist provide the most hopeful prospects for the future. The opportunities lie in the use of existing renewable energy technologies, greater efforts at energy efficiency and the dissemination of these technologies and options.

The primary objective of energy audit is to determine ways to reduce energy consumption per unit of product or to lower operating costs

The energy audit of S.C.E academic area was carried out by the students of the Department of ELECTRICAL AND ELECTRONICS ENGINEERING as a part of the course work for the project. This report is just one step, a mere mile marker towards our destination of achieving energy efficiency and we would like to emphasize that an energy audit is a continuous process. We have compiled a list of possible actions to conserve and efficiently utilize our scarce resources and identified their savings potential. The next step would be to prioritize their implementation. We look forward with optimism that the institute authorities, staff and students shall ensure the maximum execution of the recommendations and the success of this work.