

Project Report

On

Training & Placement Management System

Developed By: -

Harsh N Patel(16012121009)
Harsh S Patel(16012121021)
Raj Rao (16012121023)
Kashish Gandhi(160121010110)

Guided By:-

Prof. Nidhi Thacker (Internal)

Submitted to
Department of Computer Science & Engineering
U V Patel College of Engineering



**Ganpat
University**

॥ विद्यया समाजोत्कर्षः ॥

**U.V. Patel
College of
Engineering**

Year:2020

CERTIFICATE

This is to certify that the report entitled “**Training and Placement Management System**” by Harsh N Patel(16012121009), Harsh S Patel(16012121021), Raj Rao(16012121023), Kashish Gandhi(16012101010) of Ganpat University, towards the fulfillment of requirements of the degree of Bachelor of Technology – Computer Science and Engineering, is record of bonafide final year Project work, carried out by them in the CSE(BDA) Department.

The results/findings contained in this Project have not been submitted in part or full to any other University / Institute for award of any other Degree/Diploma.

Name & Signature of Internal Guide

Name & Signature of Head of Department

Name & Signature of Principal

Place:

Date:

ACKNOWLEDGEMENT

A major project is a golden opportunity for learning and self-development. I consider myself very lucky and honored to have so many wonderful people lead me through in completion of this project. First and foremost, I would like to thank **Dr. Hemal Shah**, Head of Department, Computer Science and Engineering, who gave us an opportunity to undertake this project. My grateful thanks to **Prof. Nidhi Thacker** for their guidance in project work **Training and Placement Management System** who despite being extraordinarily busy with academics, took time out to hear, guide and keep us on the correct path. We do not know where would have been without his/her help. CSE department monitored our progress and arranged all facilities to make life easier. We choose this moment to acknowledge their contribution gratefully.

Harsh N Patel (Enrollment no: 16012121009)
Harsh S Patel (Enrollment no: 16012121021)
Raj Rao (Enrollment no: 16012121023)
Kasish Gandhi (Enrollment no: 16012101010)

ABSTRACT

The objective of Training and Placement Management System is to ease the existent manual system with the aid of web application, so that their precious data can be preserved for a longer duration with smooth accessibility and processing of the same. The required software and hardware are easily available and easy to work with. Training and Placement Management System, as described above, can lead to efficient and reliable management system. Thus, it will help organization in better utilization of resources.

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1. Introduction

The web-based project focuses on designing a Training and Placement Management System for graduating students to a pool of companies from various domains. This system can be accessed from throughout the organisation with valid credentials provided. Role of placement officer and Student coordinator are able to provide companies with either internship or placement offerings to students, where student has facility to apply for those listed opportunities and can see results whether or not he/she selected for applied opportunities. Adding to it, after getting placed one can easily upload their offer letter in order to generate NOC for respected company.

2. Project Scope

Training and Placement Management System is developed for the students and Placement Officers which maintains the database for the students for an Educational Institution. Student records are populated into database including their academic details and their personal details. The software intends to manage internship and placement opportunities to students, also managing the data of the Company which would comprise of the profile of the Company, eligibility criteria and the package it provides. The System would comprise the facility of viewing both the personal and academic information of the student and company. By using this system, the Coordinator can perform the same task as of Placement Officer also they can apply for either internship or placement opportunities.

3. Feasibility Analysis

Technical feasibility

Here we have used tools that are required for developing the project

- **Django (python framework)**
- **PostGre SQL**
- **pgAdmin**

Time schedule feasibility

Here we have made proper planning of our project so that it can be completed on time.

- Having Weekly Minutes of Meeting (MoM) with the guide to review the work and perform modifications according to the suggestions given by the guide.
- Time to time generation of reports for proper documentation.
- Formation of Flow chart for monitoring tasks completion weekly.

Operational feasibility

- This Project is developed for institutions that require placing their students.
- For placement the Placement Officer has to upload student details and the student have to verify their personal details and upload their CV and their areas of interests.

4. Software and Hardware Requirement

Minimum Hardware Requirement

Device	Laptop / Desktop Computer
Processor	Intel i3 (any generation)
RAM	4 GB or higher
Internal Storage	50 GB or higher

Min Hardware Requirement

Minimum Software Requirement

Operating System	Windows10(recommended)
Programming language	Python Framework – Django
Database	PostGre SQL
Browser	Firefox OR Chrome

Min Hardware Requirement

5. Project Plan

5.1 Major Activities

Task: - 1 Getting started with Django.

Task: - 2 Create Databases.

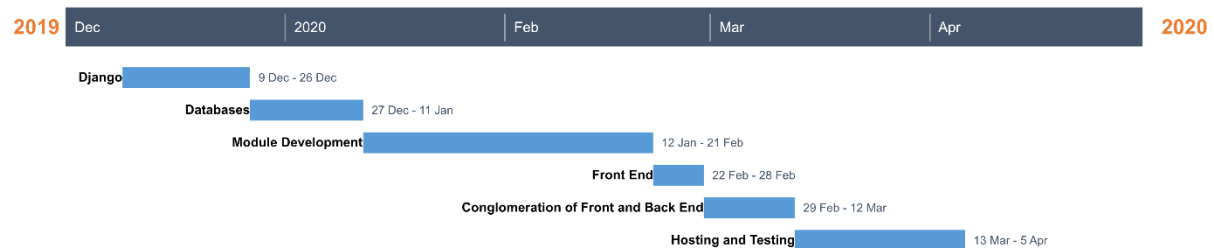
Task: - 3 Development of Modules.

Task: - 4 Creating the Front End.

Task: - 5 Conglomerating the Front End with Back End.

Task: - 6 Hosting and Testing.

5.2 Project Duration



Project Duration

6. Implementation

6.1 Tools and Technology

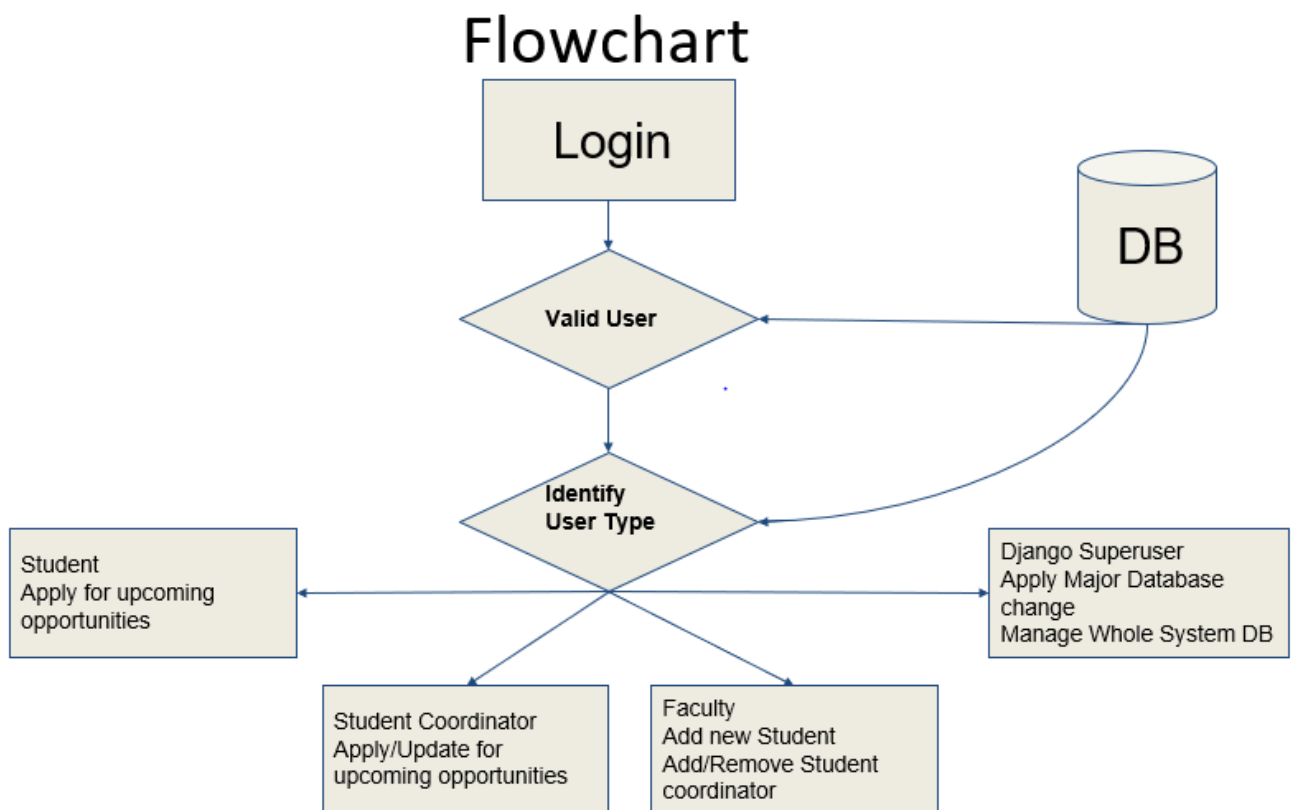
Programming

- Django

Technology

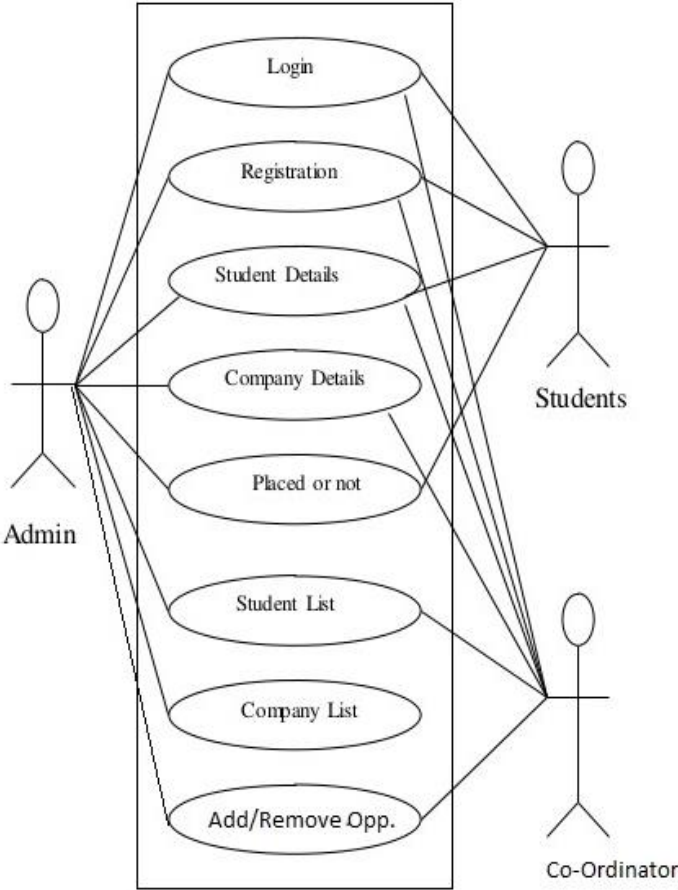
- Visual Studio Code (VSC)
- PostgreSQL
- PgAdmin

6.2 Flowchart of Implementation



Flowchart

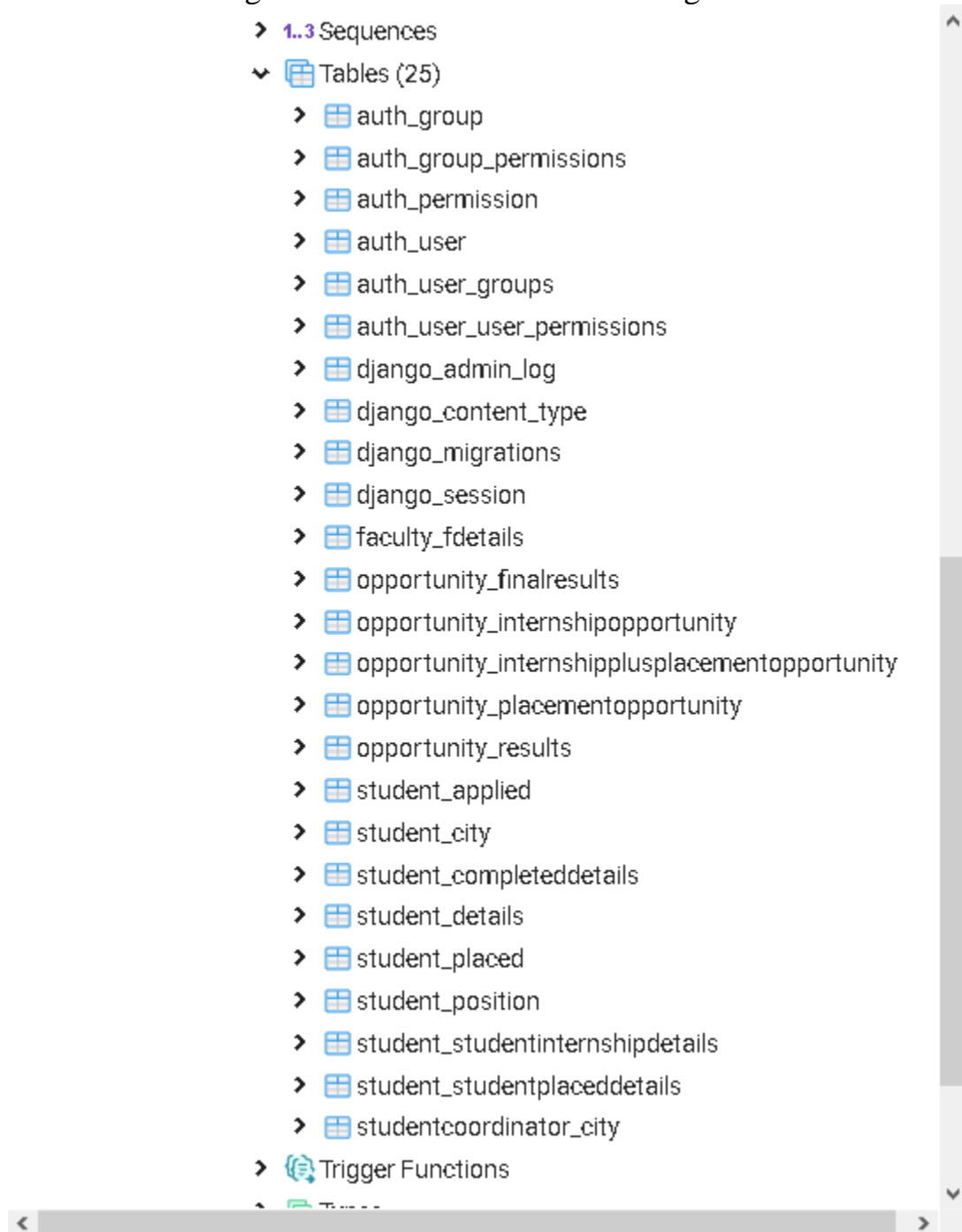
6.3 Use Case Diagram



Use Case Diagram

6.4 Database

For storing the data of students and their login credentials databases are needed.



Database Design

Data Output		Explain	Messages	Notifications				
	enrollmentno [PK] character varying (11)	filledetails boolean	internship boolean	placement boolean	internshipselected boolean	placementsselected boolean	NOCDetails character varying (100)	NOCgenerated boolean
1	17162101021	true	true	true	true	true	C:/Users/admin/project/traini...	true
2	16012101010	true	true	true	true	true	C:/Users/admin/project/traini...	true
3	17162101029	true	true	true	false	false	[null]	false
4	17162101032	false	true	true	false	false	[null]	false
5	17162101003	true	true	false	false	false	[null]	false
6	17162101018	true	true	true	false	false	[null]	false
7	17162101005	true	true	false	false	false	[null]	false
8	17162101035	false	true	true	false	false	[null]	false
9	16012101011	true	true	true	true	true	[null]	true
10		false	false	false	false	false	[null]	false
11	17162101001	false	false	false	false	false	[null]	false
12	17162101002	false	false	false	false	false	[null]	false

Data Output	Explain	Messages	Notifications		
password character varying (128)	last_login timestamp with time zone	is_superuser boolean	username character varying (150)	first_name character varying (30)	last_name character varying (30)
pbkdf2_sha256\$180000\$9RO...	[null]	false	17162101002	ABHISHEK	TIWARI
pbkdf2_sha256\$180000\$w1N...	2020-04-15 21:40:57.397645+05:30	false	17162101018	MISTRY	MANA
pbkdf2_sha256\$180000\$TTf...	2020-04-15 21:11:15.423391+05:30	false	17162101035	SADHU	SHREY
pbkdf2_sha256\$180000\$Mqd...	2020-04-15 21:40:21.281083+05:30	false	16012101010	Kashish	Gandh
pbkdf2_sha256\$180000\$jeQv...	[null]	false	17162101006	DESAI	NISHI
pbkdf2_sha256\$180000\$UWz...	[null]	false	17162101016	MAJMUDAR	GAURV
pbkdf2_sha256\$180000\$q7N...	2020-04-14 12:53:23.940415+05:30	false	17162101003	CHAUDHARI	YASH
pbkdf2_sha256\$180000\$SereK...	2020-04-15 21:39:42.437126+05:30	false	17162101005	CHRISTIAN	ROCKI
pbkdf2_sha256\$180000\$IOlk...	[null]	false	17162101007	DHRUV	HARSI
pbkdf2_sha256\$180000\$dDZ...	[null]	false	17162101008	GAJJAR	RIYA
pbkdf2_sha256\$180000\$ly7A...	[null]	false	17162101009	GOSWAMI	RAHUL

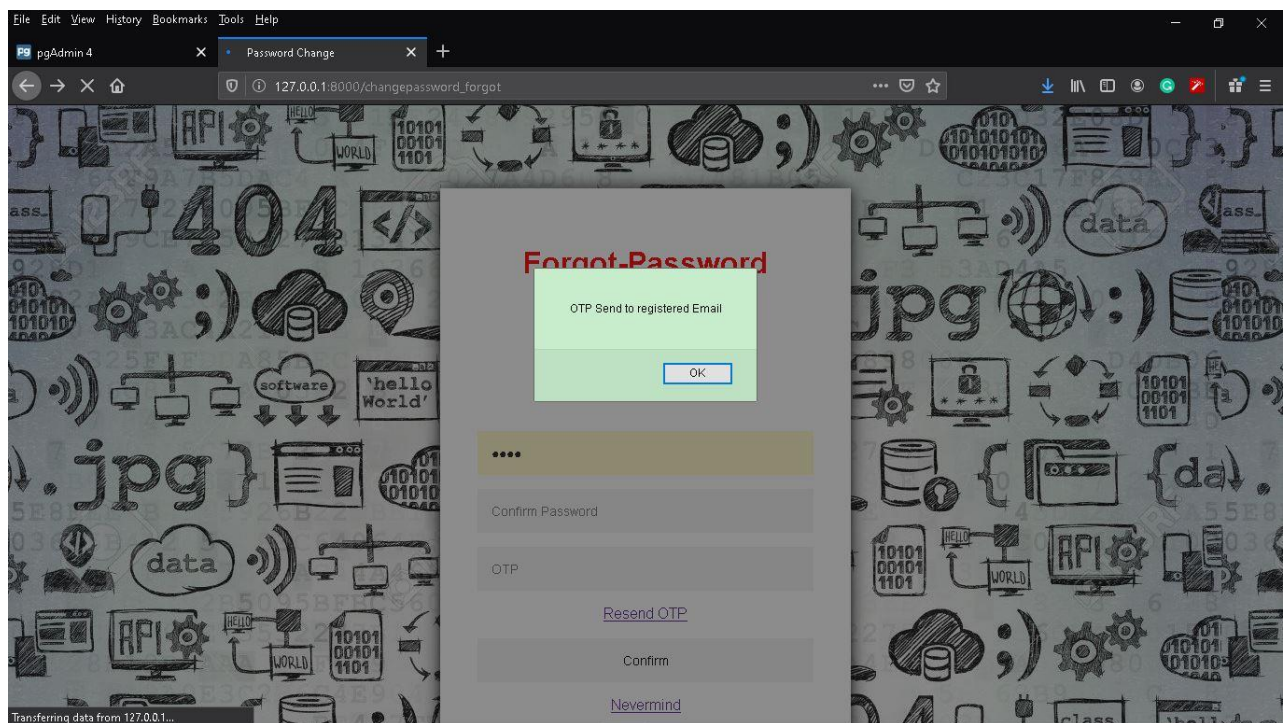
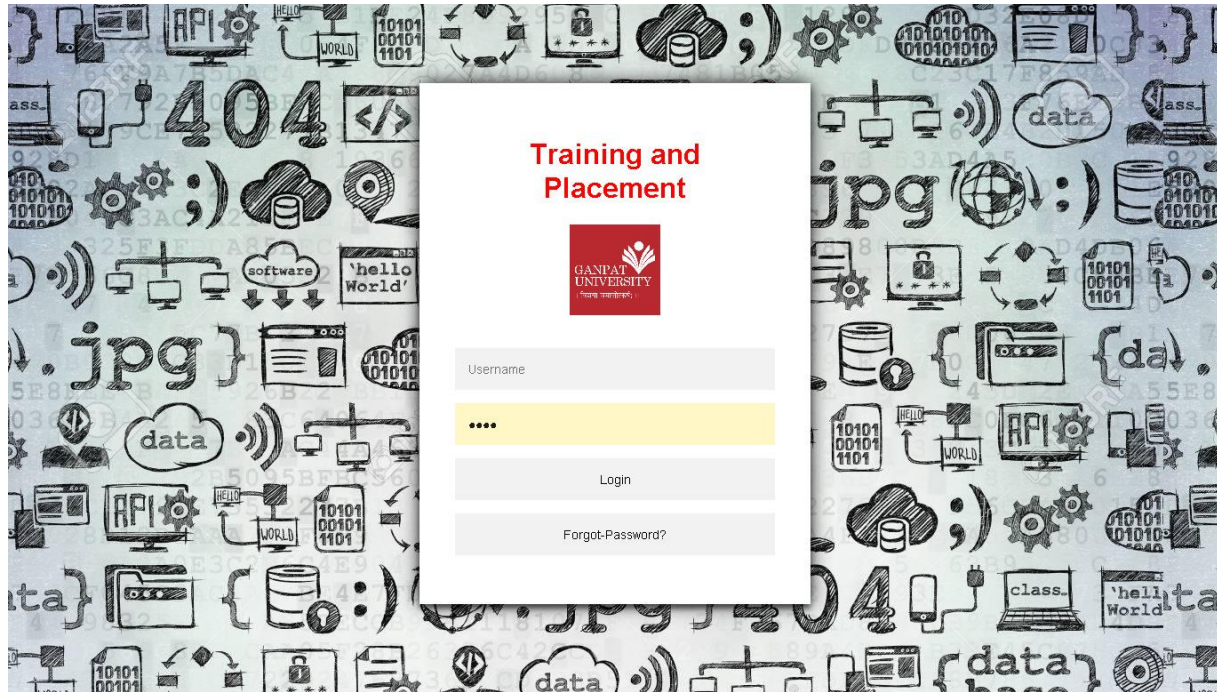
Student Details Table

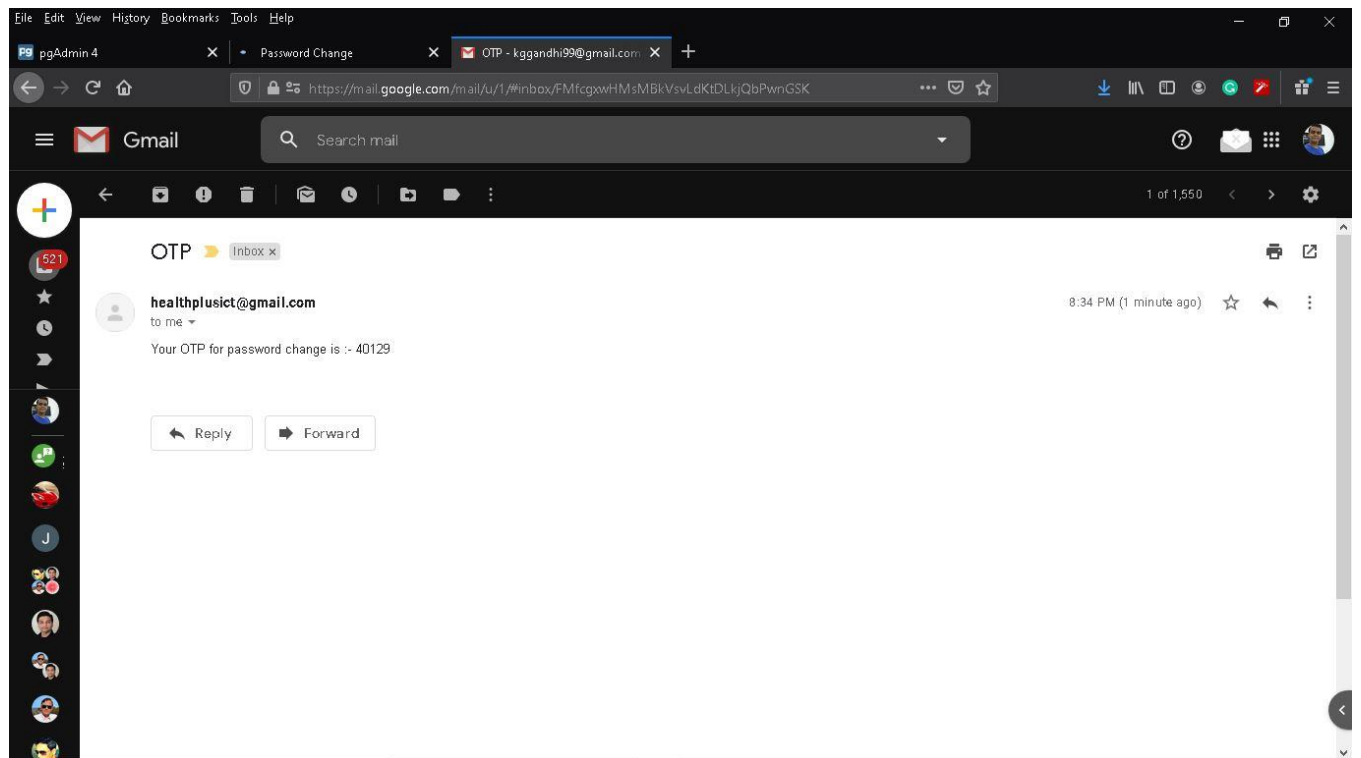
The 'enrollment no' and 'username' tuples are linked with the foreign key to facilitate the process and similarly for the other tables too.

6.5 Dashboard

The dashboard enhances the web application and makes it more user friendly. The Dashboard is developed using basic HTML and CSS. Every functionality of the application is available on the Dashboard.

Login





Student and Placement Coordinator Login

Select Option

☐ Internship

☐ Both (Internship + Placement)

By clicking Submit, you agree to our [Terms and Condition](#).

Submit

Enrollmentno:
17162101029

Firstname:
PATEL

Middlename:
SNE

Lastname:
MANISHKUMAR

Gender:

- ☒ Male
- ☐ Female
- ☐ Others

Dob: 08/20/1999

Phno: 9664993531

Ssc year: 2015

Ssc percentage: 93.0

Ssc board:
CBSE

Hsc year: 2017

Hsc percentage: 63.0

Hsc board:
CBSE

SAVE AND NEXT

PREVIOUS

Sgpa sem 1: 8.6

Sgpa sem 2: 8.5

Sgpa sem 3: 7.3

Sgpa sem 4: 7.2

Sgpa sem 5: 8.0

Sgpa sem 6: 9.3

Sgpa sem 7: 7.8

Cgpa: 8.1

Effbacklog: 0

SAVE AND NEXT

Positionofinterest:

CLOUD APPLICATION DEVELOPER, CLOUD ADMINISTRATOR, NETWORK ADMINISTRATOR, MACHINE LEARNING, UI/UX, IOT(INTERNET OF THINGS), DATABASE ADMINISTRATOR, CYBER SECURITY SPECIALIST, SOFTWARE TESTER, ETHICAL HACKER, SECURITY ENGINEER, SECURITY ARCHITECT, SECURITY ADMINISTRATOR, CHIEF INFORMATION SECURITY OFFICER, DIGITAL MARKETING, SEO(SEARCH ENGINE OPTIMIZATION), SMO (SOCIAL MEDIA OPTIMIZATION), SALES AND MARKETING, WEB DESIGNING - ANGULAR JS, WEB DESIGNING - NODE JS, BD(BUSINESS DEVELOPMENT), GRAPHICS DEVELOPER, JAVA DEVELOPER, MACHINE LEARNING, .NET DEVELOPER, GAME PROGRAMMER, ANDROID APPLICATION DEVELOPER, ANIMATION SPECIALIST(FLASH SCRIPT ETC), SOFTWARE TESTER, CONTENT WRITER, TRAINING

Toolsandtechnology:

C++



Photo: Browse... photo.png


Resume: Browse... Resume.pdf

Sign: Browse... sign.png

Linkedinurl: [linkedin.in/nilesh/281020](https://www.linkedin.com/in/nilesh/281020)

Select Cities:

Student Coordinator Dashboard.

[Home](#) [Generate NOC](#) [Offer Letter\[Coordinator\]](#) [Applied Students](#) [Add Opportunity](#) [Declare Results](#) [Offer Letter](#) [Results](#) [Passed Opportunity](#) [Kashish](#)

Internship + Placement

COMPANY	TYPE	PACKAGE ▼	STIPEND	BONDTerm	DEADLINE

Placement

COMPANY	TYPE	PACKAGE	BONDTerm	DEADLINE
---------	------	---------	----------	----------

OPPORTUNITY ADDED

• INTERNSHIP + PLACEMENT •

Company Name

Job Role

Location

Preferred Languages

Preferred Tools and Technologies

Package



Internship + Placement

COMPANY	TYPE	PACKAGE ▼	STIPEND	BONDTerm	DEADLINE
TCS	Software Developer	4.2	1500	1.0	April 15, 2020 Expiring Soon
IBM	Software Developer	4.2	5000	1.0	April 15, 2020 Expiring Soon

Placement

COMPANY	TYPE	PACKAGE	BONDTerm	DEADLINE
---------	------	---------	----------	----------




Result

Internship + Placement

COMPANY	TYPE	DEADLINE	RESULT DECLARED/LATEST DECLARED
ibm	Junior Software Developer	April 14, 2020	Not Declared
TCS	Software Developer	April 14, 2020	Not Declared
INEY	web Developer	April 14, 2020	Not Declared
TCS	Software Developer	April 15, 2020	Not Declared
IBM	Software Developer	April 15, 2020	Not Declared

Placement


[Home](#)
[Generate NOC](#)
[Offer Letter\[Coordinator\]](#)
[Applied Students](#)
[Add Opportunity](#)
[Declare Results](#)
[Offer Letter](#)
[Results](#)
[Passed Opportunity](#)
[Kashish](#)

Result Declaration of IBM Software Developer (Placement + Internship)

Select One : ☒ Intermediate ☐ Final

CODING

☐ Select All

☒ 16012101010-Kashish Gandhi

16012101010 KASHISH GANDHI

POST RESULTS


[Home](#)
[Generate NOC](#)
[Offer Letter\[Coordinator\]](#)
[Applied Students](#)
[Add Opportunity](#)
[Declare Results](#)
[Offer Letter](#)
[Results](#)
[Passed Opportunity](#)
[Kashish](#)

Result

Result Successfully Posted

Internship + Placement

COMPANY	TYPE	DEADLINE	RESULT DECLARED/LATEST DECLARED
ibm	Junior Software Developer	April 14, 2020	Not Declared
TCS	Software Developer	April 14, 2020	Not Declared
INFY	web Developer	April 14, 2020	Not Declared
TCS	Software Developer	April 15, 2020	Not Declared
IBM	Software Developer	April 15, 2020	Coding 2020-04-15

Placement



Results

CODING APRIL 15, 2020

OTHER ROUNDS PENDING



Results

CODING APRIL 15, 2020

FINAL APRIL 15, 2020

CONGRATS, YOU WERE SELECTED IN FINAL ROUND.

GENERATE NOC AND UPLOAD OFFER ASAP.



[Home](#)
[Generate NOC](#)
[Offer Letter\[Coordinator\]](#)
[Applied Students](#)
[Add Opportunity](#)
[Declare Results](#)
[Offer Letter](#)
[Results](#)
[Passed Opportunity](#)
[Kashish](#)


Passed Opportunity

Internship + Placement

COMPANY	TYPE	PACKAGE ▼	STIPEND	BONDTERM	DEADLINE
ibm	Junior Software Developer	3.6	1500	1.0	April 14, 2020
TCS	Software Developer	3.6	1500	1.0	April 14, 2020
INFY	web Developer	3.6	1500	1.0	April 14, 2020
Technostacks Infotech Pvt. Ltd	Software Developer	2.4	1500	1.0	April 14, 2020

Placement

Placement Officer Dashboard

	Home	Generate NOC	Offer Letter	Applied Students	Add Opportunity	Declare Results	Upload Offer Letter	Results	Passed Opportunity	PANCHAL
<p>You have already selected Technostacks Infotech Pvt. Ltd for Placement</p> <p>You have already selected Technostacks Infotech Pvt. Ltd for Internship</p> <p>Sorry, Now you can't apply or see other opportunities, Thank You</p>										



Results

SORRY, YOU WERE NOT SELECTED IN APTITUDE ROUND

7. CONCLUSION AND FUTURE SCOPE

Conclusion

The hectic and the integral part of an educational institute to place students can be eased with the help of Training and Placement Management System.

Future work

- The interested company can post its opportunity.
- The examination rounds of the companies can be conducted on the platform.

8. REFERENCES

- <https://docs.djangoproject.com/en/3.0>
- <https://www.google.com/forms/about/>
- www.Indiabix.com