



**Benha University**

**Faculty of computers & informatics**

**Computer science department**



# Android Transportation Smart Service

**Abstract**



## Overview:

The idea is to deliver Smart transportation bus service like arriver time distance· free space alert, search by stops, alternative ways... etc.

These is simply by tracking the bus capacity, tracking traffic in bus route and deliver this information accompanied with other information to help bus user to take the appropriate decision that saves his time and effort.

Let's consider the normal scenario for taking a bus in Egypt, user A waits for the bus for unspecified period of time, then at last the bus comes overcrowded and the user has to wait for the next one because of not being able to take that one, the user become exhausted and his time is wasted.., with ATSS system user can know when the next bus will come approximately and whether he could have a seat or not.

There are many other features that to help not only bus users but also bus drivers and transportation service decision makers.

This document also includes the steps of implementing our projects by java programming, and how we had examined it to ensure that it works correctly.

## **Vision:**

To deliver the best bus transportation service in Egypt and middle east, that encourage people to use group transportation means instead of private cars which in turn will result in better traffic saving time, effort and money.

## **Objectives:**

- Improve services delivery to citizens:
- Cost Reduction of service to citizen by providing government information to the public through a website, SMS and other channels
- Ensure transparency in government-public interactions
- Provide better analysis/ actual reports for decision makers which will result in enhanced performance in transportation sector.
- Creates the positive image of modern and progressive government.