**Software Requirements Specification**

For

**APPLICATION TO LOCATE SKILLED LABOURER FOR HIGHWAY CONSTRUCTION WORKS**

Version 1.0 approved

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**1.0 INTRODUCTION**

1.1 PURPOSE

The purpose of this document is to present a detailed description of **The Application To Locate Skilled Laborer For Highway Construction**. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the workers, contractor and the developers of the system and will be proposed to the Mentor for approval.

* 1. SCOPE OF PROJECT

To make the procurement of various categories of skilled/ semi-skilled worker in the highway sector we have developed a web portal using HTML , CSS , PHP and My-SQL . It includes options for workers to register themselves, for this they are required to fill a registration form consisting of their contact and skills details. Based on requirements highway contractors can contact the desired one for hiring the workers. To facilitate the users the portal also consist of ‘Contact Us’ and ‘FAQs’ sections. The project can help in providing employment to workers, fulfill the requirements of workers during highway construction, to provide a digital platform to contractors so that they do not have to search for workers, to increase opportunities for various skilled and semi-skilled workers to get work and that too with a good pay.

* 1. KEY LEARNING

Working on this project helped us in :

* Learning the basic web development components such as HTML, CSS and PHP.
* Learning the concepts of My-SQL for data storage.
* Understand the procedure of presenting and organizing web pages.
* Knowing the challenges in highway construction work in India.
* Getting an experience of teamwork and mutual coordination
  1. OVERVIEW OF DOCUMENT

The Overall Description section, of this document gives an overview of the functionality of the product. It describes the informal requirements and is used to establish a context for the technical requirements specification in the next chapter. The third chapter, Requirements Specification section, of this document is written primarily for the developers and describes in technical terms the details of the functionality of the product.

***CONTINUOUS BLOCK PROCESS OF THE APPLICATION***

**2.0 OVERALL DESCRIPTION**

2.1 REGISTRATION FORMS

2.1.1 PLACEMENT AGENCIES

Placement agencies after registeration are required to fill a registration form consisting of details of the agencies and their workers. The fields provided in the form are:

* NAME OF ORGANSATION
* BRN( BUSINESS REGISTRATION NUMBER)
* STATE
* CITY
* CONTACT NO.
* OFFICE ADDRESS
* NO. OF SKILLED WORKERS
* NO. OF SEMI-SKILLED WORKERS
* WAGES OF SKILLED WORKERS
* WAGES OF SEMI SKILLED WORKERS

2.1.2 HIGHWAY CONTRACTORS

AGENCY

REGISTRATION FORM

FORM

Search Article

Highway contractors who are in need of worker can search for the best suited agency based on their requirements from the various agencies registered with us. They have to fill the registration form, giving the details of their requirements and the type of skilled worker they want for their work.

2.2 CONTACT US

While providing the best ways to get in touch is an essential part of the contact page, there should be a little more thought put into it. No matter what industry or field you’re involved with, an amazing contact page has the  ability to entice visitors and convince them to either make a purchase or hire your services.

Since this can get a bit tricky, here are some tips that should help establish communication between you and your site visitors.

**Make Sure it’s Functional:** We know this is obvious, but take the time to double-check everything on the page. Having links that are broken or won’t send properly is just bad for business. If the email or phone number links are not functional, how can people communicate with you? That kind of defeats the purpose of the contact page.

**It Should Be Responsive:**  Since most of the web has gone mobile make sure your contact page works on all mobile devices. Plus, it makes life easier if you have a physical location since people can access a map on the contact page and locate your place of business from their phones.



**I HAVE SOME QUERIES**

WORKER HOW CAN I HELP YOU

2.3 FAQ

It basically consists of frequently asked questions that any person can have while using the website or any directions that a laborer may need.

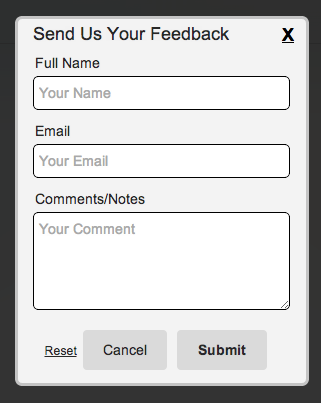
For now, we have added only basic questions like what is labor power and how do we register. We will further add some questions as we will expand our site make it more complex.FAQ will make it easy for the person who is registering with us to understand how we work and help them.

2.4 FEEDBACK



Feedback generally means information about reactions to a product, a person performance of a task, etc. which is used as a basis for improvement.

This website is for laborer, to provide them help by providing them best jobs according to their skills. We would design a feedback form so that we get to know either this thing is working properly or not, either laborers are taking benefit of this website or not. It consist of how was their experience working with us and if they want to give any suggestions and if they face any difficulties during their course of work.



**3.0 REQUIREMENT SPECIFICATION**

**3.1 COMMUNICATE:**

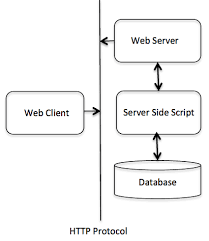
Firstly workers need to know about this scheme that there some helping hand provided by government to provide them with works of their skills and connect them with contractors. This can only done by advertisements and spreading awareness about it among people.

Workers can easily communicate with us by simply filling the form giving all their information, giving their contact details, specification about their skills , experience and expected income.

By grabbing the details filled by them we can communicate with them or the specific contractor can communicate with them.

***Initial Step-By-Step Description:***

1. The workers need to enroll themselves with some placement agencies.
2. These agencies will connect with us by registering themselves.
3. The contractors that already have been registered will declare

their demands and the agencies will fulfill the demands by providing them with the workers with specific skills.

**3.2 ADD WORKERS:**

We are using simple HTML form as our registration form.

HTML FORM:

A  **web form** or **HTML form** on a web page allows a user to enter data that is sent to a server for processing. Forms can resemble paper or database forms because web users fill out the forms using checkboxes, radio buttons, or text fields. For example, forms can be used to enter shipping or credit card data to order a product, or can be used to retrieve search results from a search engine.

The sample form in our project contains following elements:

* a text box asking for labour name
* a pair of radio buttons asking you to pick your sex
* a pair of check boxes to click on if they apply to you
* a text area to describe your labour skills
* a submit button to send it to the server

by filling these forms agencies can add their workers and take the benefits of the website.

**3.3 UPDATE WORKERS:**

Contractors will announce a list of labourer they required for their construction work with specific skills and numbers also. Now we have two options either agencies will assign workers to the respective contractor or worker will apply for the same and contractor will choose according to them.

If we choose first option then we have to contact each workers through message or a call about where they have been assigned to work and how much they will be paid and we have to make sure that every contractor will be satisfied and workers get work time to time means they and are not empty handed.

For next option worker and contractor will contact each other directly and their will be no third party. Workers will need to check the website time to time to check whether any new portal is or not for them to apply.

**3.4 SECURITY:**

If you run a website personal or business or government then ensuring that it is secure is important for a number of reasons , as shown below:

* To prevent malware being uploaded to your site
* To prevent phishing emails being sent via your site.
* To reassure your website visitors that your website is safe
* To get better ranking in google search engine
* To protect your business from getting hacked and to protect against losing vital data

There are two main ways to secure your website:

* Switch to secure HTTPS
* Use a website security seal with malware detection

**4.0 CONCLUSION**

India is a developing nation and various roads and highway projects are ongoing and many are proposed to be started across various parts of our country. But lack of highway workers is one of the biggest challenges in the way. So to overcome this problem the project will help to some extent by facilitating the procurement of manpower.