VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belgaum-590014

DESIGN OF ADVANCED AUTO FARE SYSTEM

A PROJECT REPORT

Submitted by

MOHAMMED SAHEEL R SHAIK	**4CB09CS018**
RENSON SANDESH VAS	**4CB09CS025**
YOGEESHA B	**4CB10CS415**
YOGISHA POOJARY	**4CB10CS416**

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Under the guidance of

Mrs.V.HEMALATHA, M.E.,

Assistant Professor, CSE Department

Department of Computer Science & Engineering

CANARA ENGINEERING COLLEGE

BENJANAPADAVU, BANTWAL - 574219, D.K. ,KARNATAKA

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ABSTRACT

The aim of the project is to overcome the difficulties of existing system and help passengers, auto drivers as well as RTO. The developing embedded system is the **Design of Advanced Auto Fare System**. The main objective of the system is to calculate and display the travelling amount, travelled distance in kilo meter, driver_name, licence_number, vehicle_id, rc_number, waiting time, date and temperature, starting and ending time will be displayed on both Meter and Server controlled by centralized RTO with database management. When the driver logs in for the duty, the server sends authorization as the driver_name, vehicle_id, licence_number, rc_number, waiting_time, start_time, end_time. The database stores every details such as number of services, distance travelled, exact location of the vehicle. When driver has come to end of his service to one passenger, it would saved to his account for that day in previous service detail and account update for each passenger he serviced in current service detail. The data transmission takes place using zigbee protocol. The Meter prints the travelling details such as driver_id, driver_name, vehicle_id, distance_travelled, fare, date, time and temperature etc. for each service.