iJRASET
International Journal For Research in Applied Science and Engineering Technology



INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Volume: 11 **Issue:** V **Month of publication:** May 2023

DOI: https://doi.org/10.22214/ijraset.2023.52451

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International Journal for Research in Applied Science & Engineering Technology (IJRASET)
ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538
Volume 11 Issue V May 2023- Available at www.ijraset.com

Web-Based Service-Providing Platform (Labour Mitra)

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Abstract: ***The on-demand home service system is a highly beneficial resource for anyone in need of services like plumbing, electronic repair, gas range fixing, and RO maintenance, among others. This system also caters to the service and maintenance of electrical systems. In today's fast-paced world, time-saving and hassle-free solutions are highly sought after, especially when relocating to a new place. Online home services offer a convenient solution to these problems. Our system is designed for two types of users: service providers and service seekers. Service providers are an integral part of our project and can register on our website by providing details of their services and additional offerings. To learn more about a particular service provider, users can access their phone numbers on our website. This feature makes it easier for users to connect with the service provider of their choice and get their issues resolved promptly. In summary, the on-demand home service system is a useful tool that connects service providers with users seeking assistance. which ultimately the platform for reducing unemployment in labor and the gap in getting work. with just a few clicks, users can easily access the services they need while providers can showcase their skills and expand their customer base.***

Keywords: SQL, services, labor, employment, database, connectivity, formatting, style

I. INTRODUCTION

This In India, domestic work employs a significant number of workers, ranging from 20 million to 80 million, according to the International Labour Organization (ILO). Historically, domestic work has operated within informal networks, with customers and workers relying on local and community connections to connect with one another. However, in recent years, digital platforms have emerged as an alternative means of connecting domestic workers with urban customers who are tech-savvy. These platforms offer the convenience of online accessibility for customers while providing workers with more flexibility, control over their schedules, and opportunities for increased earnings and reduced unemployment. By leveraging digital platforms, both customers and workers can benefit from the streamlined nature of online connections, and the ability to reach a wider audience.

Furthermore, digital platforms can help formalize the domestic work sector, providing better protections for workers and ensuring fair compensation for their services. Overall, digital platforms offer a promising solution to the traditional challenges faced by domestic workers and have the potential to revolutionize the sector by increasing transparency, fairness, and opportunities for growth. The primary goal of on-demand home services is to deliver services with a single click. This paper discusses web home services. The number of services offered and, consequently, how they are ordered and delivered. Registered individuals often visit on-demand home services systems using an innovative online application to look for domestic services. The development of a web-based online system aids in locating home services and providing a collaborative interface to do so.

II. LITERATURE SURVEY

Mobile applications are becoming an integral part of our lives, whether we use them for personal purposes, work-related activities, or amusement. A corporate-based mobile application for Android users called "Domestic Android Application for Home Services" links clients and service providers by using the GPS (Global Positioning System). Customers request home services, and the nearest service provider is assigned to meet their needs depending on their location by retrieving their latitude and longitude. This program offers a large potential for combining maps to enable drag and drop to another place, expanding the functionality of the current system "FacilityKart" application, which does not incorporate GPS into its application.[1]

Delivering home services with just one click at the doorstep is the main goal of the online system for household services. This essay examines the primary topic of online home services, the variety of services offered, and how services are ordered and delivered.

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Any authorized user wishing to look for home services using a clever web-based system or a mobile application may Utilize the online system for such services by supplying the necessary credentials at the time of registration, to offer an authenticated and authorized login module for the users, such as service seekers, service providers, and the admin. to create a mobile application that is equivalent to a web-based online system for choosing home services.[2]

There are many online home service systems in existence which are discussed briefly in this section. Urban Clap has offered a range of cutting-edge services. However, they have done so, particularly in cities like Mumbai, Delhi, Chennai, and Bangalore. This technique was a stepping stone for almost 10,000 professionals. The one-stop shop for all household services is called Help. This method offers all the services that the customers have requested anytime they are needed or on an annual maintenance basis for yearly fees.[3]

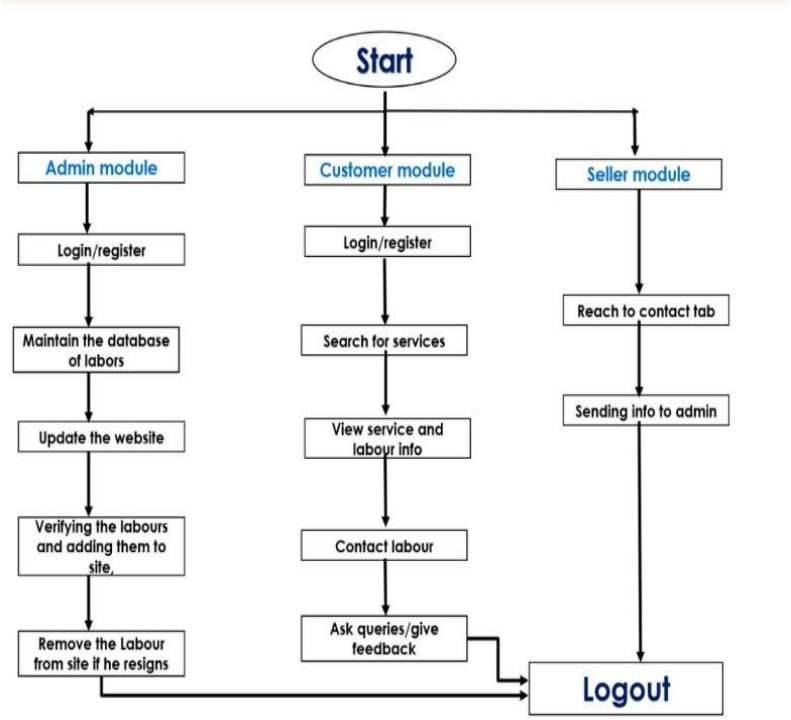
The case study describes how a technology company faced staffing shortages across its 50+ distribution centers due to high turnover rates and a challenging labor market, which affected its ability to fulfill customer orders. The company needed a reliable and cost-effective way to source on-demand labor quickly to keep up with operations and meet customer expectations. The company partnered with GigSmart, a platform that provided a solution to source on-demand workers within an hour, allowing the company to fill gaps in its workforce efficiently. GigSmart's solution enabled the company to maintain a competitive edge in the delivery market by providing the flexibility and scalability needed to succeed in today's labor market.[4]

This case study describes how a retailer faced a significant staffing challenge when opening a new store in a tough staffing market. The retailer needed to find and hire qualified candidates quickly to ensure a successful launch but faced delays due to staffing shortages. The retailer turned to GigSmart, which connected them to a pool of over 800,000 available workers, enabling them to fill over 300 shifts in just 10 days. GigSmart's technology allowed the retailer to post job openings and identify the best candidates for each position easily, saving them time and money.[5]

The article discusses the development of an online system for household services, which aims to provide a marketplace for services such as plumbing, electrical works, and carpentry. The system provides a platform for communication between service providers and customers, and a feedback-based rating system is implemented to improve the skills of service providers.

The system also includes an authenticated login module and a secure online payment gateway. The article lists the hardware and software requirements for the system and suggests that in the future, more services could be added.[6]

III. SYSTEM WORKING

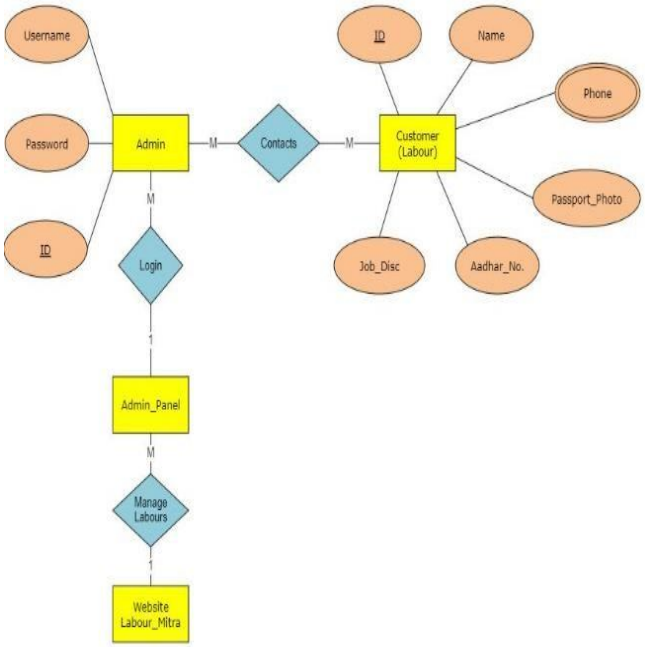


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We have developed a web app for Labors called as LabourMitra. So we have used HTML, CSS, and JavaScript for frontend development and used PHP for the backend. So we have used the XAMPP server for database connectivity. Also, we have created an Admin panel in which the admin will first log in and then add the labor details information in the form and submit it. Then the labor gets reflected on our website on our UI. All the queries are written using PHP language to communicate with our website with the server

A. ER Diagram

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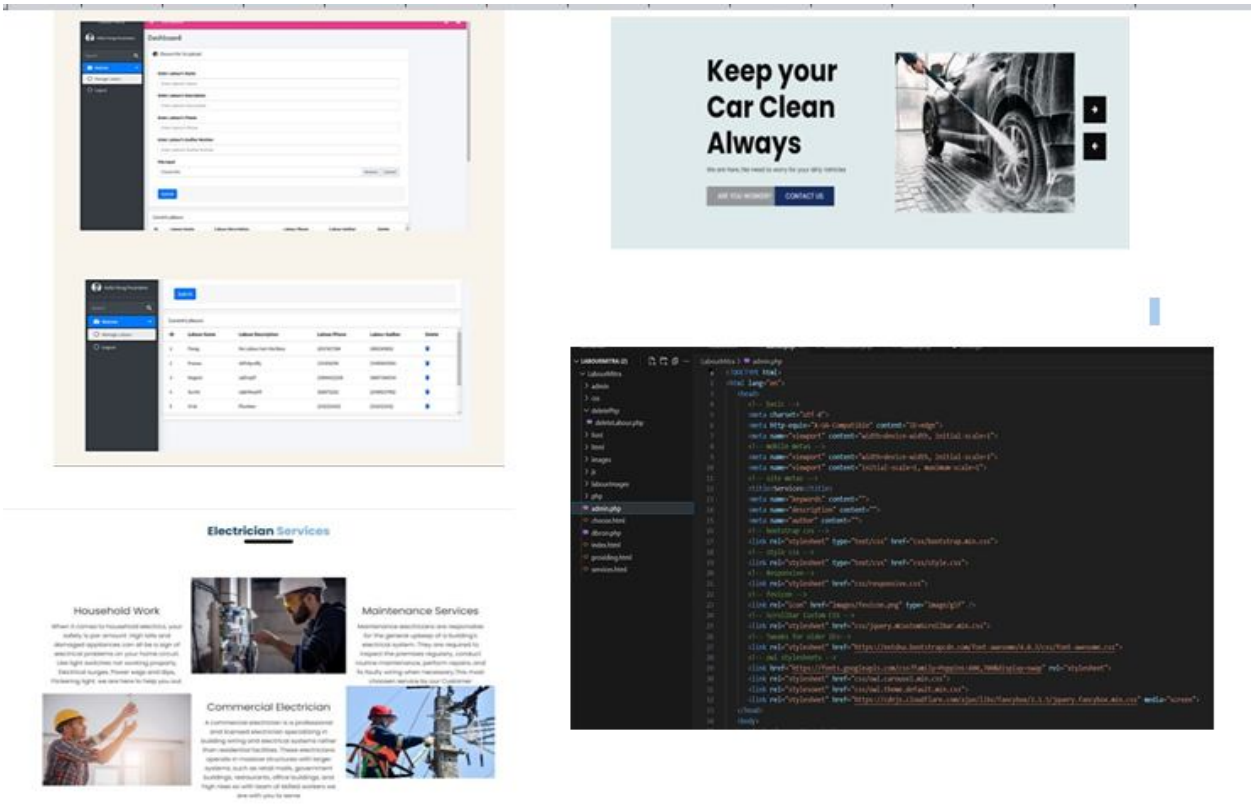
IV. RESULTS



Admin login page



ADDED LABORS FROM DATABASE



Overall images of website describes as follows .The admin panel of the online service providing software or website features a clean and intuitive design, with a user-friendly interface. It provides administrators with comprehensive control over the website, allowing them to manage user accounts, service providers, and monitor user activities effectively. The login page ensures secure authentication, protecting user accounts and granting access to personalized features. The web pages showcasing labor images and data exhibit a visually appealing layout, presenting a diverse range of skilled labor. Users can easily browse through the different types of services available, including construction, plumbing, electrical work, gardening, and more. The website's online service providing platform offers a convenient way for users to search for and hire the required labor, streamlining the hiring process. With its rich database of labor images and detailed profiles, the website instills trust and confidence in users, aiding them in making informed decisions. Overall, the website serves as a comprehensive solution for users seeking reliable labor and services, providing a seamless experience from browsing to hiring.

VI. CONCLUSION

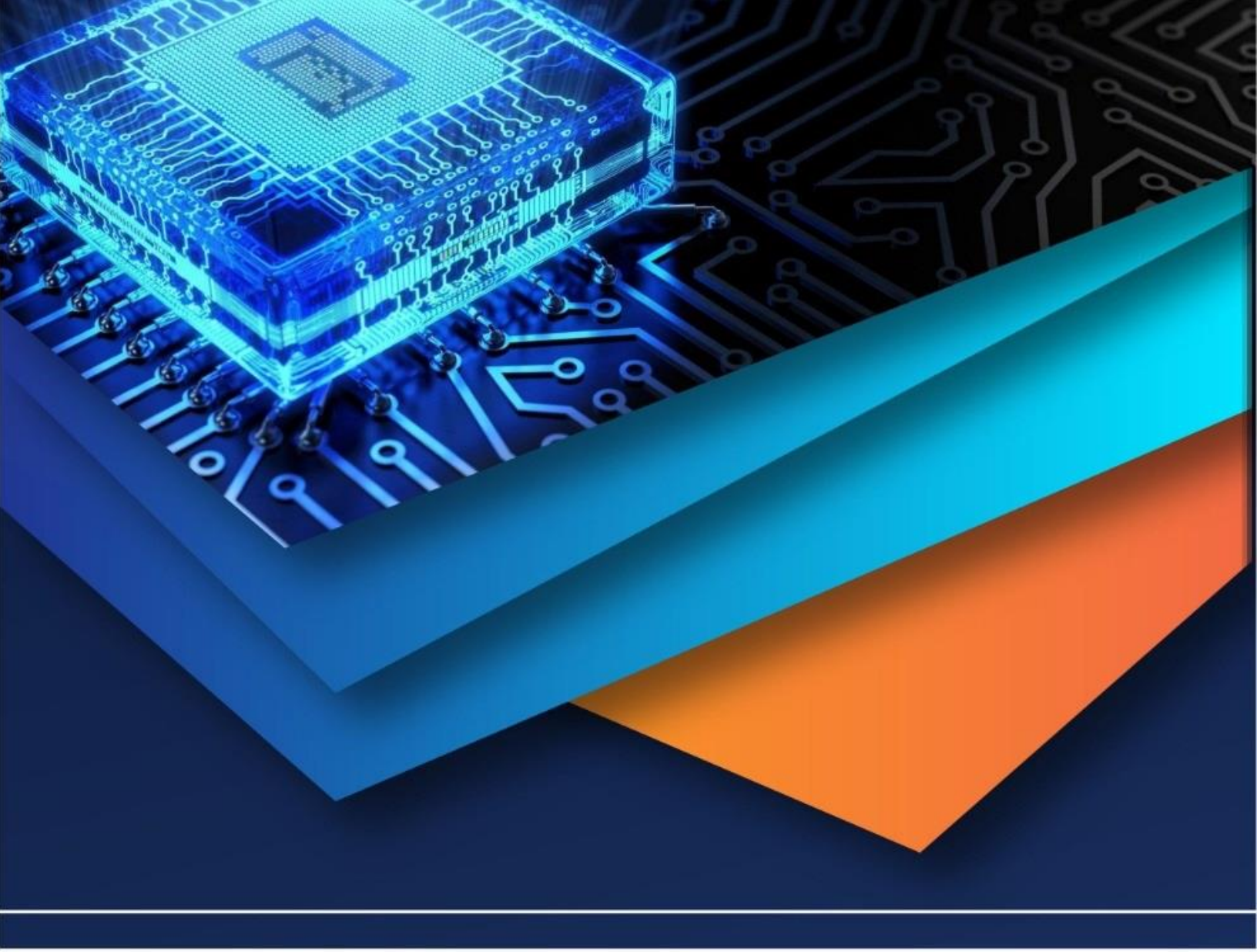
Web-based service-providing applications have emerged as a powerful tool to tackle unemployment and provide better income opportunities for workers in the home services sector. By connecting service providers with customers in a streamlined and efficient manner, these platforms help reduce the reliance on informal networks and provide better protections for workers. Moreover, the convenience and accessibility of online platforms offer customers a hassle-free way to access a range of services from the comfort of their homes, while service providers benefit from increased flexibility, control over their schedules, and the potential for increased earnings. Web-based service-providing applications are poised to play a critical role in shaping the future of work in the home services sector

V. ACKNOWLEDGEMENT

My colleagues and I use this occasion to offer gratitude and heartfelt thanks to Kapil Mundada and the HOD of the Department of Instrumentation and Control Engineering, Vishwakarma Institute of Technology, Pune, for their excellent instruction, passionate attitude, and recommendations during our thesis study. We are incredibly privileged to operate under their guidance.

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