International Journal of Scientific Research and Engineering Development-– Volume 9 Issue 2, Mar-Apr 2026
Available at www.ijsred.com

RESEARCH ARTICLE OPEN ACCESS

A Digital Platform for Location Guidance in Our City

Tanuja Bhakare[1], Samradnyi Kale[2], Priyanka Gaikwad[3], Pranita Gadsing[4], Vijay S. Parit[5]
[1234]Students, Computer Science Engineering, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar, Maharahstra, India.
HOD, Computer Science Engineering, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar, Maharahstra, India.
tanujabhakare707@gmail.com

----------**********----------

Abstract:
A digital platform designed to help people easily find important places in our city. Many visitors, students, and residents face difficulties in locating hospitals, banks, colleges, medical stores, shopping areas, and tourist places. This system provides accurate location details along with useful information such as contact numbers and directions. The platform is developed using web technologies with database support to store and retrieve information efficiently. It also suggests nearby popular places to visit, which improves the user experience. The main aim of the project is to save time, reduce effort, and provide a simple and user-friendly solution for location guidance in our city.

***Keywords*:** Digital Platform, Location Guidance, Web Application, Navigation System.

----------**********----------

1.INTRODUCTION

The project is a digital platform that guides the people to find the various places such as hospitals, banks, shopping sector, medicals etc. in our city and also the places around the city that they want to visit and even provide the information regarding the places.

Technology has become an important part of daily life and helps people solve many problems easily. One common problem faced by visitors, students, and residents is finding important places in a new area. It is an educational and industrial area where many people come for study, work, and travel. They often need guidance to locate hospitals, banks, colleges, medical stores, shopping centers, and tourist places.

The project is developed as a digital platform to provide location guidance and useful information about different places in our city . The system allows users to search for locations and get details such as contact numbers and directions. It also suggests nearby popular places to visit. The main aim of this project is to make location searching easy, save time, and provide a user-friendly solution for people visiting or living in our city..

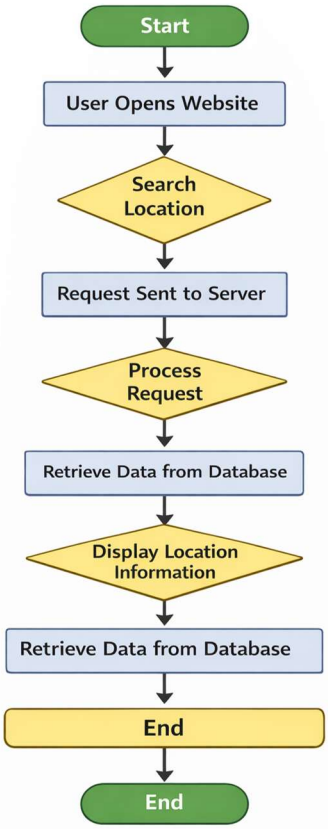
2. Literature review

Many navigation and guide systems are available to help people find locations and information. Applications like Google Maps provide directions and route planning for users. But these systems mostly focus on big cities and may not give proper details about small areas like Warananagar. Some guide systems are also developed for tourism or college campuses, but they work only for specific places. So, there is a need to create a simple and local guide system for users.The proposed system is developed to provide easy location guidance and important information about various places in the city.

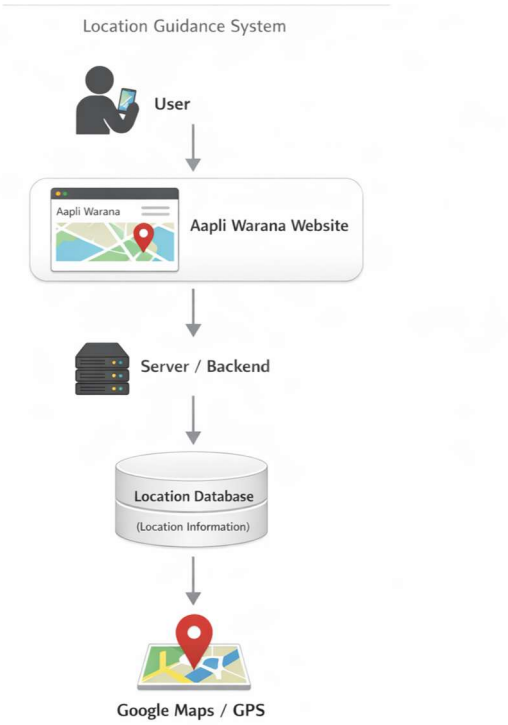
3. Methods

This system is developed using Visual Studio with Java language. The application collects location information of the city and stores it in a database. Users can search places and get navigation guidance through the app. The system follows a simple process: user login, location selection, and map navigation display.

4. Block diagram



6.System Architecture

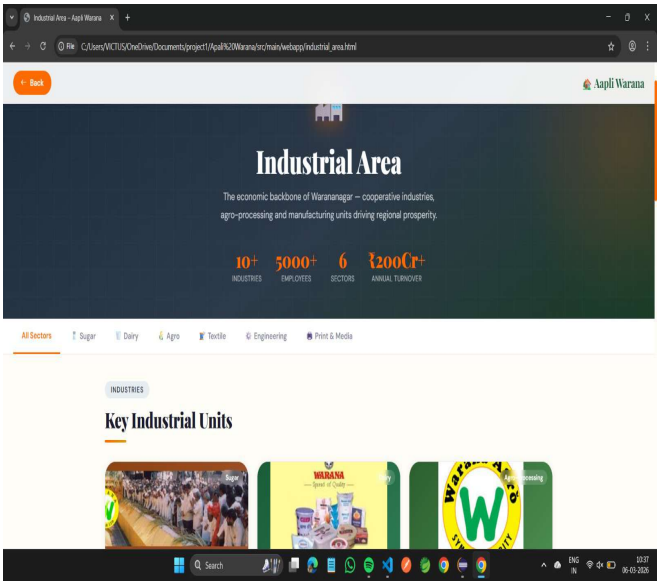


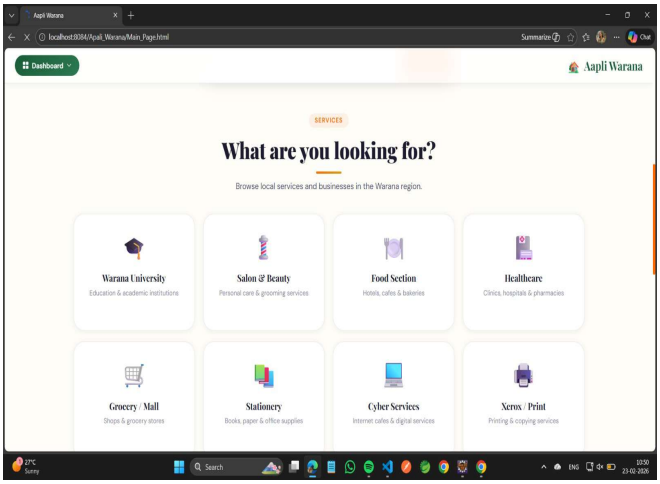
5. Findings

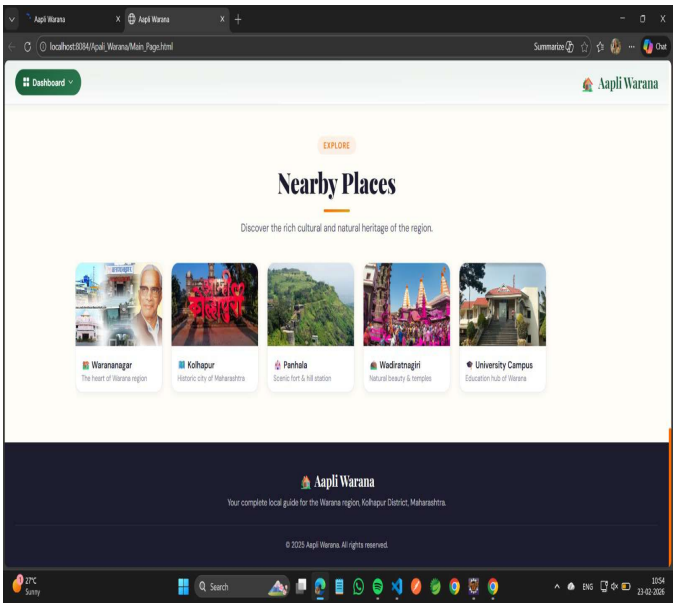
The developed application successfully provides location guidance to users in our city . Users can easily search places and navigate without confusion. The system reduces time consumption and improves user convenience compared to traditional methods of asking directions

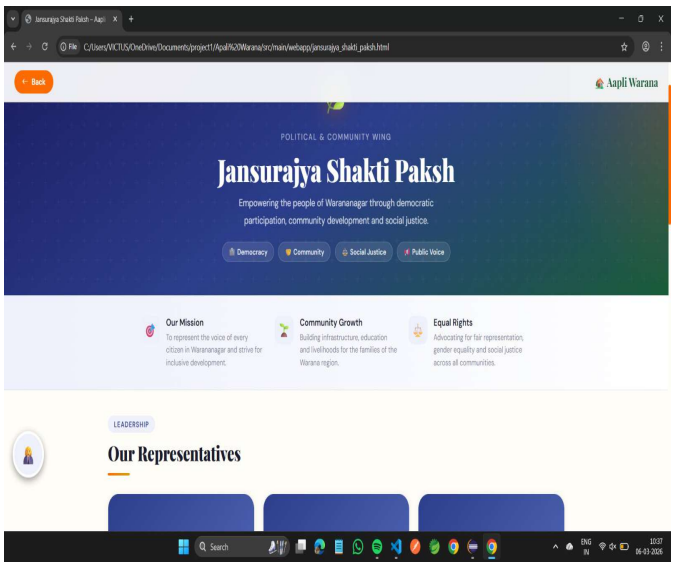
The system architecture of this project consists of three main components: the user interface, application processing, and the database. The user interacts with the system through a web interface. The application processes the user's request and retrieves location information from the database. The retrieved data is then displayed to the user along with directions and details.

7.RESULT AND IMPLEMANTION









8. CONCLUSIONS

The project provides an effective solution for location guidance in our city. It helps users quickly find important places and reduces the effort required to search for information. The system is simple, useful, and beneficial for students, visitors, and local residents. In the future, the project can be improved by adding more features such as mobile application support and GPS integration. Overall, the project achieves its goal of providing an easy and reliable location guidance platform.

9.REFERENCES

[1] Mainuck Das; Aniruddha Ghosh; Minakshi Kumari; Vikky Kumar; Ananta Barman; Tanima Sikder, ” Travela: Web Based Travel Solution”,2025.

[2] Deepanjal Shrestha; Tan Wenan; Deepmala Shrestha; Neesha Rajkarnikar; SeungRyul Jeong, ” Personalized Tourist Recommender System: A DataDriven and MachineLearning Approach”,2024.

[3] Rickson Simioni Pereira; Claudio Di Sipio; Martina De Sanctis; Ludovico Iovino, ” On the Need for Configurable Travel Recommender Systems: A Systematic Mapping Study”,2024.

[4] Ashmi Banerjee; Adithi Satish; Fitri Nur Aisyah; Wolfgang Wörndl; Yashar Deldjoo, ” SynthTRIPs: A KnowledgeGrounded Framework for Benchmark Query Generation for Personalized Tourism Recommenders”,2025.

