**ABSTRACT**

“Density Based Traffic Control System using ARDUINO” explains about automatically sensing traffic density at particular lane/junction and allocating time according to density of traffic. There are two conditions if distance is less than 30 cm (according to our mini model and ultrasonic capacity) green led will glow and time will be allocated for 2 seconds. And if distance is more than 30 cm then time will allocated for 5 seconds. This project uses the ARDUINO Microcontroller.