**RFID BASED STATION NAME ANNOUNCEMNET**

**AIM:**

The main aim of this project is to develop a system which can help to know the bus station or railway station details while we are in the Bus.

**PURPOSE:**

The purpose of this project is mainly which can help to know the station details while the bus / train is moving. This is very useful for illiterate/tourist.

**BUS SECTION:**

**MICRO**

**CONTROLLER**

**(AT89S52)**

**VOICE IC**

**POWER**

**SUPPLY**

**RFID**

**READER**

**SPEAKER**

**LCD DISPLAY**

**BUS STOP SECTION:**

**TAG 3**

**TAG 2**

**TAG 1**

**TAG1: BUS STOP1**

**TAG2: BUS STOP2**

**TAG3: BUS STOP3**

**Power Supply:**

**Step Down**

**Transformer**

**Bridge**

**Rectifier**

**Filter**

**Circuit**

**Regulator section**

**DESCRIPTION:**

Generally, journey in a bus is a safe and comfort factor, but due to increase in number of busses and passenger its going be tougher now a days. Now a day's every system is automated in order to face new challenges. In the present days Automated systems have less manual operations, flexibility, reliability and accurate. Due to this demand of less manual controlling, every one prefers automated control systems. Especially in the home and industries of electronics, automated systems are giving good performance and flexibility to get controlling without your involvement. So this system is very useful to do operations like liquid dispensing.

In this project have 2 sections.

1) BUS STOP SECTION

2) BUS SECTION

1) The bus stop section consists of RFID tags.

2) The bus section has the total kit.

Whenever bus is entered in to BUS BAY the reader reads the data from the tag and sends data (station name) to controller. Then the controller reads the data and it compares with the stored data, which data is matched to present data that particular voice announcement will come and also the location is displayed on the LCD.

**SOFTWARE’S USED:**

1. Embedded C
2. Keil IDE
3. ISP

**HARDWARE COMPONENTS:**

1. Micro controller

2. RFID READER & TAGS

3. LCD

4. SPEAKER.

5. VOICE IC.

**RESULT:**

With the help of this project to know the bus station or railway station while the bus or train is moving.