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E-Vikreta

Arbaj Shaikh, Shivam Sonawane, Isha Supe

Student, Department of E&TC Engineering, RMD Sinhgad School of Engineering, Warje , Pune, India

ABSTRACT: E-Vikreta is an online platform that connects local vendors, peddlers, and collectors with customers for essential daily services, promoting community and environmental sustainability. It provides easy access to services such as electronic scrap collection, plastic waste disposal, shoe repairs, social services, cycle repairs, and old newspaper collection. Through a user-friendly app or website, customers can find nearby vendors and peddlers, request services, and track orders conveniently. For local vendors and peddlers, E-Vikreta offers a digital platform that increases visibility, helping them reach a broader audience and grow their businesses. The platform includes multi-language support, making it accessible to people from various backgrounds, and secure payment options enable hassle-free, cashless transactions. With a focus on eco-friendly practices like waste reduction and local sourcing, E-Vikreta benefits both the environment and community values. Combining convenience, inclusivity, and support for small businesses, E-Vikreta aims to improve customers' daily lives while strengthening local economies.

I. INTRODUCTION

E-Vikreta is a digital platform created to connect local vendors with customers for daily essential services, such as grocery delivery, milk supply, newspapers, and minor repairs. It helps small vendors expand their reach by giving them an online presence, enabling them to serve more customers with minimal investment in technology. Traditionally, local markets relied on direct, in-person interactions, but the rise of e-commerce has reshaped retail, primarily benefiting larger businesses while leaving small vendors with limited access to digital tools. E-Vikreta fills this gap, providing a space for small vendors in a sustainable way that meets local needs and values. Existing research on digital platforms for local vendors highlights the benefits of mobile applications but shows that current solutions often lack multi-language support, environmental initiatives, and tailored support for services that customers need regularly. This review will explore E-Vikreta's potential to bridge these gaps by creating a community-centered, language-friendly platform that can enhance small businesses and support local economies. However, the platform must overcome challenges such as accessibility, secure transactions, and reliable digital infrastructure for small-scale vendors. This analysis aims to outline E-Vikreta's role in empowering local businesses while also understanding the constraints and limitations of digital solutions in this context.

II. LITERATURE SURVEY

2.1: I Don't Want an App to Do the Work for Me": A Qualitative Study on the Perception of Online Grocery Shopping From Small Food Retailers Online grocery shopping from small stores is beneficial in low-income urban areas but faces challenges like pride in in-person shopping, limited digital skills, low awareness and the need to allow SNAP payments online. Online shopping from small stores offers convenience, allowing customers the store to buy groceries from home without needing to visit.

2.2: Local Shopping Platforms – Harnessing Locational Advantages for the Digital Transformation of Local Retail Outlets: A Content Analysis
This study explores how Local Shopping Platforms (LSPs) assist small local stores (LOOROs) in adopting digital tools. It analyzed 27 LSPs and found that while these platforms help LOOROs enter e-commerce, they often focus too much on online services and don't fully utilize the physical stores' strengths. LSPs help small local stores easily enter the digital marketplace, increasing their online visibility.

2.3: Android-based Mobile Application Development to Connect Local Vendors with Customers
The DigitalVikreta app was created to support small retailers hit by COVID-19. It helps vendors showcase products, connect with customers, and offer online ordering and delivery tracking, aiming to boost the local economy and expand vendor reach. DigitalVikreta helps local vendors reach more customers and boost their sales through online features

2.4 Empirically Guided Online Business Platform Development for Local Vendors: UsabilityPerspective

This study created an online platform that helps local vendors easily enter e-commerce by addressing usability concerns. It simplifies selling, ensures secure payments, and supports local delivery, making online business accessible. The platform benefits both vendors and customers by combining local commerce with the convenience of online shopping.

2.5 E -Commerce Website for Local Goods

Several studies examine the architecture and design of on-demand platforms that connect service providers with customers. These platforms, like HomeServe, focus on connecting customers with local services while maintaining scalability, security, and transparency.

2.6 Home Server: The On Demand Home Services Platform

There is extensive literature discussing the growth of e-commerce, specifically how digital platforms can empower small businesses to reach broader audiences. These studies review the role of technology in reducing barriers for vendors with little technical expertise and offer frameworks for scaling delivery services and integrating user feedback mechanisms, which are vital for platforms

2.7 Review of Online Food Delivery Platforms And Their Impacts On Sustainability

Research has highlighted how platforms that connect local vendors with consumers can disrupt traditional business models. The papers explore the economic, social, and environmental impacts of these platforms, touching on issues such as vendor visibility, market dynamics, and sustainability.

2.8 From Local To Global Developing E-Commerce Platform To Empower Local   Vendors

This paper highlights how digital platforms can bridge the gap between customers and small vendors, emphasizing the economic and social benefits of supporting local commerce. The authors discuss the implementation of easy-to-use and cost-effective digital solutions tailored for small businesses, with an aim to drive their success in a competitive market.

2.9 Analysis Of Online Marketplace For Local Vendors

This paper discusses the essential elements of developing hyperlocal e-commerce applications. It highlights the importance of user-friendly design, accurate local inventory management, personalized customer recommendations, and integrating logistics for efficient last-mile delivery. These features can help optimize the platform, improving user experience and supporting local vendors' accessibility in digital markets.

2.10Vendor Link: Connecting Customers And Vendors

This paper outlines a similar project aimed at connecting street vendors with local customers via a mobile app. The research highlights the use of geolocation for locating vendors, along with feedback systems for improving service quality. This aligns with E-Vikreta's customer-vendor proximity goals and might provide insights into app features like vendor profiles, real-time location, and easy search functionality

2.11Vocal For Local

This paper discusses an e-commerce platform designed for small businesses, with a focus on user-friendly interfaces and secure payment options. It emphasizes community growth through accessible digital marketplaces, which might align well with E-Vikreta's goals of local vendor engagement and direct sales without intermediaries

2.12Review Of Online Food Delivery Platform And Their Impacts On Sustainability

The papers explore the economic, social, and environmental impacts of these platforms, touching on issues such as vendor visibility, market dynamics, and sustainability. It simplifies selling, ensures secure payments, and supports local delivery, making online business accessible.

2.13Literature Review On Business Prototype For Digital Platform

This paper explores various business models that digital platforms use to benefit both sellers and customers, analyzing the impacts on both ends of the market. It emphasizes community growth through accessible digital marketplaces, which might align well with E-Vikreta's goals of local vendor engagement and direct sales without intermediaries

2.14Market-e : An E-Commerce Platform For Local Markets
This research investigates how technology can support small vendors and provide them with a competitive edge against larger chains. It discusses the importance of an inclusive platform that integrates low-cost digital tools to improve vendor accessibility and customer reach.
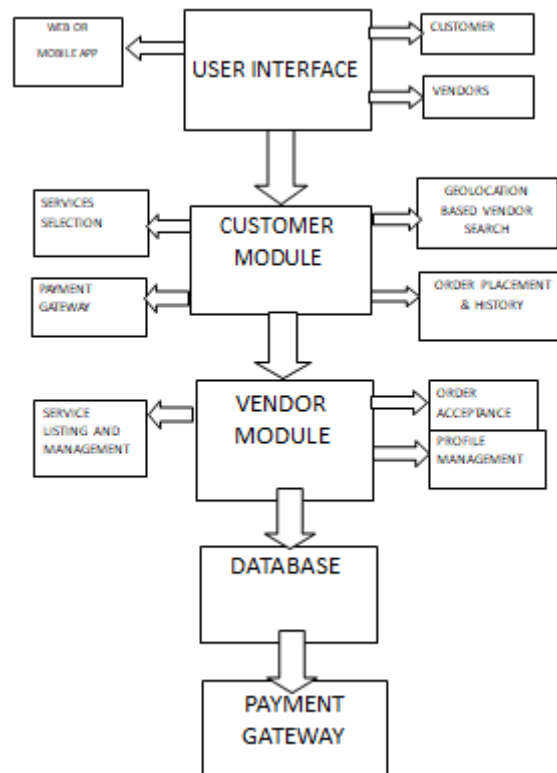
III. SYSTEM ARCHITECTURE

Fig.1.System Architecture

IV. SYSTEM DESIGN

E-Vikreta is an easy-to-use online platform that helps local vendors and customers connect for everyday services. Here's a simple explanation of how it works:

1. Customer Sign-Up:
Customers download the app or visit the website to sign up by entering basic details like their name, phone number, and location. Once registered, they can log in to browse services like grocery delivery, milk, or repairs.

2. Vendor Registration:
Local vendors offering services such as newspaper delivery, groceries, or repairs create an account on E-Vikreta. They list their services, set prices, and specify areas they can serve. This allows them to reach customers nearby.

3. Service Browsing:
Customers use the app to search for services they need. For example, they can search for nearby grocery delivery or raddi collection. E-Vikreta shows them a list of available vendors in their area based on their location.

4. Placing an Order:
After selecting the desired service, customers can place an order directly through the app.
The vendor gets a notification about the order and can accept it.

5. Order Processing:
Once the vendor accepts the order, they prepare the service (like packing groceries or scheduling a repair visit. The vendor keeps the customer updated about the progress of the order through the app.

6. Payment:
Customers can pay for services using the app's built-in payment system. They can choose different options like credit/debit cards, online wallets, or even cash on delivery.

7. Service Delivery:
The vendor delivers the product or service to the customer. For repairs or waste collection, the vendor might visit the customer's home. Once the service is completed, customers can confirm receipt and rate their experience.

8. Feedback and Reviews:
After the service, customers can leave a review and rate the vendor. This helps improve the quality of services and build trust between users.

9. Admin Supervision:
E-Vikreta's admin team manages the platform, ensures everything runs smoothly, and resolves any issues that might come up between vendors and customers.
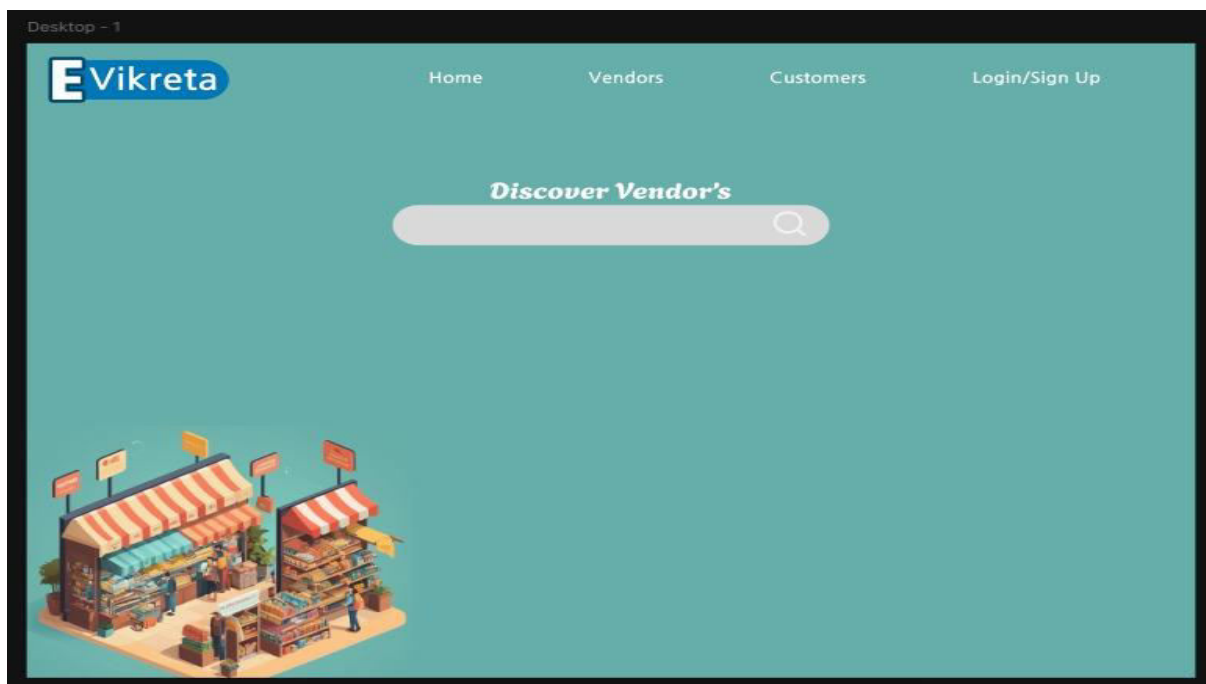
V. RESULT AND DISCUSSION

Fig.2.Home Page

The E-Vikreta homepage is designed for simplicity and functionality, making it easy for both customers and vendors to navigate and access features quickly. Here's an overview of key elements and user experiences on the homepage. At the top of the page, new users can easily register, and returning users can log in. This streamlined access helps people get started or return to their accounts with minimal step. The homepage prominently features a search bar where users can quickly find local vendors by service type or location, making it simple to locate specific services or items they need. The homepage includes clearly labeled categories for various services like waste collection, repairs, and essential goods. This makes browsing convenient and saves users time in finding the exact service they need.

VI. CONCLUSION & FUTURE SCOPE

E-Vikreta bridges the gap between local vendors and customers by offering a simple and inclusive digital platform for essential services like repairs, waste collection, and daily needs. It empowers small businesses by providing them with an online presence, helping them grow in the digital economy while making it easier for customers to access trusted local services. In the future, E-Vikreta can add more services like health check-ups and home repairs, expanding its usefulness to customers. By analyzing customer preferences, it can offer personalized suggestions to improve shopping experiences. With the addition of more languages and regional coverage, the platform can reach more diverse communities. Furthermore, it can provide vendors with insights to grow their businesses and implement eco-friendly delivery practices to promote sustainability. Overall, E-Vikreta enhances convenience, supports local economies, and contributes to sustainable growth.

ACKNOWLEDGEMENT

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