**Bengaluru North University**

**Project Report on**

# “SMART CART GEO-LOCATED DELIVERIES”

**Submitted in partial fulfillment of the requirement for the award of the degree in**

**Master of Computer Applications**

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## Project Guide

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**Affiliated to Bengaluru North University**

**Recognized by UGC under 2(f), Accredited by NAAC at ‘B++’ Grade**

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**CERTIFICATE**

This is to certify that the dissertation titled **“Smart Cart Geo-located Deliveries ”** is an original work of **“Jithin jose”** bearing University Register Number **“P19UU23S126001” , , “Aravind.S”** bearing University Register Number **“P19UU23S126005”** is being submitted in partial fulfilment for the award of the Master’s Degree in Computer Application of Bengaluru North University. The report has not been submitted earlier either to this University / Institution for the fulfilment of the requirement of a course of study.

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## GUIDE CERTIFICATE

This is to certify that the content of this project entitled, **“Smart Cart Geo-located Deliveries”** by **“Jithin jose Reg.No: P19UU23S126001, Aravind.S Reg.No: P19UU23S126005”** is a bona fide work, submitted to Bengaluru North University, for consideration in partial fulfilment of the requirement of the Master’s Degree in Computer Application.

The original research work was carried out by students under my supervision in the academic year 2024-25. On the basis of the declaration made by Students, I recommend this project report for evaluation.

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# DECLARATION

## We hereby declare that “Smart Cart Geo-located Deliveries” is the result of the project work carried out by us under the guidance of “Mrs. K. Krishna Veni” in partial fulfilment for the award of Master’s Degree in Computer Application by Bangalore North University.

We also declare that this project is the outcome of our own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

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## 

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## ABSTRACT

The Geolocation-Based Web Application for Delivery and Shop Availability presents a transformative solution to enhance the interaction between local businesses and customers by harnessing the power of geolocation technology. In an era where convenience and efficiency are paramount, this project addresses the need for a streamlined, location-driven platform that empowers users to discover nearby shops, access real-time inventory information, and place delivery orders with ease. By leveraging cutting-edge geolocation APIs, such as Google Maps the application delivers precise location data, ensuring users can effortlessly identify businesses within their vicinity and make informed purchasing decisions based on accurate, up-to-date availability. The core objective of the application is to create a user-centric experience that simplifies the process of shopping locally while optimizing the logistics of delivery. Users can input or automatically share their current location, enabling the platform to display a curated list of nearby shops, complete with details on available products or services. This real-time functionality not only enhances customer convenience but also supports local businesses by increasing their visibility and accessibility. The application further integrates route optimization algorithms to ensure deliveries are executed efficiently, minimizing wait times and reducing operational costs for businesses. Beyond its practical applications, the project emphasizes scalability and adaptability, allowing for future integration of additional features such as user reviews, loyalty programs, or multi-vendor marketplaces. The use of robust geolocation APIs ensures the platform remains reliable across diverse geographic regions, accommodating both urban and rural settings. Security and privacy are prioritized, with measures in place to protect user location data and ensure secure transactions. By bridging the gap between customers and local businesses, this web application fosters community engagement and supports economic growth at the grassroots level. It caters to the growing demand for digital solutions that blend convenience with localized services, offering a seamless interface for users and a powerful tool for businesses to expand their reach. Ultimately, the Geolocation-Based Web Application for Delivery and Shop Availability redefines the local shopping experience, combining technological innovation with practical utility to create a dynamic, efficient, and user-friendly platform that meets the needs of modern consumers .

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