RESULTS

As practical demonstration of the GPS and ZigBee based tracking system was not feasible to be implemented, we decided on showing the implementation in the college premise itself. For this implementation we decided to select the road adjacent to college building. This was selected such that the GPS could track the location without any hindrance.

The route was as follows:

Vidyalankar Gate (BUS Location) ----- Parking -------- Canteen -------- Cafe Day (Bus Stop)

We considered Vidyalankar Gate as the initial location of the bus where one person stood with the transmitter module and Cafe Day as the Bus stop where the receiver module was placed.

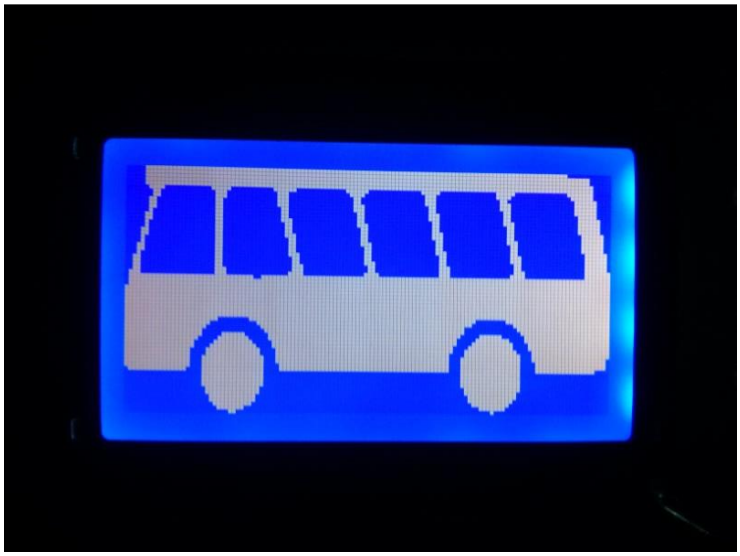
Since in this project we are not implementing the concept in real time we decided to predefine the time required for the bus to reach the Cafe Day from each location. The details are as follows:

From Vidyalankar Gate	:	45 sec
From Parking	:	30 sec
From Canteen	:	15 sec
At Cafe Day	:	0 sec

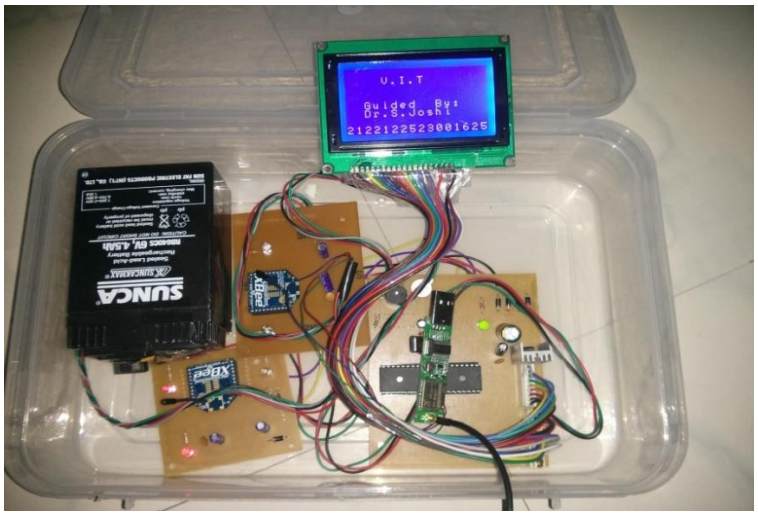
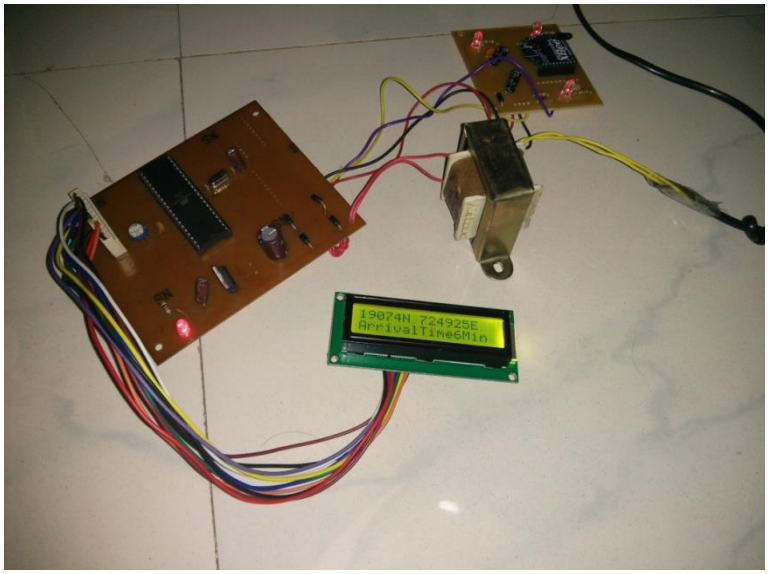
As we have incorporated advertisement related to the real time location of the bus we included the corresponding pictures at the location.

On moving from the gate towards Cafe Day the data changed at the respective locations and the time required by the bus to reach the stop was displayed correctly on the LCD screen.

Below are some of the pictures that were displayed on Graphic LCD Screen



This is the picture of the Transmitter circuit.



This is the reciever circuit with LCD display