

QuickFind

**A PROJECT REPORT
for
Mini Project (KCA353)
Session (2024-25)
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Requirements for the Degree of**

MASTER OF COMPUTER APPLICATION

**Under the Supervision of
Dr. AMIT KUMAR
(Associate Professor)**



Submitted to

**DEPARTMENT OF COMPUTER APPLICATIONS
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DECLARATION

We hereby declare that the work presented in this report entitled "**QuickFind**", was carried out by us. We have not submitted the matter embodied in this report for the award of any other degree or diploma of any other University or Institute.

We affirm that no portion of our work is plagiarized, and the experiments and results reported in the report are not manipulated. In the event of a complaint of plagiarism or the manipulation of the experiments and results, we shall be fully responsible and answerable.

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CERTIFICATE

This is to certify that **VINEET PANDEY, UJJWAL SINGH PUNDIR, ZEESHAN HUSAIN,** and **TINKU SINGH** have successfully carried out the project work titled "**QuickFind**" for their **Master of Computer Applications (MCA)** under the supervision of **Dr. Amit Kumar, Assistant Professor, Department of Computer Applications, KIET Group of Institutions, Ghaziabad.**

The work embodied in this report is original and has not been submitted for any other degree or diploma.

This is to certify that the above statement made by the candidate is correct to the best of our knowledge.

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ABSTRACT

QuickFind is a web-based platform designed to help users discover nearby shops and local service providers using geolocation technology. The platform provides real-time information about businesses in the user's vicinity, categorized by services, and includes a feedback mechanism for users to review and rate providers.

The project was developed using modern web technologies like Django for the backend, React.js for the frontend, PostgreSQL for database management, and Google Maps API for geolocation. Testing and deployment demonstrated that QuickFind offers accurate, fast, and user-friendly service discovery.

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INTRODUCTION

Problem Statement

In an increasingly digitized world, finding reliable local services quickly remains a challenge for many. Traditional directories are often outdated, and popular platforms may overlook smaller businesses.

Solution Overview

QuickFind is designed to address this issue by providing users with real-time, location-based access to nearby shops and service providers. The platform enables businesses to reach local customers more effectively and helps users make informed decisions.

Key Highlights

- **User-centric Design:** Intuitive interfaces tailored for diverse demographics.
- **Geolocation Integration:** Accurate results based on the user's current position.
- **Scalability:** A robust backend architecture ensures seamless operation with increasing users.

Team Contribution

The project was collaboratively developed by four team members under the mentorship of Dr. Amit Kumar, with contributions in design, coding, and testing.

4. Objectives

1. To create an intuitive platform for finding local shops and services.
2. To leverage geolocation technology for real-time search and filtering.
3. To ensure scalability and adaptability for future expansion.
4. To facilitate easy onboarding for businesses.

5. Literature Review

Existing Solutions

- **Google My Business:** Offers extensive business listings but lacks detailed local categorization.
- **Justdial:** Covers a broad range of services but is cluttered and less user-friendly.
- **Zomato/UrbanClap:** Specialized platforms focusing on specific niches (e.g., food, home services).

Research Findings

- Local business discoverability remains a gap in rural and semi-urban areas.
- User preferences lean towards platforms with easy navigation and real-time updates.

Technological Insights

- Geolocation-based services have seen a 25% increase in user engagement.
- Open-source frameworks like Django and Flask streamline rapid prototyping.

6. System Design and Architecture

- Stage 1: Setting up the project environment and basic skeleton.
- Stage 2: Developing core functionalities and integrating APIs.
- Stage 3: Testing and optimization.

8. Features and Functionalities

1. **Search:** Users can search for shops and services within a specific radius.
2. **Filters:** Refine results based on categories like groceries, healthcare, etc.
3. **Feedback System:** Ratings and reviews from users.
4. **Responsive Design:** Ensures compatibility across devices.

9. Technologies Used

Technology	Purpose	Example
HTML/CSS	UI design	Responsive layouts
React.js	Front-end framework	Interactive components
Django	Back-end framework	REST API development
PostgreSQL	Database	Data storage
Google Maps API	Geolocation services	Dynamic map rendering

