INDIRA GANDHI NATIONAL OPEN UNIVERSITY

(IGNOU)

MCSP -232

A Project Proposal

On

"JOB FINDER SYSTEM"

By

Purushottam Lal Karn

Enrollment No: 219152721

Under Guidance

Of

Er. Ashish Kumar Jha

Submitted to the School of Computer and Information Sciences, IGNOU in partial fulfillment of the requirements

For the award of the degree

Masters of Computer Applications (MCA)

2022 AD

Indira Gandhi National Open University

Maidan Garhi

New Delhi – 110068

PERFORMA FOR THE APPROVAL OF MCA PROJECT PROPOSAL (MCSP-232)

Project Proposal Number: ……..

Enrollment No: 219152721

Study Centre: ICA, Gyaneshwor

Regional Centre:

RC Code:

Email: puru2045@gmail.com

Mobile / Tel No: +977-9861492492

1. **Name and address of the student**: PURUSHOTTAM LAL KARN, Satoshar-3, Dhanusha, Nepal
2. **Title of the Project**: Job Finder System
3. **Name and Address of the Guide**: Er. ASHISH KUMAR JHA, Saibu-18, Nakkhu, Lalitpur
4. **Educational Qualification of the Guide:** O Ph.D. ● M. Tech. O B.E/B.Tech O MCA O M. Sc.
5. **Working / Teaching Experience of the guide**: Assistant Professor, Nepal Engineering College (9 years of development and teaching experience)
6. **Software Used in the Project**: HTML, CSS, JavaScript (Front End), PHP(Server Side Scripting), MySQL(RDBMS), PHPStorm, MySQL Workbench, phpMyAdmin (IDE), Draw.io, Balsamiq (Prototyping), Miro (Brain Storming), MS Word, MS Visio, MS Project (Documentation, Testing, Project Management)
7. Is this your first submission? ● Yes O No

Signature of the Student

_____

Date _____

Signature of the Guide

_____

Date _____

For Office Use Only

☐ Approved ☐ Not Approved

Name: …….....

……..

Signature, Designation, Stamp of the Project Proposal Evaluator

Date: ……..

Suggestions for reformulating the project

INDIRA GANDHI NATIONAL OPEN UNIVERSITY

(IGNOU)

MCSP -232

A Project Proposal

On

"JOB FINDER SYSTEM"

By

Purushottam Lal Karn

Enrollment No: 219152721

Under Guidance

Of

Er. Ashish Kumar Jha

Submitted to the School of Computer and Information Sciences, IGNOU in partial fulfillment of the requirements

For the award of the degree

Masters of Computer Applications (MCA)

2022 AD

Indira Gandhi National Open University

Maidan Garhi

New Delhi – 110068

ACKNOWLEDGEMENTS

First of all I would like to thank **Er. Ashish Kumar Jha**, Assistant Professor, Nepal Engineering College (NEC), my project guide for his valuable suggestions, and insights during the brain storming session to choose a project title from multiple possible options. This had been a very challenging task indeed.

I would also like to thank **Mrs. Padma KC**, Associate Director of Academics at International Centre for Academics (ICA), for her tireless support and constant inspiration to complete tasks on time. I would like to extend my heartfelt thanks towards **Er. Bishwadeep Mainaly**, Assistant Professor, NEC for his generosity, patience, thought provoking discussion and critical analysis during the project features selection.

I am grateful to have known **Mrs. Kusum Luitel**, the Librarian at International Centre for Academics (ICA), a wonderful persona who have never let me down with any resource requirements during project proposal development.

Last but not the least, I would like to thank my better half, **Mrs. Aastha Kumari Karn** and my son **Alex Lal Karn** for their patience, love and support shown while I remain engaged in research. I thank my parents to introduce me to two important life lessons in order to succeed in life, hard work and perseverance.

Purushottam Lal Karn

Enrollment No: 219152721

ABSTRACT

TABLE OF CONTENTS

LIST OF ABBREVIATIONS

LIST OF FIGURES

LIST OF TABLES

CHAPTER 1 – INTRODUCTION

Job Finder System, aims to develop an online job search portal in order to facilitate the job seekers to get the information and apply on the most suitable job as per their skill set. This system can be used for providing information related to new job openings in the desired area of interest. The study shows that most of the employees who hold the position without interest in the nature of work they perform are likely to either switch their job, sooner or later, or their performance degrades day by day.

There are multiple ways through which jobs are being searched. Social media, print media, referrals, websites and human resource agencies are common platforms for posting and finding jobs. LinkedIn ("About LinkedIn", 2022), UpWork ("How Does Upwork Work for Freelancers | Upwork", 2022), has set a minimum set of how jobs are supposed to be posted and jobs are supposed to be searched.

1.1 Objectives

The general objectives of the project is

- To build a secured web application that can allow employers to post vacancies after which job seekers should be able to search and apply for the job.
- To build and test module to schedule a job and notify the candidate about the appointment status.
- To generate analytical reports based on the online transaction processing system.

1.2 Project Category

This project will be a web application that will use 3-tier architecture of database application development. The first tier will be presentation layer including the forms and reports and other GUIs that might be necessary for the application. The technologies that will be used at this layer is, XHTML, CSS, and JavaScript. The second tier will include the business logic and its handling through the PHP scripting language. The third tier will be the Database Layer, where physical database will be implemented. MySQL will be used as the relational database management system (RDBMS).

1.3 Tools Used

Table 1.1 Tools Used

Tool	Purpose
MS Word 2016	Documentation
PHPStorm 2021.3.3	Integrated Development Environment
Git 2.35.1.windows.2	Version Control System
MS Visio	High Level Design
MS Project	Project Management Tool
MySQL Workbench	Relational Database Design and Implementation Tool
Balsamiq	Wire framing
XAMPP	Development Environment
Windows 10 64 bit	Operating System
PHP	Server Side Scripting Language
HTML, CSS, JavaScript	Front-End Design Tool

1.4 Problem Statement

The earlier existing system has an underlining problem of not being able to track post job application procedures of scheduling appointment and recording the status of the job seeker, whether or not they have been hired. This system will primarily focus to solve this problem. The job seeker can always be tracked for their availability for new openings and current status of the job. There will be employer review section that will help other potential employers to better understand the job seeker and choose more suitable candidate for the position.

1.5 Use Case Diagram

The use case diagram shown in *Figure 1.1 Use Case Diagram of Job Finder System* explains the functional requirements of the proposed system. It mainly focuses on the user requirements and the system requirements of the system. It visually explains how various actors (external entities) interact with the system processes (use cases) and how the use cases are related with other use cases (include, extend relationship).

In this project there are three actors (admin, employer, and the job seeker). They have separate roles to perform within the system.

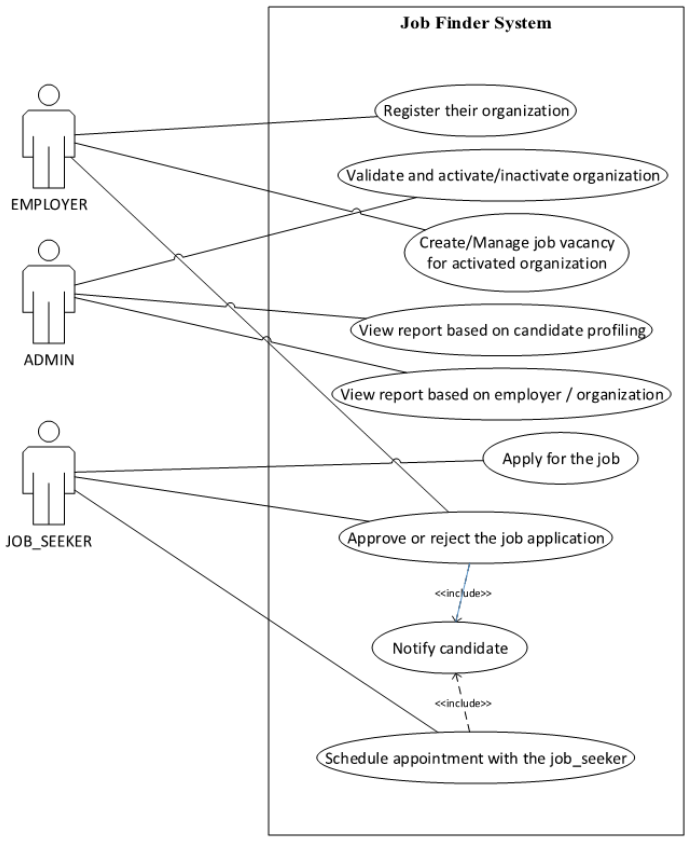

Figure 1.1 Use Case Diagram of Job Finder System

1.6 Descriptive Use Case

1.7 Gantt Chart

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		**Requirements Analys**	**8 days**	**Wed 6/1/22**	**Fri 6/10/22**	
2		Wireframe Prototy	3 days	Wed 6/8/22	Fri 6/10/22	4
3		ER Model	2 days	Fri 6/3/22	Mon 6/6/22	
4		Use Case Diagram	3 days	Fri 6/3/22	Tue 6/7/22	
5		Dscriptive Use Case	3 days	Wed 6/8/22	Fri 6/10/22	4
6		**System Design**	**12 days**	**Wed 6/8/22**	**Thu 6/23/22**	**1**
7		Relational Model	3 days	Wed 6/8/22	Fri 6/10/22	
8		Class Diagram	3 days	Mon 6/13/22	Wed 6/15/22	7
9		Activity Diagram	3 days	Mon 6/13/22	Wed 6/15/22	
10		Sequence Diagram	3 days	Thu 6/16/22	Mon 6/20/22	9
11		Component Diagra	3 days	Tue 6/21/22	Thu 6/23/22	10
12		**Implementation and**	**48 days**	**Fri 7/15/22**	**Tue 9/20/22**	**6**
13		Front End Design	11 days	Fri 7/15/22	Fri 7/29/22	
14		Front End Validatio	9 days	Mon 8/1/22	Thu 8/11/22	13
15		Server Side Scriptir	16 days	Fri 8/12/22	Fri 9/2/22	14
16		Testing	24 days	Thu 8/18/22	Tue 9/20/22	
17		Documentation	77 days	Mon 6/6/22	Tue 9/20/22	12FF

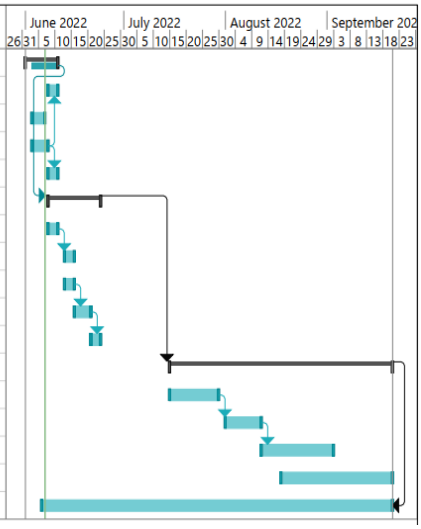

Figure 1.2 Gantt chart of Job Finder System

1.8 Scope of the Solution

CHAPTER 2- SYSTEM ANALYSIS

The system have been analyzed using various tools to study the features required for the system to be operational under some constraints. Entity relationship model (ER Model) has been used to analyze the data requirements of the system during the requirements engineering process (Elmasri & B. Navathe, 2011).

2.1 ER Model

Figure 2.1 ER model of Job Finder System

REFERENCES

About LinkedIn. (2022). Retrieved 6 June 2022, from https://about.linkedin.com/

Elmasri, R., & B. Navathe, S. (2011). Database Systems Models, Languages, Design and Application Programming (6th ed.). New Delhi: Pearson Education, Inc.

How Does Upwork Work for Freelancers | Upwork. (2022). Retrieved 6 June 2022, from https://www.upwork.com/i/how-it-works/freelancer/