**ANSAL UNIVERSITY**

**Ansal Institute of Technology (IPU)/**

**School of Engineering and Technology (AU)**

**Department of EEE**

2014-15

**School S. No.:43 Dept. S. No.:EEE16**

**Title of the Project:** DENSITY BASED TRAFFIC LIGHT CONTROLLER

**Student Names:** 1. Mohit Kumar

2. Afroz Alam

 3. Dheeraj Kumar

 4. Pawan Kumar

**Project Guidance:** Mrs. Harsha Vanjani, Assistant Professor, SET

**Project Description:**

This project is developed to meet the requirements of solid state traffic light controller by adopting microcontroller as the main controlling element, and light emitting diode (LED) as the indication of light. A microcontroller is interfaced to LED provides centralized control of the traffic signals. Microcontroller is programmed in such a way to adjust their timing and phasing to meet changing traffic conditions.

**Appx. Cost of the Project:** Rs. 3460