SKILL DEVELOPMENT LAB MINI PROJECT REPORT
ON

TRAINING AND PLACEMENT SERVICE

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Branch : T. E. Computer (2019-2020)

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RESEARCH
NASIK.**

CERTIFICATE

This is to certify that

**Suyash Balshetwar.
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Has Successfully completed

SDL Mini Project on

TRAINING AND PLACEMENT SERVICE

Towards the Partial Fulfilment Of Bachelor's

Degree In Computer Engineering

Of Savitribai Phule Pune University

During Academic Year 2019 – 2020

Prof. K. P. Birla   **Prof. Dr. S. S.Sane**   **Prof. Dr. K. N. Nandurkar**

[Mini Project Guide]   [H.O.D]   [Principal]

Abstract

Training & Placement Cell is a System Which allows the college to manage the student's information about campus recruitment, collecting and managing the information about students manually has become very hard , to make this process easy and effective .This System is made through various techniques like , web based by using programming language Python. To perform the activities related to placement services. the system's purpose is to design a System that provides functionalities of campus recruitment .

Keywords

- Training & Placement System.

- Python

- Student module

- College module

Introduction

Training & Placement Cell is a System which allows the college and the companies to manage the student's information about campus recruitment, collecting and managing the information about students. Earlier the process of maintaining the student database was a tedious job. So we did this project to make the work easier, of storing the student database. By using this, the work of placement became easier. By using this website the admin can get the information of palced students easily, Admin can also sort, search, send notification means Sending of emails, see Graph of placed and unplaced students . Admin can update the company name of the students which are placed. Admin can edit, update, delete student information.

Problem Statement:

Develop website to maintain the records of student. In this process of placement of students should be made efficient. Website should have 2 modules i.e. Admin module, Student module. Student module should contain Student registration form, login and registering their username and password to access to registration form via login. Admin module should include Student database as their primary need. It should also contain sorting, searching functions and company name after placement of students, graph of placed and unplaced students

Objectives

- Our project provides the facility of maintaining the details of the students and gets the requested list of candidates for the companies who would like to recruit students based on given query.

- The facility to maintain the details of the student.

- The facility of searching, sorting, drawing graph of student database.

- Facility of sending emails to placed students

Outcomes

- During analysis data is collected from the various databases.
- Easily finding out the list of eligible students for company

  training and placement.

- Manual Work Will Reduce.
- Admin should be able to sort the student database according to company's criteria.
- Admin should be able to search the student details.
- Admin should be able to see the graph of placed and unplaced students.
- Admin should be able to insert the company name after the placement of students.

Software and Hardware Needed

- Software:

    1. Pycharm 3.4

    2. Django 2.2

    3. Sublime text editor

- Hardware: (Minimum)

    1. Disk space: 2 to 3 GB

    2. Processors: Intel Atom® processor or Intel® Core™ i3 processor.

Plan (with timeline)

➢ 25th Aug - 31st Aug -> Learning Django.

➢ 1st Sept - 3rd Sept -> Learning HTML.

➢ 5th Sept - 7th Sept -> Learning CSS.

➢ 8th Sept - 11th Sept -> Learning Bootstrap.

➢ 12th Sept - 13th Sept -> Implementing Sample Django ToDoApp.

➢ 14th Sept - 18th Sept -> Start of Implementing the project.

➢ 19th Sept - 21st Sept -> Making of Frontend. Frontend includes Making of registration form, Login Page, Home page, etc.

➢ 22nd Sept - 24th Sept -> Connecting Database with Django. Using sqlite as database for connectivity.

➢ 25th Sept - 28th Sept -> Working on Student Module. Module consists of Registration form, Login, etc.

➢ 29th Sept - 3rd Oct -> Working on Admin Module. Module consists of Sorting the data, Searching of data, Sending Emails to placed students, Maintaining the student database, Showing the graph of Placed students vs Unplaced students etc.

➢ 4th Oct - 5th Oct -> Working on Test cases. Test Cases like there should be no duplication of data (Username), No field in registration form should remain empty, Correct/Incorrect username, password etc.

➢ 6th Oct - 8th Oct -> Finishing the project (Gave Final touch to project). Final Touch up means Decorating the project with the help of CSS, Bootstrap, ect.

Functional Requirements

The various functional requirements of the system can be summarized as:-

- Proper Validation .
- Search the Student on the company criteria.
- Update Information Of Students.
- Admin Authority To Do Any Changes/Updates .

Non Functional Requirements

- Usability.
- Supportability
- Interface
- Reliability.

Test Cases:

- CoIncorrect username & password of Student.
- incorrect username & password of Student.
- Correct username & password of admin.
- Incorrect username & password of Company.
- Incorrect username & password of Company.
- Student keeps blank fields for registration

Block Diagram

Use Case Diagram
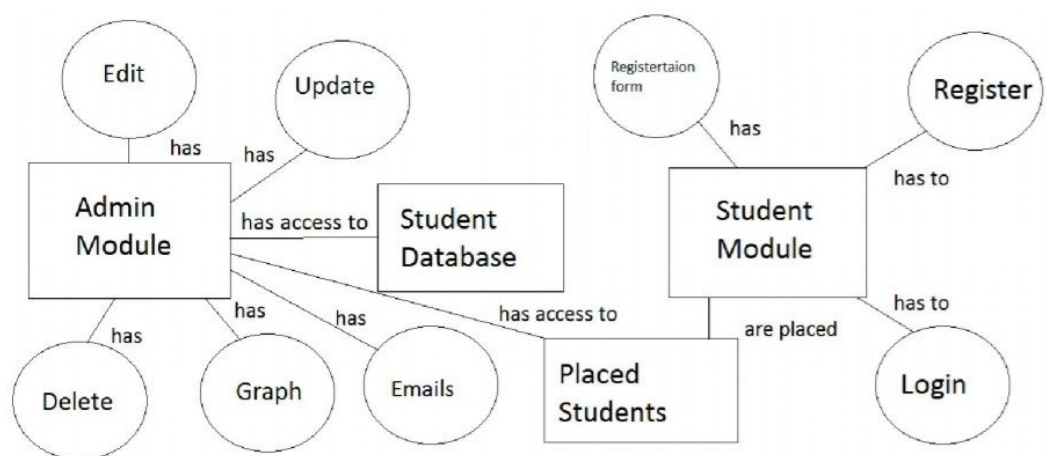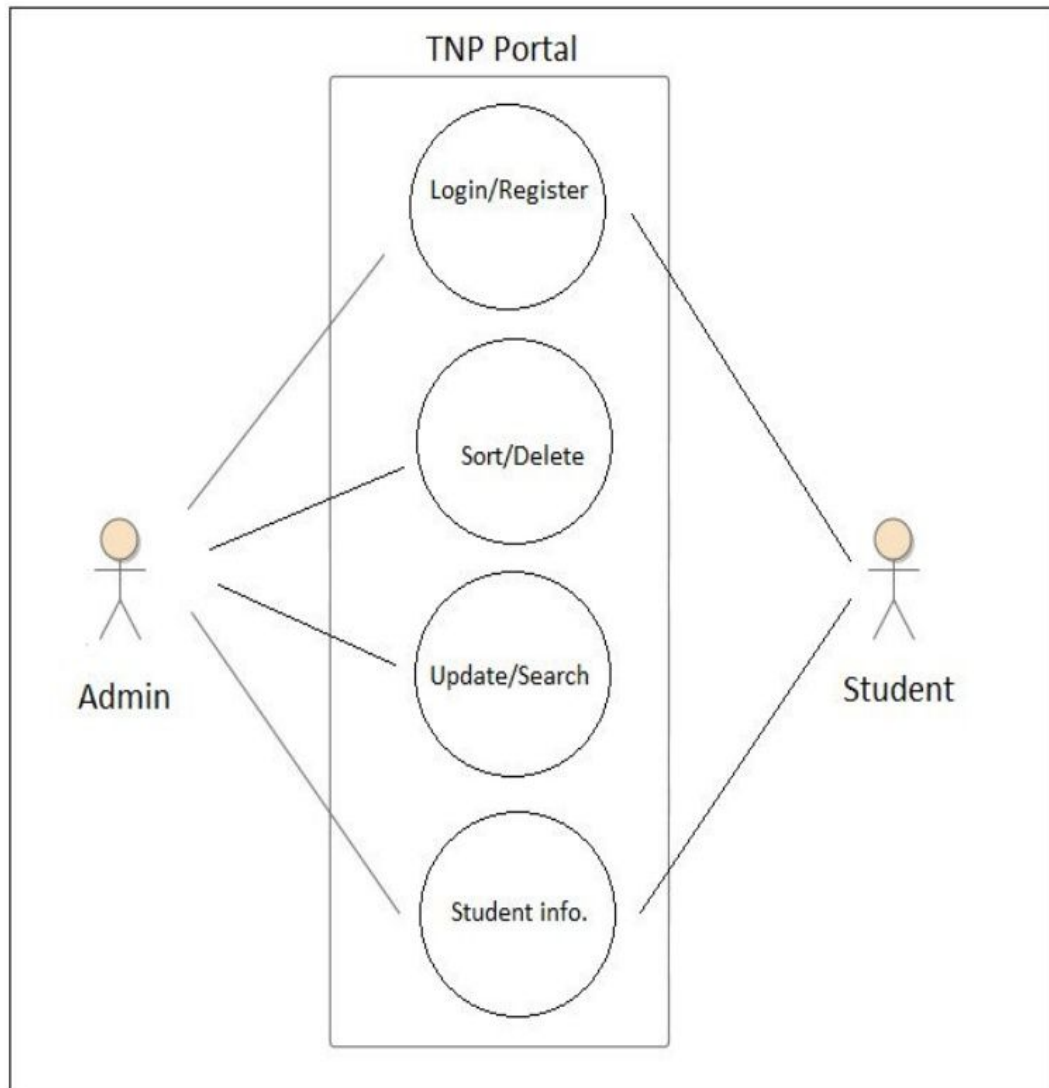
Training and Placement service

Snapshots:

TRAINING AND PLACEMENT PORTAL

≡   🏠 Home   Ⓡ Register   →] Login

Welcome To Portal

The Training and Placement cell of KKWIEER,ENTC department is keen in encouraging students to prefer jobs the better suit their profile. Training & Placement Cell is a system which allows the college and the companies to manage the students info about campus recruitment collecting and managing the information about students manually has become very hard, to make this process easy and effective.

Training And Placement Dashboard

Training and Placement service

Registration

TRAINING AND PLACEMENT PORTAL

Username: [   ]   Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Password: [   ]

Email address: [   ]

[Register]

TRAINING AND PLACEMENT PORTAL

Enter Details

👤 Username:

[   ]

🔑 Password:

[   ]

☐ Keep me logged in   [Login]

Login Window

Training and Placement service

TRAINING AND PLACEMENT PORTAL

Student Database

Name	Email id	FE Score	SE Score	TE Score	Aggregate	Actions
Danny	c59sarang@gmail.com	78.0	89.0	74.89	90.0	👤 Placed 🗑
Rohit	suyashbalshetwar5@gmail.com	87.0	88.0	80.0	88.0	👤 Placed 🗑

Enter Criteria	Sort

Student Information

Training and Placement service

STUDENT REGISTRATION FORM

User Name	sopan	(Max 50 Characters Allowed)
First Name		(Max 50 Characters Allowed)
Last Name		(Max 50 Characters Allowed)
Email ID	xyz@gmail.com	
Mobile Number	7842xxxxxx	(10 Digits Allowed)
Gender	⚪ Male ⚪ Female	
Address		

Student Registration Page

Training and Placement service

State	Maharashtra
Country	India

PAST QUALIFICATION

Sl.No.	Examination	Board	Percentage	Year of Passing
1	Class X			
2	Class XII			

CURRENT QUALIFICATION

Sl.No.	Examination	Aggregate Percentage	Year of Passing
1	First Year		
2	Second Year		
3	Third Year		

AGGREGATE

Student Registration Page

Training and Placement service

TRAINING AND PLACEMENT PORTAL

Thank You For Registration!

TRAINING AND PLACEMENT PORTAL

You have already registered!

Please check your Email for further instructions

Training and Placement service

TRAINING AND PLACEMENT PORTAL

Placed Student Database

Name	Email id	FE Score	SE Score	TE Score	Aggregate	Company	Actions
Shaggy	shaggy@gmail.com	86.56	85.0	87.0	85.0	TCS	👤 🗑
nikhil	jhv@gmail.com	66.66	88.0	74.89	87.0	TCS	👤 🗑
panchami	panch@gmail.com	80.0	75.0	76.0	77.0	infosys	👤 🗑

Student Database

Data Analysis Through Graph
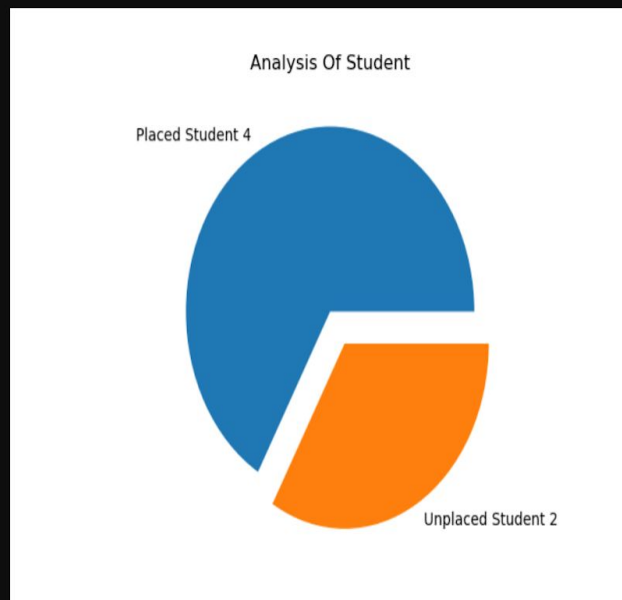
Training and Placement service

TRAINING AND PLACEMENT PORTAL

☰ 🏠 **Home** ⓡ **Register** ➡ **Logout** ⚠ **Admin** 🎓 **Placed Student** 🟤 **Graph** [Search 🔍]

Search Student's Information

[Enter to search name]

[Search]

☰ 🏠 **Home** ⓡ **Register** ➡ **Logout** ⚠ **Admin** 🎓 **Placed Student** 🟤 **Graph** [Search 🔍]

Search Student's Information

[Enter to search name]

[Search]

Student Database

Name	Email id	FE Score	SE Score	TE Score	Actions
Danny	c59sarang@gmail.com	78.0	89.0	74.89	👤 Placed 🗑

Search a particular student from student Information .

Training and Placement service

Observations

- Easy to maintain the student database.

- It will reduce the manual work.

- Graph of students which are placed and unplaced.

- Easy to find placed students.

- Easy to find individual student database.

- We can sort the student database according to company's criteria.

- Admin can edit the students database such as update, permanently delete.

- Admin can send emails to students which are eligible for the placement of that company.

- Database can be sorted according to company placement.

Conclusion

In particular ,our approach is able to reduce the manual work of TNP officer. As we maintain the student database and perform various operations on database such as update student information , delete the student information. We can sort student database according to company criteria and send messages through email . We can search for a specific student database. We can draw graph of placed student and unplace student .

References

1.Django Documentation :
https://docs.djangoproject.com/en/2.2/

2.Django Reference video :

https://www.youtube.com/watch?v=Z4D3M-NSN58&list=PLzMcBGfZo4-kQkZp-j9PNyKq7Yw5VYjq9

3.Django Book:

https://djangobook.com/

Future Scope

- Student can upload Resume.

- Student can give feedback after interview.

- Upload the placement interview question.

- Company can give feedback.

- Student can upload in which round he/she is eliminated during placement.

Report Documentation & Accounting Page

Report Code: CS-TE-SDL Mini Project 2019-2020	Report Number: A/7,A/13,A/64 ,A/74

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Author [with Address, phone, E-mail]: Address E-mail :	Author Details (Year, Branch, Roll): **Year:** 2019– 2020 **Branch:** Computer Engineering **Roll: 7,13,64,74**

Type Of Report: *FINAL*	Time Covered (From – To) **15-07-2019** TO **16-09-2019**	**DateOf Report** (DD-MM-YYYY) **16-10–2019**	**Page Count**

***Key Words*:** Training & Placement System, Python, Students, College, Modules.

Report Checked By:	Report Checked Date:	**Guides Complete Name:** **Prof. K. P. Birla**	Total Copies

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