



## G. Narayanamma Institute of Technology & Science (For Women) (Autonomous)

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Shaikpet, Hyderabad-500104

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

<GN-R-18> (2022 - 2023) II B.Tech II Sem Hobby Project on

“OnBoard- Next-Gen Bus Tracking app”

#### Abstract:

This abstract presents an Android application for tracking the location and route of a bus in real-time. The proposed system utilizes GPS technology to provide accurate and up-to-date information about the bus's location and estimated time of arrival at each stop. The application provides users with a simple and intuitive interface to view the bus's current location, route, and expected arrival time at their destination. The system also includes features for sending push notifications to users to alert them of any delays or changes in the bus's schedule. The proposed application can be useful for passengers who want to plan their travel more efficiently and for transportation companies to monitor their fleet's performance and optimize their operations. Overall, the proposed system offers a reliable and convenient solution for tracking buses using an Android application.

#### H/W and S/W Requirements:

- Hardware: 64 bit processor, 8GB RAM, High Screen Resolution.
- Software: React JS (Android Studio), Built-In GPS API Technology, UX for front-end, Servers and Database for back-end.

\*Dept R&D: NO

\*If No: GNITS



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