

Real Time Bus Tracking System

Prof. Namithadevi N N¹, Hirabai², Lavanya³, Ruchitha BT⁴, Sukrutha R⁵

Professor, Department of Computer Science and Engineering¹

Students, Department of Computer Science and Engineering^{2,3,4,5}

VidyaVikas Institute of Engineering and Technology, Mysore

Abstract: *The advancement of Internet of Things (IoT) technology has enabled the development of various real-time tracking systems. In this paper, we propose a system for live bus tracking utilizing IoT components, including an RFID tracker, NodeMCU, GPS module, GoDaddy web hosting service, Android mobile platform, Java programming language, and MySQL database. The system aims to provide accurate and real-time information about bus locations, allowing users to track buses remotely and plan their journeys efficiently. The RFID tracker is integrated into each bus, enabling identification and authentication of the bus. It provides a scalable and reliable solution for data storage and retrieval. The proposed system demonstrates the potential of IoT technology in enhancing public transportation systems. It offers benefits such as improved.*

Keywords: Internet of Things, live bus tracking, RFID tracker, NodeMCU, GPS module, GoDaddy, Android application, Java, MySQL database

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