

VISVESHWARAYA TECHNOLOGICAL UNIVERSITY

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A PROJECT REPORT ON
“BUS PILE-UP AVOIDANCE SYSTEM - BPAS”
-An Intelligent Feature for IPTS

Submitted in Partial Fulfillment of the requirement as prescribed by VTU for the Award of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

For the academic year 2013-2014

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ABSTRACT

Intelligent public transport is new trend which is been emerging at various cities. The main aim of this system is to improve efficiency and quality of the transport system due to which more people will be attracted to public transport. These Intelligent system provides bus arrival times to users, in some system it also monitors all buses of all routes and change number of bus on routes automatically as per requirement, ticketing systems are also electronic which saves time and hassles. IPTS is future and with time new features and options are added in to the system. With the help of wireless communications, an intelligent public transport system can be designed.

Many innovators have added various features to improve transport ranging from route optimization to GIS based enhancements. Our project is also one of that we intended to implement a feature to avoid bus pile up at single places or bus stand. By avoiding Bus pile-up, we can reduce pollution and traffic problems as many people use the intelligent public transport provided by the government and stop using their own vehicles.