E-CAMPUS TRAINING & PLACEMENT SYSTEM

A Synopsis Report

Submitted by:

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In the partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

COMPUTER ENGINEERING

at

SSM COLLEGE OF ENGINEERING

PARIHASPORA, PATTAN, BARAMULLA, KASHMIR

AFFILIATED TO UNIVERSITY OF KASHMIR HAZRATBAL, SRINAGAR

JUNE, 2022

Certificate for Approval of Project

E-Campus Training & Placement system

We would like to request your approval for project entitled "E-Campus Training and Placement System". The project's tentative completion date is <xx-xx-xxxx>. Furthermore, we will adopt time and cost-efficient methods in order to fulfil the desired goal within stipulated time.

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The synopsis submitted by the above mentioned students is accepted on the condition that the students will consider the suggestion(s)(if any) in their project failing which the project will not be accepted.

Suggestion(s):

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Name of Faculty   Name of Faculty

Mrs. Yasmeen Viqar   Mr. Mudasir Muttoo

I. Abstract

This system gives the very efficient way of placement of students. In this system the student does their registration very simple manner the placement officer can easily get the information of students. The system gets easy access to the eligible student. According to that system notify the students. The system also helps the college to maintain records of current and previous students also. The system gives records to college for alumni meets. Placement officer prepares the schedule of all activities regarding the placement. the company provides the criteria who students are eligible automatically they notify. Student, TNP staff, TPO get the required information. Those students have registered all of them are eligible for this system. A forum is a platform provided to all students for communication. The purpose of Training and Placement System is to automate the existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data / information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with. Training and Placement System, as described above, can lead to error free, secure, reliable and fast system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information. Basically, the project describes how to manage for good performance and better services for the clients.

II. Introduction

The "E-Campus Training and Placement System" has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardships faced by this existing system. Moreover, this system is designed for the particular need of the company/organization to carry out operations in a smooth and effective manner. The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus, by this all it proves it is user-friendly. Training and Placement System, as described above, can lead to error free, secure, reliable and fast system. It can assist the user to concentration their other activities rather to concentrate on the record keeping.

Every organization, whether big or small, has challenges to overcome and manage information of Placement, Training, CGPA Marks, Placement Cell, Technical Skill. Every Training and Placement System has different Training needs, therefore we design exclusive systems that are adapted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals. Also, for those busy executive who are always on the go, our systems come with remote access features, which will allow you to manage your workforce anytime, at all times. These systems will ultimately allow you to better manage resources.

The main objective of the Project on E- Campus Training and Placement System is to manage the details of Training, Placement, Student, CGPA Marks, Technical Skill. It manages all the information about Training, Placement Cell, Technical Skill, Training.

The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the Training, Placement, Placement Cell, Student. It tracks all the details about the Student, CGPA Marks, Technical Skill.

A. Problem Statement

Nowadays, student joins the college for better education as well as for better placement for their future. The placement activities play very important role in student career and building college reputation. In the current system all training and placement activities are done manually, there are more chances of error. It is very time consuming activity for collecting, managing, updating student data as number of student increases. The notice board is old method of informing student about the placement activities. The training and placement officer has to short list according to company requirement. It is required to design of a computerized student automation module to speed up capabilities.

B. Scope

Student can create the account and update their information. Notifications are send to the student about various companies their criteria and placement drive circular, etc.

The benefits of this automated system are as follows:

1. Easy to collect and manage student data.
2. To increase the accuracy and efficiency of placement procedure.
3. Reduce the paper work.
4. Analysis of overall placement activities.

C. Objectives

- To avoid the problems arising in the existing system we are developing online training and placement system to make interactive, automated and effective work of placement activities.

- All the resume uploaded by students can be stored and maintained in the database which reduces the paper work and storage area.

- Provides the searching facilities based on various factors. Such as Training, Student, CGPA Marks, Technical Skill.

- Training and Placement System also manage the Placement Cell details online for CGPA Marks details, Technical Skill details, Training.

- Shows the information and description of the Training, Student.

- A forum is platform provided to all students for communication.

- Easy to access and avoid fake entry.

- Only eligible students get placed. Also Improve accuracy in result.

- It will have a user-friendly and mobile optimized interface.

- Data exporting facility.

- Placement round management.

- SMS and notification facility.

- Company-wise registered students.

Keywords: Computerized, easy accessing, easily available, easy to work, error free, secure, reliable, fast system, automate, good performance.

III. Literature Survey

An interactive training and placement system which automates the training and placement activities that provides the many opportunities to raise the selection ratio. This system intimates about job openings for the students in various fields, apply to those postings and invite various organizations for hiring the students from the college and track the progress of the students. It can generate the list of short-listed students as per HR requirements and their different criteria's.

A Final Year Management System that provides the complete details of the students in the college by which we can overcome the many problems like managing the records of thousands of students and searching the list of eligible students from those thousands of records for recruitment purpose, list companies visited to the college for hiring the students.

To Automate the registration process and generate the list of eligible students for recruitment a College Talent Placement System is developed. The students who are eligible can register through the portal and update their personal details including their resume which can be accessed and seen by the placement director.
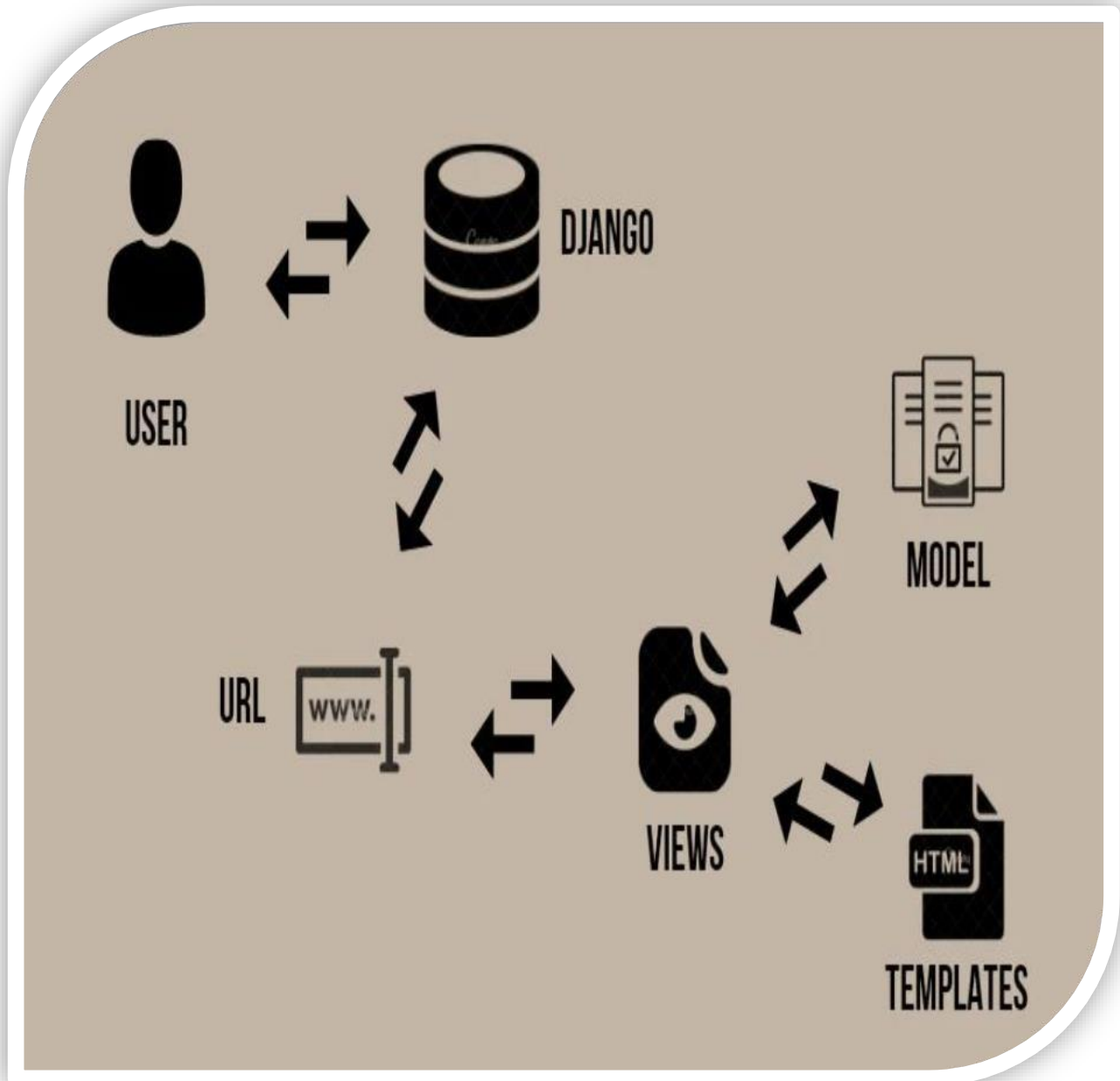
The Placement Officer fixes the schedule based on the activities in the institution. Finally, the student will be able to see the details of examination and status of recruitment. A modular architecture-based system which provides multiple functionalities for performing the placement related activities. In this modular based system, we can add or remove modules in the future based on the specifications required for TPO.
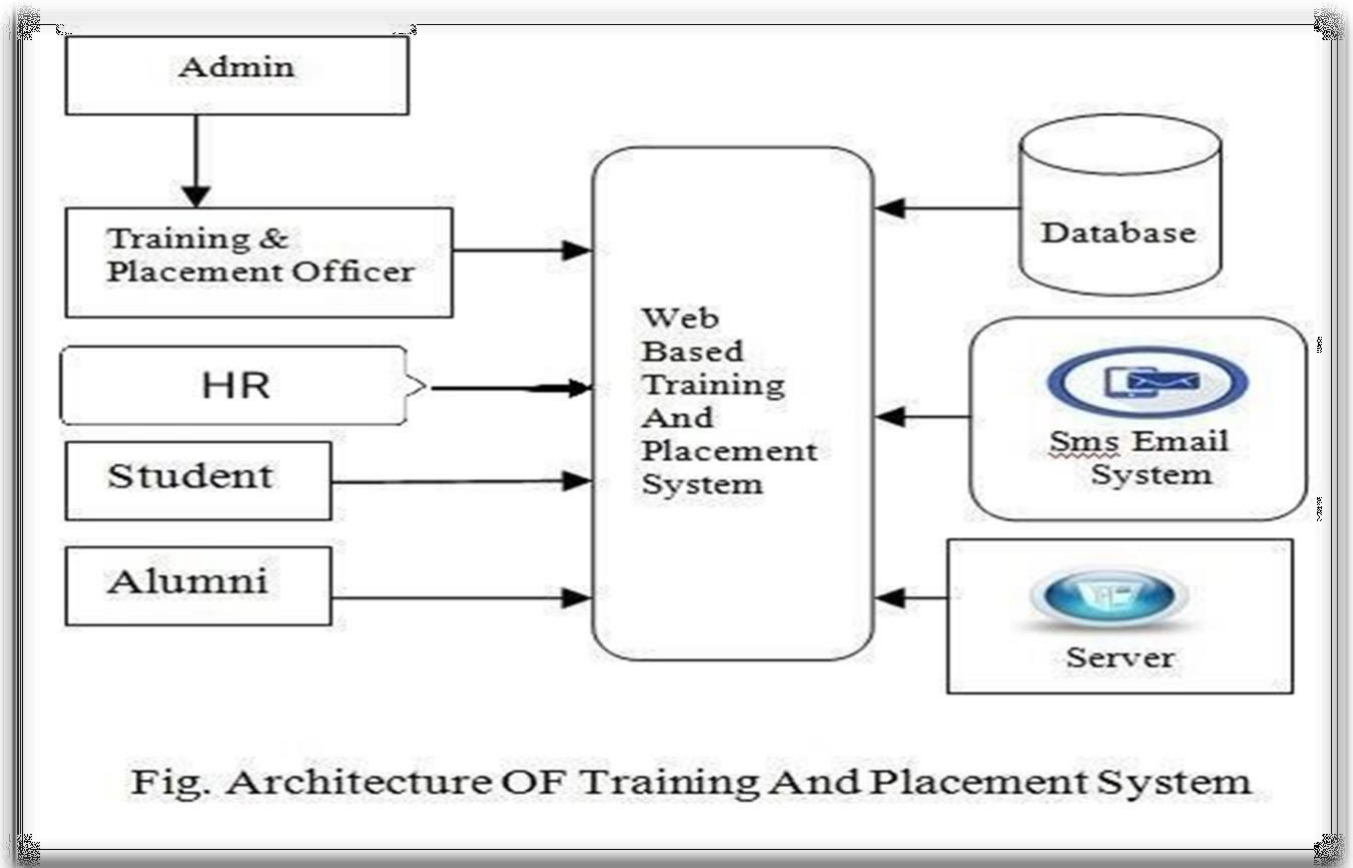
IV. Methodology

Django is based on **MVT (**model-view-template**)** architecture. MVT is a software design pattern for developing a web application. Software models improves the productivity of the development team. It reduces the number of defects int the final code. It improves the understandability of the system. Inthis project MVT model is being used which comprises of the following three components:

- **Model** − A model provides the interface for the data stored in the Database. It is responsible for maintaining the data and handling the logical data structure for the entire web application.

- **View** – A view in MVT is a user interface. It is responsible for displaying Model Data to the user and also to take up information from the user. It is represented by HTML/CSS/Javascript.

- **Template** – The Template is a text document or a python string marked-up using Django template language. Some constructs are recognized and interpreted by the template engine. The main ones are variables and tags. A template is rendered with text.

MVT Model (Model-View-Template):

Architecture of the E-Campus Training and Placement system.

Fig. Architecture OF Training And Placement System

Web Based Training And Placement System is a centralized system where TPO, Student, Alumni are the Users of the system

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A. TPO Module

The Placement officer is the administrator of the system. Admin plays a very crucial role in the system. Admin can log in through a username and password. He/she can maintain the placement activities via the system. Admin can add departments, create new batches, add /delete drives. Students can directly join in the placement drive if interested. Admin can manage the training programs conducted in the college. Admin is also able to analyze the placement activities of each student.

B. Students

Students are the main component of the system according to the company criteria students get notify by SMS and email. To participate in the placement every student is given a default username and password, using this he/she can enter the system. Students can fill the necessary details. If interested, students can register for the upcoming drives. The student is also able to attend the online aptitude test being conducted in the system. Based on this aptitude test and other criteria the placement probabilities of a particular student is been predicted.

C. Alumni

These are students who passed out from institute but further they are eligible for the placement procedure they also notify by the SMS and email.

D. HR module

The training and placement officer can also login to the HR section through the username and password. In this HR section all the information related to the HRS are maintained. The placement officer can add the newly visiting company name to the database. The TPO can assign the placed in some company the TPO should update the details such as in which company the student has been placed. The TPO can maintain all the HRS information in this section by adding the details of the HR such as his name, mobile number, HR level, email, company name etc. The TPO can also maintain the information of other college TPO details. In this section the TPO have the option of maintaining the workshop or training details that are going to be held in the college. The admin can download all the details of the HRs, placed students, training details, and all assigned companies in to the excel sheet. company, assigning the company is nothing but in which year it is visiting, what's the company criterion etc.

VI. Facilities Required for Proposed Work

Software:

macOS Mojave or later, Windows 7 ultimate or later

Microsoft Visual Studio .net 2015 Microsoft

SQL Server 2014

Python

Django

Chrome, Opera etc.

Hardware:

Minimum requirements.

Processor   :   Intel Core i3

Hard Disk Drive   :   256GB

Memory   :   1GB

VII. References

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EVALUATION REPORT

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To be filled by Project Guide only:
(The guide may give details on additional sheet(s), if required)

Ist Assessment:

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2nd Assessment:

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3rd Assessment:

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Final Assessment:

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Mrs. Yasmeen Viqar
Project Guide