



# WAGE: A website for daily wage workers.

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**Abstract** - This paper presents a web development project aimed at tackling the problem of unemployment in India. The platform offers a range of job opportunities to both skilled and unskilled workers, including plumbing, construction, gardening, waitering, watchmen, farming, sweeping, babysitting, carpentry, mechanics, newspaper delivery, and more.

The website offers workers the option to work part-time, full-time, or as per the recruiter's order, making it flexible and easy to manage their financial needs. The platform also benefits recruiters by providing them with a database of skilled workers without the need for advertising or searching. Women are also encouraged to participate, promoting gender equality.

The website has a strict age limit of 18 to 60 years, and senior citizens are limited to work based on their health. To cater to those who cannot read or understand English, the website will offer regional language options. The paper is structured systematically, starting with an introduction, followed by a literature review, methodology, testing/experiments, results, conclusions, acknowledgments, and references. The paper's ultimate aim is to increase employment opportunities in India and reduce the unemployment rate, ensuring that no person remains jobless.

**Keywords** - Daily wage workers, Wages, web development, workers, Recruiters, jobs, better employment, Digital skills, Low-income communities, technology, job opportunities, learning, Coding, Human-computer interaction.

## I. INTRODUCTION

Nowadays, finding jobs is not as easy as it used to be. With advancement in technology and new machinery, it's getting difficult for daily wage workers to find jobs daily as per requirement. This is also generating a rise in the unemployment rate.

Even when they have the necessary skills required for that particular job it's difficult to find a job due to lack of information. Also after getting the job, many work in poor quality jobs with harmful environments and are paid below the minimum requirement.

So we are creating this website aiming to reach towards those people who aren't able to easily access jobs in their desired area. Through our website, the recruiter can directly contact employees for a job. Even unskilled workers can apply for jobs that do not require any skill. Also, our vision is to provide jobs to the people who have the skills but aren't able to get jobs due to geographical restrictions and lack of information.

## II. LITERATURE REVIEW

The issue of minimum wages and the suffering of low paid workers is a significant global phenomenon that affects millions of people around the world. Despite the best efforts of governments and non-governmental organizations, the problem persists and continues to be a major challenge to this day. The lack of a comprehensive plan to address the issue has resulted in millions of low-paid workers being left without adequate protection or support.

The COVID-19 pandemic has further highlighted the plight of daily wage workers in India. During the lockdown, many daily wage workers were left with no option but to migrate back to their villages due to the lack of job opportunities and restrictions on movement. This has had a devastating impact on the lives of these workers, who already struggled to make ends meet before the pandemic.

The issue of minimum wages is not just a matter of financial support. It is also a question of dignity and respect. Every worker, regardless of their profession or social status, deserves to be treated with fairness and respect. The lack of a decent minimum wage not only robs workers of their dignity but also prevents them from being able to provide for their families.

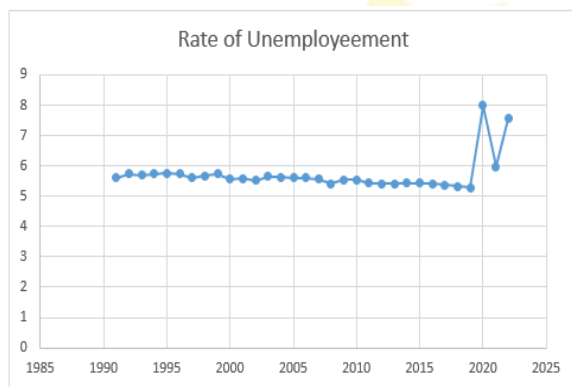


CHART 1 GRAPH OF UNEMPLOYMENT RATE IN INDIA (YEAR-WISE)

### III. METHODOLOGY

#### A. Deciding our website's goals

Our first step was to decide the aim of our website. So, we decided to create a website for daily wage workers aiming to reach those people who aren't able to easily access jobs in their desired area and to provide jobs to the people who have the skills but aren't able to get jobs due to geographical restrictions and lack of information. We decided to create a website that provides jobs to people wherever and whenever as per their requirement.

#### B. Conducting research and gathering information

Next, we gathered information about daily wage workers, including their living and working conditions, the industries they work in, their minimum salaries, challenges they face with job finding, and jobs that require workers daily. We conducted our research by going through various websites, case studies, surveys, research papers and other online sources.

#### C. Content strategy

To ensure that our website met the needs of our target audience, we conducted extensive research to determine its working and interface.

After careful consideration and discussion, we concluded that it would include features such as full-time and part-time job listings, the ability to search for jobs by entering keywords and location, and information related to the amount paid to complete the job. By taking these factors into account, we were able to design a website that would provide job seekers with valuable information and resources, while also assisting potential employers in finding qualified and suitable candidates.

#### D. Design and development of website

We proceeded with finding various coding languages, platforms and applications to create a website. So, we decided to use VScode as the application to develop our code. To develop any website, it is essential to include both the frontend and backend components, as they are equally necessary for creating a functional and effective online platform. So, our initial step was to identify the necessary resources and programming languages for both frontend and backend development.

So first, we viewed relevant concepts from YouTube to gain a deeper understanding of website design and development, and we solved any code errors encountered during the development process.

Then, we first started working and coding on the Frontend part by referring codes from various websites such as Bootstrap and Unsplash to create a user-friendly interface.

Thirdly, for the Backend, we utilized Django, a powerful web framework that simplified database collection and allowed us to quickly resolve any code-related issues. We referred to the Django website, YouTube, and various other resources to solve any errors that arose during the development process.

### IV. TESTING AND EXPERIMENT

Our testing and experimentation process for website optimization involved using different devices and web browsers to ensure that the website was functional and accessible for all users. We began by testing the website on different mobile devices that supported various operating systems such as Windows, Android, iOS, and other mobile phones. This helped us identify and resolve any compatibility issues and optimize the website for use on different devices.

In addition to mobile devices, we also tested the website on different laptops with

various operating systems such as Mac, Windows, and Linux. This allowed us to ensure that the website was optimized for use on a wide range of devices.

Furthermore, we experimented with different web browsers such as Google Chrome, Mozilla Firefox, Brave, Microsoft Edge, and Safari. This enabled us to identify and address any compatibility issues that could arise due to the different features and functionalities of web browsers.

To create a user-friendly website, we designed an interactive interface that was easy to navigate and understand. We created simple and concise pages that conveyed information in a straightforward manner, making it easy for users of all education levels and backgrounds to access and use our website with ease.

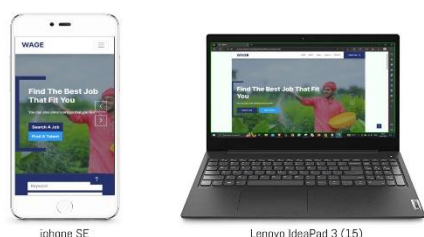


Fig. 1. Our website on different devices.

Our testing and experimentation process allowed us to create a fully functional and accessible website that was optimized for use on different devices and web browsers. The user-friendly interface we designed further improved the user experience and made it easy for users of all backgrounds to access and use our website with ease.

## V. RESULTS

Through our website, the workers can find work by logging into our website and providing their contact details. They also have the ability to choose a full time or part time job based on their interest and may choose the location to do the work. The salary for every job is already listed on the website along with the number of hours they have to work. Our website has a strict age limit of 18 to 60 years, and senior citizens are limited to work based on their health and also child labour is monitored that way. With all these details, the employee can choose their work and workplace by their preference. We also respect workplace protection laws and provide them with an adequate work environment.

Lastly, we will be creating an original

link for the website along with the code so that everyone can easily view the website on their phone. By following this approach, we were able to successfully develop a website for daily wage workers that effectively communicated the information to potential employers and workers.

## VI. CONCLUSIONS

Our website is a platform where workers can easily find employment within a shorter time frame. With the help of our website, workers that come from any place can work at any desired place and at any given time by finding jobs listed on our website. So, there is no need for continuous migration for the workers. Getting a job on our website is easy. There are no educational criteria required. The only criteria is that the worker should have the essential skill-set required to perform that particular job. So anyone can easily find jobs on our website.

In conclusion, web development is an essential tool that can help bridge the gap between employers and daily wage workers. Through the use of user-friendly interfaces and carefully chosen features, our website can help workers find suitable employment opportunities, while also providing employers with access to a qualified pool of candidates. By incorporating information related to pay rates, location, and more, this website can help create a more equitable labour market and empower daily wage workers to find meaningful work.

With continued innovation and a focus on meeting the needs of this population, web development has the potential to make a significant positive impact on the lives of daily wage workers.

## VII. ACKNOWLEDGEMENT

We would like to extend our sincere thanks to our mentors at VIT who supported us throughout our project, providing invaluable guidance and encouragement as we learned and explored new technologies. Their expertise and guidance helped us to develop a strong understanding of website development and inspired us to continue pursuing our passion in this field. We are truly grateful for their contributions to our education and development.



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