

**PUNE INSTITUTE OF COMPUTER TECHNOLOGY,
DHANKAWADI, PUNE**



**A MINI-PROJECT REPORT
ON
PICT TnP MANAGEMENT SYSTEM**

Submitted By

Class – **TE1, TE3**

Batch – **L1, L3**

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I. ABSTRACT:

Fast, reliable internet connectivity has also meant a shift in the way IT services are delivered. We're increasingly seeing a move to the cloud for storing data but also to provide business services. This is an attractive option for enterprises for many reasons. It reduces the need for investment in infrastructure and shifts the day-to-day operational tasks such as back-ups elsewhere. It also better serves mobile workforces, enabling them to access company systems from anywhere.

For companies looking for website design, Manchester based Bamboo Solutions may be worth approaching. Based in Bury they are easily reachable to those in the Manchester area. Proximity to a designer is key as you may wish to pop in and discuss your plan and how things are progressing.

The Online Future

But the process of moving online has only just begun. New technologies in smart devices will mean even more information appearing on the internet, perhaps without our realizing that it's happening. The Internet of Things will mean that many of our household appliances, cars and even clothes will be able to upload data to the web. This will open a new era in monitoring and controlling our homes, our health and more.

Of course, there are concerns about how all of this will work, how the fabric of the net will cope with extra traffic and how much of our privacy we'll sacrifice by allowing our data to be shared. But whatever happens, we can be sure that however influential we think the internet is now, the online revolution has only just begun.

Hence, we're building a database which can be easily accessed and developed through proper modelling, complex design, and techniques. To communicate with the database, we need a Database Management System (DBMS) that creates a bridge between the end user and data. So, in this project, we'll design and implement a relational database to help the faculty of PICT TnP Cell and students at PICT college to maintain the track of progress of performance in the company placement process.

*The Project '**PICT TnP MANAGEMENT SYSTEM**' not only focuses on placement records, but it also helps the Cell to manage & maintain the data of their students' performance, companies visited, their intake, criteria, graphs, chart and to develop the placement record sheet.*

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CHAPTER 1 INTRODUCTION

1. PURPOSE

Organizing and maintaining data in any organization is very difficult. In every placement season, there is a lot of hustles in the TnP Cell and students. Because every company sends a new google form for their job. Maintaining and collecting data of every student is very challenging. Rather keeping track of students' performance in different rounds is very difficult.

2. SCOPE/FUNCTIONALITIES

Admin (TnP Cell)

- Admin maintains actual data of students and has access to information of all students and companies.
- Temporarily companies' task is also maintained by admin side i.e., adding new JD and updating the list of qualified students.
- Admin can update the list qualified students and can update round details in the placement process.
- Admin can generate the reports and analysis the students' performance by the graphs and pie charts.

Student

- Students can see the list companies with available JD and can apply if eligible.
- Students can track the status their application the company's placement rounds.

Company

- Temporarily all the company's task is done by the admin itself.

CHAPTER 2 HARDWARE & SOFTWARE REQUIREMENTS

2.1 H/W & S/W REQUIREMENTS

Technology used

- Database: MongoDB
- Frontend: ReactJS
- Software: VS code, MongoDB Compass, NodeJS

2.1 SYSTEM CONSTRAINTS

- A high-speed network needed for facilitating quicker query processing.
- Resume above a certain limit cannot be uploaded.

CHAPTER 3 ER DAIGRAM

3.1 PICT TnP Platform module

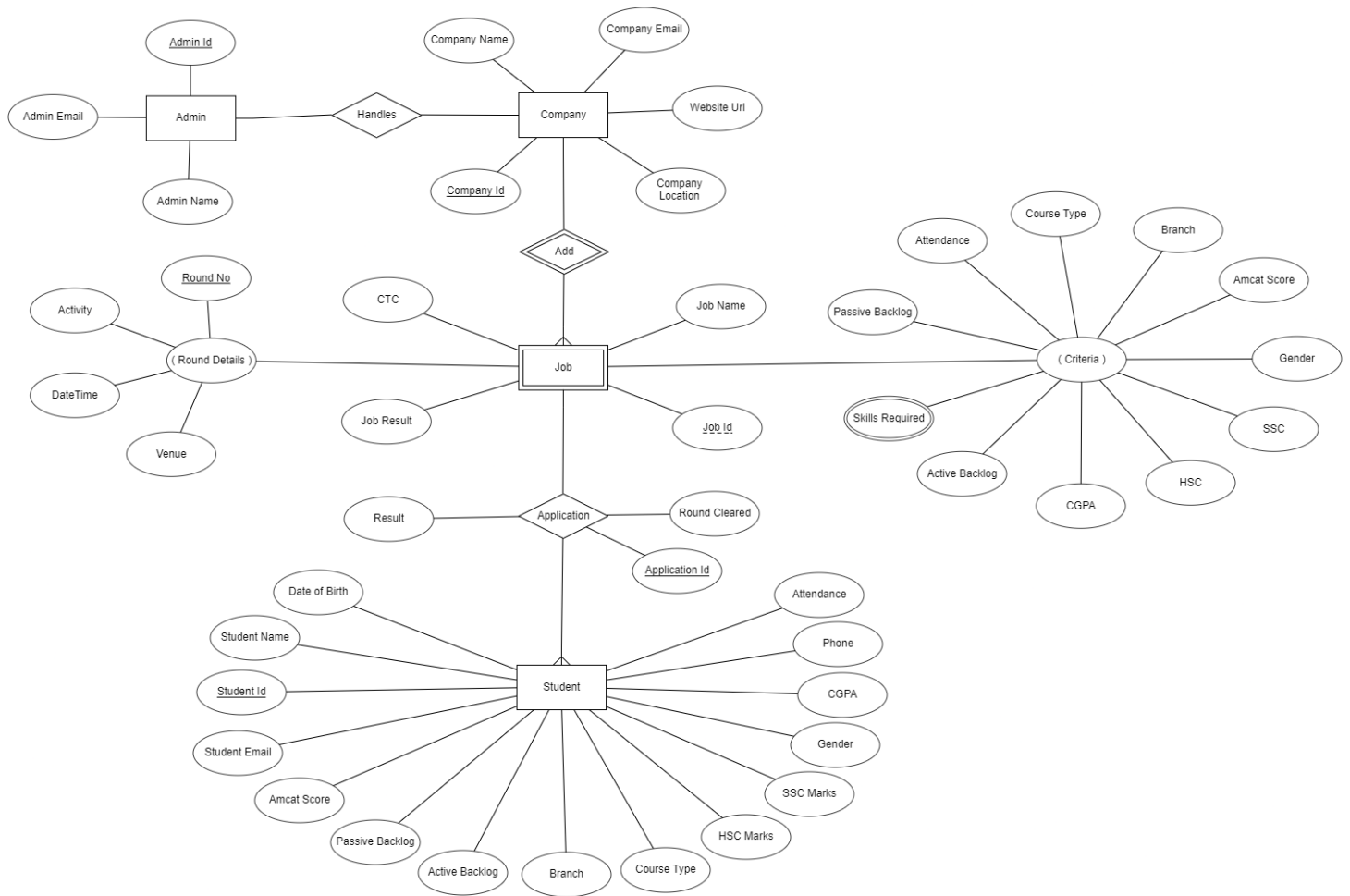


DIAGRAM 1

CHAPTER 4
TESTING CASES AND ANALYSIS

4.1 TEST CASES

SR. NO.	TEST CASE DESCRIPTION	EXPECTED RESULT	ACTUAL RESULT	REMARK
SIGNUP PAGE				
1.	Enter name & password & authenticate.	Students credentials are generated by the admin.	Same as expected	Student shouldn't be already registered.
LOGIN PAGE				
1.	Enter correct username and password	User successfully logged in. Dashboard page will open.	Same as expected	
2.	Enter incorrect username and password	Toast showing incorrect username or password	Same as expected	
ADMIN SECTION				

1.	Add student	Add students name and all the required educational details through the excel sheets in the bulk format.	Same as expected	
2.	Add company with JD	Admin can add company with JD and can set some criteria for the same	Same as expected	
3.	Display students and companies.	List of students and companies present in the	Same as expected	

		database will be displayed.		
STUDENT SECTION				
1.	Apply for the company	If student is eligible then he/she can apply for the particular company	Same as expected	

Table no. 1

CHAPTER 5 RESULTS (SCREENSHOTS)

LOGIN INTERFACE –

PICT TnP Platform

Email address

Enter email address as your user id


Password

Enter secure password

☐ Admin ☒ Student

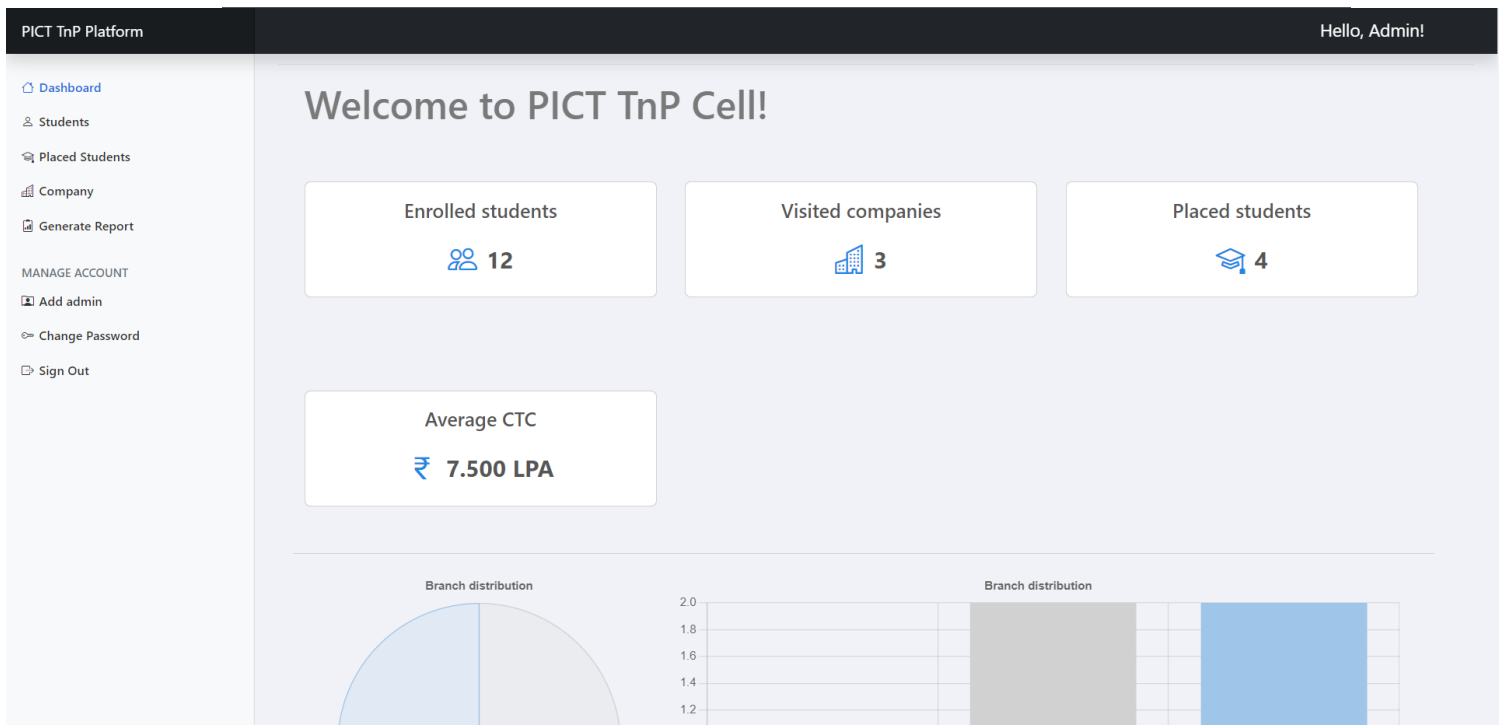
[Forgot password](#)

Sign In

PICT  PICT FOSS CLUB Team

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ADMIN DASHBOARD –



ADMIN STUDENT LIST –

PICT TnP Platform

Hello, Admin!

Dashboard

Students

Placed Students

Company

Generate Report

MANAGE ACCOUNT

Add admin

Change Password

Sign Out

Student table

Search student

search for...

Enter the details like firstname, lastname, email, roll no, etc.

Upload Students

Choose File

No file chosen

Upload

Name	Is placed?	Regular	Niche	Action
Chirag Sidram Gawali	Yes	Yes	No	View
Deepika Jayesh Padukone	No	No	No	View
Ganesh Chandrashekhar Ahire	No	No	No	View
Heena Prakash Joshi	No	No	No	View
Kedar Kashinath Koshti	No	No	No	View
Sangmeshwar Chandrashekhar Mahajan	Yes	No	Yes	View
Latika Jayesh Mahajan	No	No	No	View
Ashok Kashinath Jawale	Yes	No	Yes	View
Babita Chandrashekhar Iyyer	No	No	No	View
Vinayak Sidram Jamadar	Yes	No	Yes	View
Nimisha Prakash Somani	No	No	No	View

ADMIN PLACED STUDENT LIST –

PICT TnP Platform

Hello, Admin!

Dashboard

Students

Placed Students

Company

Generate Report

MANAGE ACCOUNT

Add admin

Change Password

Sign Out

Student table

Search student

search for...

Enter the details like firstname

Filter by course

Filter by branch

Download Excel

Download PDF

Roll No	College Id	Name	Mobile No	Branch	Placed Company	Action
33333	i2k20174731	Chirag Sidram Gawali	7020563855	it	PhonePe	View
77777	e2k20854531	Sangmeshwar Chandrashekhar Mahajan	8011265429	entc	PhonePe	View
11111	i2k20583532	Ashok Kashinath Jawale	9579025149	it	PhonePe	View
11113	e2k28524479	Vinayak Sidram Jamadar	8763686582	entc	PhonePe	View

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ADMIN COMPANY LIST –

PICT TnP Platform

Dashboard

Students

Placed Students

Company

Generate Report

MANAGE ACCOUNT

Add admin

Change Password

Sign Out

Hello, Admin!

Company records

Search company

search for...

Enter the name of company

+ Add a Company

Phonepe

1. SDE : round - 1 → [Link](#)

2. Data Analyst : round - 3 → [Link](#)

Add job opening

UBS

1. Web dev : round - 1 → [Link](#)

Add job opening

DE Shaw & Co

No job opening record available

Add job opening

ADMIN ADDING NEW COMPANY JD –

PICT TnP Platform

Dashboard

Students

Placed Students

Company

Generate Report

MANAGE ACCOUNT

Add admin

Change Password

Sign Out

Hello, Admin!

Phonepe - Add new job opening

* All fields are mandatory

About profile

Profile/Job description details*

Job description

CTC in LPA

Upload pdf of company details*

Choose File

No file chosen

Registration end date and time*

mm/dd/yyyy --:-- --

About criteria

UG Branch*

Computer Engineering

Information Technology

E&TC

PG Branch*

Computer Engineering

Information Technology

E&TC

Gender*

Male

Female

Both

10th percentage*

10th percentage

12th/Diploma percentage*

12th percentage

Engineering Cgpa*

Engineering cpga

GENERATE REPORT –

PICT TnP Platform

Dashboard

Students

Placed Students

Company

Generate Report

MANAGE ACCOUNT

Add admin

Change Password

Sign Out

Hello, Admin!

Placement Report

		Criteria		UG			PG			Total					
Sr No	Company	CGPA	Branch	CE	E&TC	IT	CE	E&TC	IT	M	F	T	Sal LPA	Total salary LPA	Date visited
1	Phonepe	NC	CE IT -(UG) & -(PG)	0	0	0	0	0	0	0	0	0	18.14	0	01/08/2022
2	UBS	NC	All (UG and PG)	0	1	0	0	0	0	1	0	1	30	30	2022-08-30

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STUDENT DASHBOARD –

PICT TnP Platform

Dashboard

Company

MANAGE ACCOUNT

Change Password

Profile

Sign Out

Hello, Sangmeshwar

Phonepe

Data Analyst

Upcoming

Next : Round 1 - See schedule

UBS

Web dev

Upcoming

Next : Round 1 - See schedule

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ADMIN STUDENT PROFILE –

PICT TnP Platform

Hello, Admin!

Dashboard

Students

Placed Students

Company

Generate Report

MANAGE ACCOUNT

Add admin

Change Password

Sign Out

Sangmeshwar Chandrashekhar Mahajan

Applied Companies Status

Phonepe	Data Analyst	Applied
UBS	Web dev	Applied

Personal Information

Email:	mahajansangmeshwar04@gmail.com	Alternate email:	rohit2@yahoo.com
Mobile:	8011265429	Alternate Mobile:	1234567890
DOB:	1970-01-01	Gender:	Male

ADMIN COMPANY PROFILE –

PICT TnP Platform

Hello, Admin!

Dashboard

Students

Placed Students

Company

Generate Report

MANAGE ACCOUNT

Add admin

Change Password

Sign Out

Phonepe

Data Analyst

₹ 18.14 LPA

About company criteria

Branch: UG: CE IT , PG:

Minimum CGPA Criteria: 0

Email: phonepe@gmail.com

Website: [🌐](#)

Update registration end date and time : 2022-09-25 & 00:00:00

mm/dd/yyyy --:--:-- [📅](#) [Update](#)

Round details

[+ Add round](#)

STUDENT COMPANY LIST

PICT TnP Platform

Hello, Sangmeshwar

Dashboard

Company

MANAGE ACCOUNT

Change Password

Profile

Sign Out

Company records

Search company

search for...

Enter the name of company

Phonepe

1. SDE (₹ 33.14 LPA) : round - 1 → [Link](#)

2. Data Analyst (₹ 18.14 LPA) : round - 3 → [Link](#)

UBS

1. Web dev (₹ 30 LPA) : round - 1 → [Link](#)

DE Shaw & Co

No job opening record available

PICT

PICT FOSS CLUB

Team

STUDENT COMPANY PROFILE/JD

PICT TnP Platform

Hello, Sangmeshwar

Dashboard

Company

MANAGE ACCOUNT

Change Password

Profile

Sign Out

Round details

Coding

Round No: 1

Date: 2022-08-24

Time: 17:20

Venue: Department Labs

Techinal 1

Round No: 2

Date: 2022-08-25

Time: 17:20

Venue: Dept Labs

HR Interview

Round No: 3

Date: 2022-08-25

Time: 18:20

CHAPTER 6 CONCLUSION & FUTURE ENHANCEMENTS

6.1 CONCLUSION

Hence, we have successfully built an application that intended to help to admin and students for throughout their placement season. We took help all concept of MongoDB in Database Management System. Also, we have a pretty interface to provide a window to make changes, so the application becomes a dynamic one.

6.2 FUTURE ENHANCEMENTS

- To add Automated Reports generation module so the manual work can be reduced till some extent.
- Maintaining the resume of students and sending them to companies and filtering them according to some criteria.