PBR VITS COLLEGE BUS TRACKING SYSTEM

Mr .K . Ravichand [1], Arasada Akhil[2], G Mahesh[3], CH Bhanu Prakash Reddy[4],

N Pavan[5]

#1Associate Professor in Department of CSE, in PBR VITS ,KAVALI.
#2#3#4#5 B.Tech with Specialization of Computer Science and Engineering in PBR
Visvodaya Institute of Technology & Science , Kavali.

ABSTRACT_ Nowadays, every moment matters. And as a result, everything has grown more difficult, particularly the traffic. As everyone knows, college and university schedules are the best. Colleges place a great deal of importance on start and end times, so getting around becomes difficult. The most practical mode of transportation for instructors, students, and other faculty members is the college bus.Buses are used by businesses as well as colleges to pick up and drop off employees. However, elements like traffic jams and mechanical issues lengthen passenger wait times and cause delays, which is a waste of time.

People fear they won't be able to be on time because of the unexpected traffic and delay. College buses can get around this by using tools like real-time vehicle tracking, cellular networks, and global positioning systems to be on time. With the introduction of real-time vehicle tracking, which makes use of a global positioning system to display the data retrieved and enable user monitoring, passengers can now know the precise location of their bus, enabling them to plan their time effectively and arrive at the bus stop on time. In the event of a delay, they can also take alternative transportation.

1. INTRODUCTION

Face a myriad of challenges, from optimizing routes to ensuring timely deliveries. Yet, amidst the hustle and bustle, one often overlooked challenge stands out: refueling.

Picture this: A fleet manager juggling a myriad of responsibilities, attempting to orchestrate the seamless movement of vehicles while simultaneously grappling with the logistics of refueling. Traditional methods of refueling, requiring drivers to detour to gas stations, not only disrupt schedules but also make it arduous to maintain accurate track of fuel consumption. The result? Chaotic scenes at gas stations, wasted time, and a significant administrative burden.

In this era of innovation and efficiency, it's imperative that we address these challenges head-on. Enter the solution:

revolutionizing fleet refueling through innovative technologies and services. Today, we explore the pressing need for such solutions and delve into the transformative impact they can have on fleet operations.

Throughout this presentation, we'll uncover the pain points faced by companies operating fleets, ranging from taxi and cab services to intercity bus operators and trucking agencies. We'll examine the inefficiencies inherent in traditional refueling methods and the toll they take on operational efficiency and profitability.

But fear not, for where there are challenges, there are also opportunities for innovation. We'll shine a spotlight on companies leading the charge in revolutionizing fleet refueling. From on-demand fuel delivery services to advanced fuel management solutions, these innovators are reshaping the landscape, offering streamlined, cost-effective alternatives to traditional refueling methods. In the bustling landscape of

transportation and logistics, companies operating fleets of vehicles

Join us as we embark on a journey to reimagine fleet refueling, unlocking new possibilities for efficiency, productivity, and success in the transportation and logistics industry

2.PROPOSED SYSTEM

To address this issue and follow the bus using Google Maps' precise real-time location, we are developing a single Android application.

3.1 IMPLEMENTATION

1.   Admin:in this module admin can login using username and password after login admin can perform the following actions add students,view students,add bus,view buses.

2.   Driver:in this module admin can login using username and password after login Driver can perform the following action track bus,view buses.

3.   Students:in this module Student can login using username and password after login student   can perform the following action track bus.

3.RESULTS AND DISCUSSION
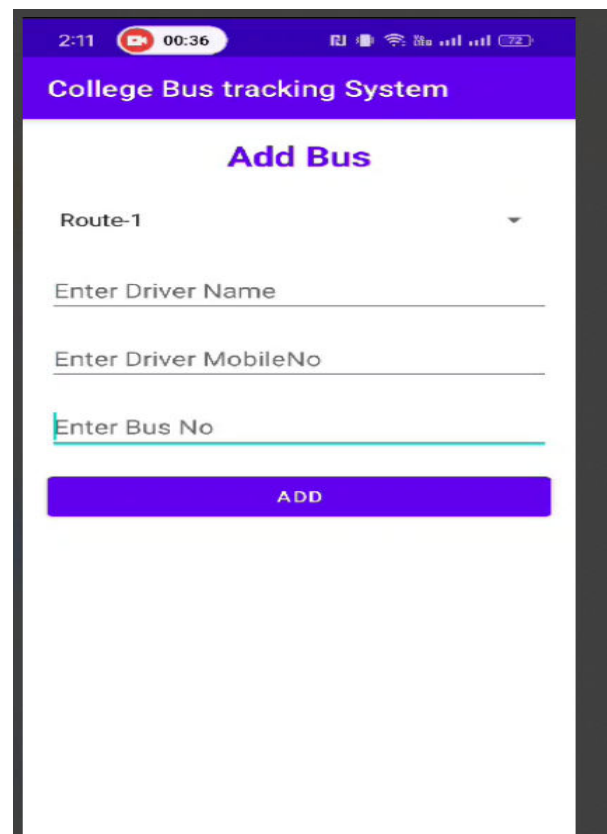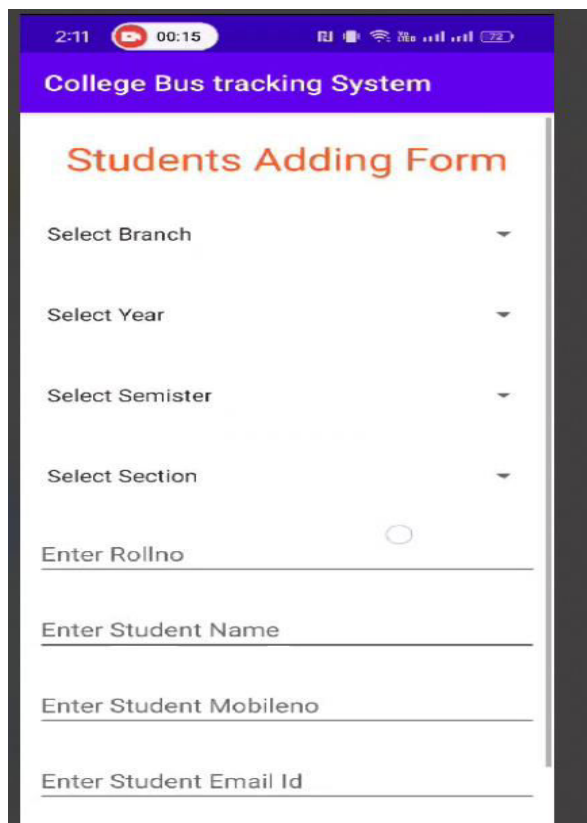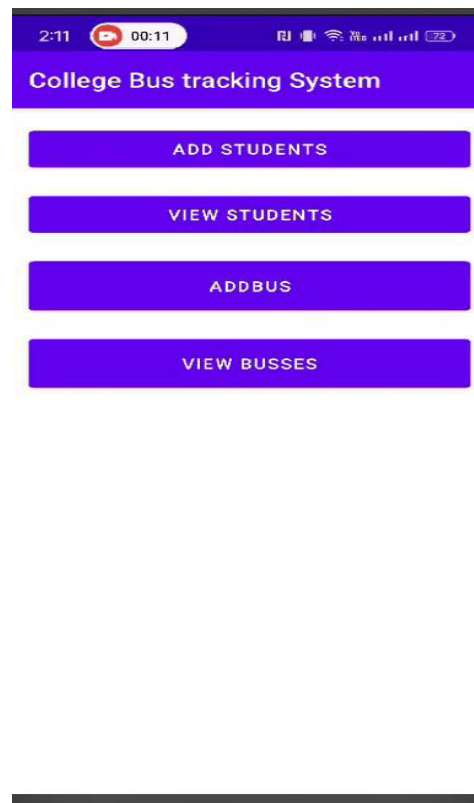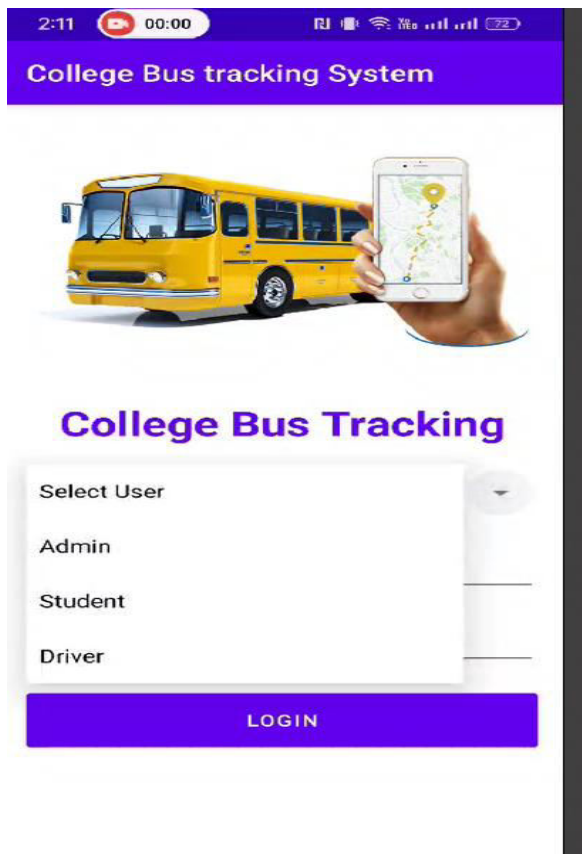
4.CONCLUSION

We created an Android application to follow college buses and give consumers pertinent information. The architecture and design of our college bus tracking system have been covered in this paper. A server and smartphones make up our system. The technology can show that it can track a college bus from anywhere. Additionally, because our system tracks location without the need for external gear, it is inexpensive.

REFERENCES

1. "Industry Leaders Announce Open Platform for Mobile Devices". Open Handset Alliance. November 5, 2007. Retrieved March 12, 2017.

2. Kaplan, E. (1996). Understanding GPS - Principles and Applications. Boston: Artech House.

3. Critical Technologies Institute (1995)- A Policy Direction for the Global Positioning

4. System: Balancing National Security and Commercial Interests.

5. 3.Institute of Navigation. Global positioning systems: papers published in navigation. Alexandra, VA, Institute of Navigation. 1984-1999. 7 v.

6. 4.L. Ma, L. Gu, J. Wang, "Research and Development of Mobile Application for Android Platform,"International Journal of Multimedia and Ubiquitous Engineering, vol. 9, pp. 187–198, 2014.

7. "Industry Leaders Announce Open Platform for Mobile Devices". Open Handset Alliance. November 5, 2007. Retrieved March 12, 2017.

8. Kaplan, E. (1996). Understanding GPS - Principles and Applications. Boston: Artech House.

9. Critical Technologies Institute (1995)- A Policy Direction for the Global Positioning System: Balancing National Security and Commercial Interests.

10. Institute of Navigation. Global positioning systems: papers published in navigation. Alexandra, VA, Institute of Navigation. 1984-1999. 7 v.

11. L. Ma, L. Gu, J. Wang, "Research and Development of Mobile Application for Android Platform,"International Journal of Multimedia and Ubiquitous Engineering, vol. 9, pp. 187–198, 2014.

12. L. Priyanka, A. Priyanka, K. Monali, M. Sandhya, "Smart Shopping: Location Based An Android Application,"Imperial Journal of Interdisciplinary Research, vol. 2, issue 1, 2016.

Author's Profiles
Mr.K. Ravichand working as Associate Professor in Department of CSE, PBR Visvodaya Institute of Technology and Science KAVALI.

Team Members

ARASADA AKHIL B.Tech with Specialization of Computer Science and Engineering in PBR Visvodaya Institute of Technology & Science, Kavali.

GANDAVARAPU MAHESH B.Tech with Specialization of Computer Science and Engineering in PBR Visvodaya Institute of Technology & Science, Kavali.

CHITTELA BHANU PRAKASH REDDY B.Tech with Specialization of Computer Science and Engineering in PBR Visvodaya Institute of Technology & Science, Kavali.

N. PAVAN B.Tech with Specialization of Computer Science and Engineering in PBR Visvodaya Institute of Technology & Science, Kavali.
i