



Visvesvaraya Technological University
BELGAUM, KARNATAKA

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
ಬೆಳಗಾವಿ, ಕರ್ನಾಟಕ

A PROJECT REPORT ON

“Just in time mobile services for a student in a college scenario”

(Sponsored by KSCST)

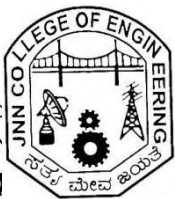
Submitted to Visvesvaraya Technological University in partial fulfillment of the requirement for the award of Bachelor of Engineering degree in Computer Science and Engineering.

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ABSTRACT

Location based Services offer many advantages to the mobile users to retrieve the information about their current location and process that data to get more useful information near to their location.

Now days in this fast life where everyone is in hurry to reach their destination, waiting for bus is a hectic and even many of us are unaware of the bus timing, hence to overcome this problem we have come up with system “Development of Just in time mobile services for a student in a college scenario” which aims to build an Android application that automates many service aspects related to the college. At specific pickup point the application sends current location of bus to the server, then server sends SMS to students who are supposed to board at the next pickup point. The complete scenario requires everything to be done manually & there is no confusion such that bus can arrive early or late since when it leaves from one stop, student waiting at another stop can easily receive a message/SMS. The project does not provide any room for predictions. This application uses the GPS function, to pin point current location fairly accurate. This application sends an SMS Alert to student who are subscribed and also provides additional services like college/department/university related information, notification, events, updates at the right time. It runs in the background so you are free to use your phone for the other activities like playing games, listening songs etc. Most of the applications developed so far use a handheld GPS receiver device for tracking the location, but we have reduced the cost of device by using mobile phone which has an inbuilt GPS receiver.