

BloodFinder Application using GPS and KOTLIN

Professor Nilam Honmane¹, Aarya Mahajan², Uday Khune³, Aishwarya Bangar⁴, Tanuja Patil⁵

¹Guide, Department of Information Technology

²⁻⁵Students, Department of Information Technology

Zeal College of Engineering and Research, Narhe, Pune, Maharashtra, India

Abstract: The objective of this research paper is to present the development of a blood bank application that leverages GPS technology and is built using the Kotlin programming language. The application aims to enhance the efficiency and accessibility of blood donation by providing real-time information on nearby blood banks, mobile blood drives, and emergency blood requests.

The research focuses on the utilization of GPS technology to enable users to locate the nearest blood donation centers or mobile blood drives based on their geographical location. This feature allows users to conveniently find donation opportunities and encourages their active participation in the blood donation process.

The application is developed using Kotlin, a modern and robust programming language that offers various advantages such as concise syntax, null safety, and interoperability with existing Java code. The choice of Kotlin ensures efficient and reliable development, enabling the application to provide a seamless user experience.

Keywords: blood bank application, GPS technology, Kotlin, user survey, usability, user satisfaction, privacy, security, blood donation

REFERENCES

- [1] <https://pubmed.ncbi.nlm.nih.gov/26545826/>
- [2] https://www.researchgate.net/publication/296525867_Des_ign_and_Development_of_Mobile_Blood_Donor_Tracker
- [3] https://www.researchgate.net/publication/283576363_Blood_donation_mobile_applications_Are_donors_ready
- [4] https://www.researchgate.net/publication/273067813_Free_Blood_Donation_Mobile_Applications
- [5] <http://ijircce.com/admin/main/storage/app/pdf/Jiy7OyCBV02qKz9eGvCj5leqMhSenDi1ZUmVtKcU.pdf>

BIOGRAPHIES



Aarya Mahajan
Student of dept. of Information Technology, Zeal College of Engineering and Research, Pune.



Uday Khune
Student of dept. of Information Technology, Zeal College of Engineering and Research, Pune.



Tanuja Patil
Student of dept. of Information Technology, Zeal College of Engineering and Research, Pune.



Aishwarya Bangar
Student of dept. of Information Technology, Zeal College of Engineering and Research, Pune.