CAREER INFORMATION AND RECRUITMENT PORTAL

PROJECT REPORT

submitted by

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to

the University of Calicut

in partial fulfilment of the requirements for the award of the Degree

of

**Bachelor of Technology**

in

Information Technology



Department of Information Technology

Institute of Engineering and Technology, University of Calicut, Thenjipalam

Kerala

July 18, 2020

DECLARATION

We undersigned hereby declare that the project report **Career Information and Recruitment Portal**, submitted for partial fulfilment of the requirements for the award of the degree of Bachelor of Technology of the University of Calicut, Kerala is a bonafide work done by us under supervision of **Ms Sruthimol M P**. This submission represents our ideas in our own words and where ideas or words of others have been included, we have adequately and accurately cited and referenced the sources. We also declare that we have adhered to ethics of academic honesty and integrity and have not misrepresented or fabricated any data or idea or fact or source in our submission. We understand that any violation of the above will be a cause for disciplinary action by the institute and/or the University and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been obtained. This report has not been previously formed the basis for the award of any degree, diploma or similar title of any other University.

**Place:** Thenjipalam

**Date:** July 18, 2020

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CERTIFICATE

This is to certify that the report entitled **"CAREER INFORMATION AND RECRUITMENT PORTAL",** submitted by **Jincy P Janardhanan, Aleena Sunny, Alka Bhagavaldas K, Ameena Shirin** to the **UNIVERSITY OF CALICUT** in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Information Technology is a bonafide record of the project presented by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

|  |  |
| --- | --- |
| **Ms Anu Manohar**  Assistant Professor  Department of IT  (Coordinator) | **Ms Sruthimol M P**  Lecturer  Department of IT  (Coordinator & Guide) |

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ABSTRACT

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# Introduction

When the first digital computers appeared in the early 1940s,[5] the instructions to make them operate were wired into the machine. Practitioners quickly realized that this design was not flexible and came up with the "stored program architecture" or von Neumann architecture. Thus the division between "hardware" and "software" began with abstraction being used to deal with the complexity of computing.

Programming languages started to appear in the early 1950s[6] and this was also another major step in abstraction. Major languages such as Fortran, ALGOL, PL/I, and COBOL were released in the late 1950 and 1960s to deal with scientific, algorithmic, and business problems respectively. David Parnas introduced the key concept of modularity and information hiding in 1972[7] to help programmers deal with the ever-increasing complexity of software systems.

## Problem Statement

## Motivation and Objective

# Literature Review

## Existing Methodologies

After completion of a graduate or undergraduate course students have to apply for a job. Colleges will be also looking forward to recruiters who provide good opportunities for their students. Moreover, recruiters will be looking for students with good skills. But all these works are done using manpower. Students have to apply for a job and keep track of the recruiter updates.

In the existing system, all data processing is done manually. There are a lot of issues such as retrieval and storage of the information and keeping track of them becomes a tedious task. By implementing a computerized system, the limitations in the present system will be reduced. Manpower can be reduced to a great extent and efficiency and accuracy can be increased. Moreover, consumption of time can be reduced to a far great extend by the implementation of the proposed system.

# Proposed System and Feasibility Study

## Proposed Solution

We propose a web application career information and recruitment portal which consists of college, student, recruiter and alumni. It connects students/alumni, recruiters and college. It provides a great opportunity for students to find a job which is suitable for them. The college admin adds all the student details. Students can personalize these details. A CV is generated automatically using this information.

When students, alumni apply for a job the recruiters receives applications in sorted order according to their score calculated based on work experiences, educational qualifications, skills and recommendations. It’s also easy for applicants and recruiters to communicate with each other using a chat feature. The proposed system provides fast operation and low-cost expense than the old system. It also provides information about local and international higher studies and job opportunities.

## Technical Feasibility

The technical feasibility assessment focuses on technical resources available to the developers. The assessment helps us to determine whether the technical resources meet the capacity to convert the ideas into a working system. Technical feasibility involves the evaluation of hardware, software, and other technical requirements of the proposed system. [1]

The end-user requirements, software and hardware requirements listed in the requirements analysis easily available and configurable by the user or developer. Hence it is technically feasible.

## Operational Feasibility

Operational feasibility studies how a project satisfies the requirements identified in the requirement analysis phase. It involves undertaking a study to analyze and determine whether-and how-well the requirements are met by completing the project. [1]

All the functional and non-functional requirements are listed out in section 4.4. These functional and non-functional requirements can be easily implemented using the technologies available. Hence it is operationally feasible.

## 

## 3.4 Economic Feasibility

Economic feasibility assessment involves a cost/benefits associated with a project, helping us to determine the viability, cost, and benefits associated with a project before financial resources are allocated. [1]

The cost-benefit analysis of the system is carried out accordingly. The system can be built and used using basic hardware requirements. Moreover, it is easy to maintain the system. Hence it is economically feasible.

## Schedule Feasibility

Schedule feasibility is the most important for project success; after all, a project will fail if not completed on time. In scheduling feasibility, we estimate how much time the project will take to complete. [1]

Our project is developed using an iterative and incremental model which helps in the successful completion of the project. Moreover, the technologies used in developments is time-saving. We are using GitHub for project management so that we can manage the schedule. Hence it is schedule feasible.

# Requirements Gathering and Analysis

## End-User Specification

## Software Specification

## Hardware Specification

## SRS Document

# System Design

## System Architecture

## Interface Design

## Data Flow Diagrams

## Data Dictionary

# Implementation

## Module Description