

NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY

(AN AUTONOMOUS INSTITUTION AFFILIATED TO VTU, BELGAUM, ACCREDITED by NBA (AICTE), New Delhi)

YELAHANKA, BANGALORE-560064



A Project Report on

GPS BASED TRANSPORT SERVICE TRACKING SYSTEM

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Submitted by,

SHARATH BABU.S

(1NT10IS042)

SHAMILY.B.SHETTY

(1NT10IS048)

VENKATA KRISHNA K.G

(1NT10IS058)

AKHILA.M.RAO

(1NT11IS400)

Under the guidance of

Prof. Sankar Dasiga
Dept. of Electronics and
Communication Engg.

Asso.Prof. Vidyadevi G Biradar
Dept. of
Information Science and Engg.



DEPARTMENT OF INFORMATION SCIENCE ENGINEERING

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ABSTRACT

It is a very common scenario in our country to see many people standing at the bus stops or other points waiting for their transport vehicle. These people sometimes will have to wait for a long time without the knowledge of whether their transport is on its way or not. This problem motivated us to come up with our project.

On basis of this we have come up with a product which has two parts. Our project tracks the location of the vehicle and sends this information to the required authorities.

Our project has two components first being placed in the vehicle and the second is placed in the control room. This product has an ARM 7 board which is interfaced with the GSM and GPS board and placed in the vehicle. This component obtains location from the GPS and sends that data as a message to the control room. The control room has another GSM board which receives the message sent from the vehicle. The location details are then stored in the database which is used to send the messages to other users of the system. So that users need not wait for the transport vehicle without knowing when it will arrive. Our system also provides an android application which enables the user to track the vehicle through his mobile.

This entire system is built mainly to save time and also provide security to the user by tracking the transport vehicle. This also helps the user to find an alternative vehicle in case he/she misses the transport vehicle.