

A
Project Report
On

"Online Campus Placement Cell"

Submitted in the partial fulfillment for the

DIPLOMA IN COMPUTER ENGINEERING

of Maharashtra State Board of Technical Education
Government of Maharashtra, Mumbai.

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Certificate

This is to certify that project report on

"Online Campus Placement Cell"

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ABSTRACT

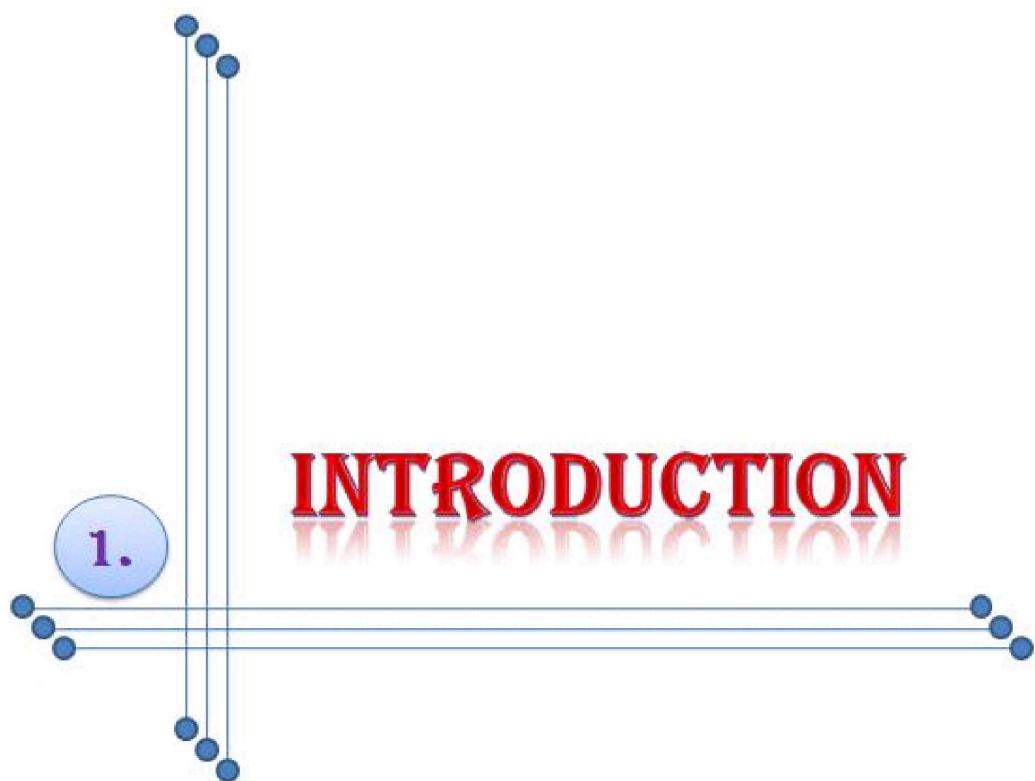
Campus Placement System is a platform that provides an interface between students and company. This project is online application and anyone can access this system at any time. System provides the list of suitable companies to students, according to their educational qualification, experience.

The system is online application which provides the eligible students from a pool according to required skill for vacancy of company. Administrator can see the entire job for desired candidate and inform them for required post. It provide more convenient usage to administrator through its graphical and user friendly.

This system is an online application that can be accessed through the organization and outside as well as with proper login provided. The system provides the facility of viewing both the personal and academic information of the student and company. Eligible students will receive an email including the details of the company in which date and time will be provided.

The system focuses on automation of conventional training and placement management system. This system can be used as an application for the Training & Placement Officers in the college to manage the student information with regard to placement and providing assistance using the assistance portal where students can post their query to the TPO and coordinators. Providing Student login helping them to update their personal and educational information in a form which will be added to the database and upload a resume and providing them with preparation materials for placements.

INTRODUCTION



1. INTRODUCTION

This project is aimed at developing an online application for Student and Placement Department of the college. The System is an online application that can accessed thought the organization with proper login provided.

Campus Placement Cell is a platform that provides interface between Students and Company. The administrator play an important role in our project. Administrators logging may also search any information put by the students. They provide approval of student registration and updating. System provide the list of suitable companies to students, according to their education qualification, experience.

System provides the list of eligible students from a pool according to required skill for vacancy of company. The key feature of this project is that it is one time registration. The users can access the data easily in no time. In the main page there are option for new register, a registered student to directly login using username and password. In Student registration form, we can give personal detail, educational qualification details. This feature helps in many ways like saving cost, time and paper work this shows the paperless environment.

Main modules in online campus placement cells are:

- Student Module
- Admin Module

➤ **Student Module:**

- Student of the college is the user of this application.
- New student need to login with basic detail.
- Registered student can login using unique username and password.
- Student can update profile information.
- Student can change his or her password.

➤ **Admin Module:**

- Admin has supreme power of application.
- Admin is responsible for maintaining the whole system.
- Admin provide approval for a student and co-operate registration.

1.1 Present Available System

In various colleges, campus placement officers have to manage the students profile and documents of students for their campus placement manually.

Administrator has to collect the information of various companies who want to recruit students and notify students time to time about them.

Administrator has to arrange profiles of students according to various streams and notify them according to company requirement.

If any modifications or updates are required in the profile of any students, It has searched and to be done it manually.

1.2 Need of New System

In previous days, when the campus selection are conducted all the process is done manually, Student should provide their details manually to Placement manager. This routine process is maintained manually, like maintenance of their details in paper.

In order to avoid the existing problem of Student for their future we are design existing system as Online Campus Placement Cell, so whatever the information Placement manager has to pass to the Student he/she can inform online. Student's information is maintained in the database, it gives more security to data, ensures data accuracy, reduces paper work and save time. The system can be used as an application for Placement manager to manage the student information with regards to placement.

Student can know about company details through the details provided by admin. Admin can easily collect student details and approve the details provided by them. Administrator has to do the service like adding, updating events, etc. All the user have some common services like changing password, updating details, searching for details, checking the details uploaded by the admin. For this purpose we need this online application for Campus Placement.

1.3 Advantages of New System

- It is trouble-free to use.
- Is highly reliable, approximate result from user.

LITERATURE REVIEW

2.

2. LITERATURE REVIEW

A paper on “Generating Placement Intelligence in Higher Education Using Data Mining” gives that a university is an institution of higher education and research which grants academic degrees in a variety of subjects and provides both undergraduate education and postgraduate education. University performs various activities like enrolling the students, conducting classes, conducting special workshops of different subjects, conducting placement etc. This paper is going to describe the activity related to placement, placement cell, and student database.

Now a day's student joins the college for placement as well as for better education for their future, but there is lot of problem if any modification or updates are required in the profiles of any students, it has to be done manually. This is tedious and time consuming lack of security of data. This process is so difficult when numbers of users increases.

To overcome to this problem we develop an online application for we use java programming language. Java is perfectly acceptable and workable for web development and actually better than .net and Python. Java is a general Programming language. It is an Object Oriented, static type language. From his experience if we use the right web development tool then java is definitely a great language for web development.

Java is perfectly fine for small website, you can get JSP pages working very quickly with a Java Web Server such as Tomcat. The main reason for large company choosing Java over other solution is because it is considered to be much more secured.

- **Features of Java**

- Java is truly platform independent programming language that support many operating system as well as type of hardware.
- Java is highly scalable programming language.
- Java is an open source language, which means it is available free of cost.

2.1 Related Work

- **JDK :**

A Java Development Kit (JDK) is a collection of tools which are used for developing, designing, debugging, executing and running java programs. Java is a

machine independent and operating system independent language. A program written in java can be run on any machine or in any platform provided the interpreter of that particular platform.

- **JAVA AWT - POWERFUL TOOL :**

AWT stands for Abstract Windowing Toolkit. It has all libraries required for GUI programming Java AWT is a package that embeds all GUI classes that can be used for programming. For any GUI program this package is first imported. Some of the tools that are available in this package include.

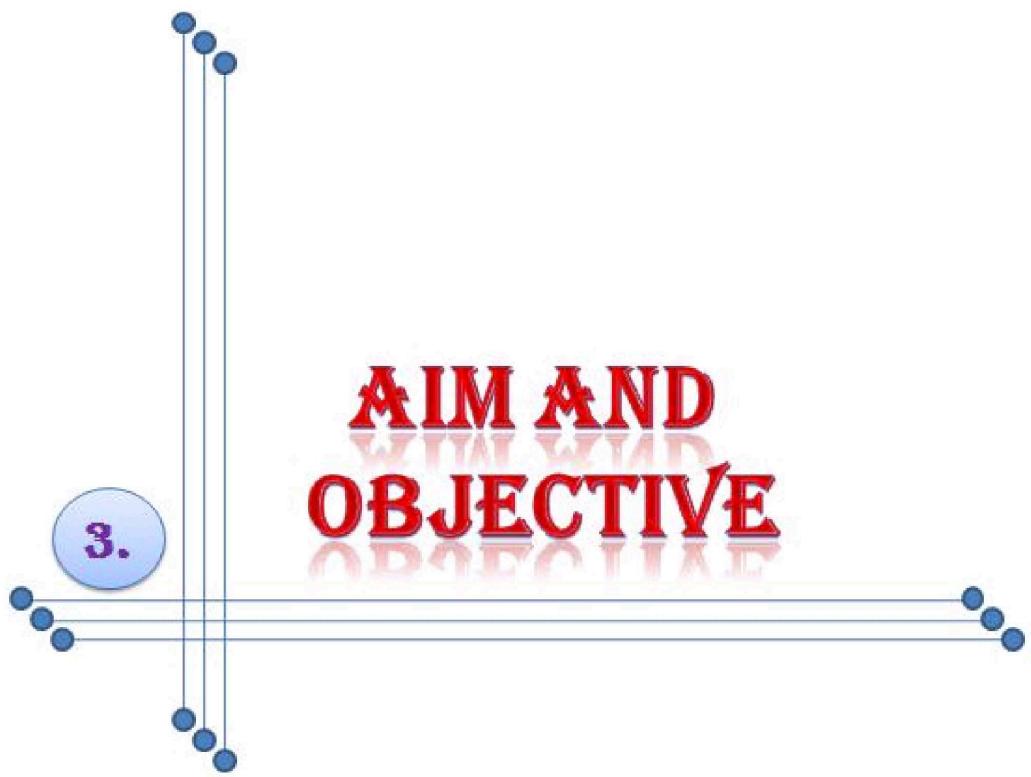
- Button
- Scroll Bars
- List Boxes
- Choice Boxes
- Windows

AWT also includes methods for handling events graphical operations.

- **SWING:**

Swing is a set of classes that provides more powerful and flexible components more than are possible with the AWT .In addition to familiar components, such as buttons, check boxes, and labels. Swing supplies several additions, including tabbed panes, scroll panes, trees and tables. Even familiar components such as buttons have more capabilities in swing. For example, a button may have both an image and a text string associated with it. Also, the image can be changed as the state of the button changes.

Swing components are platform independent so the term lightweight is used. The swing-related classes are contained in javax.swing and its subpackages, such as javax.swing.tree.



3. AIM AND OBJECTIVES

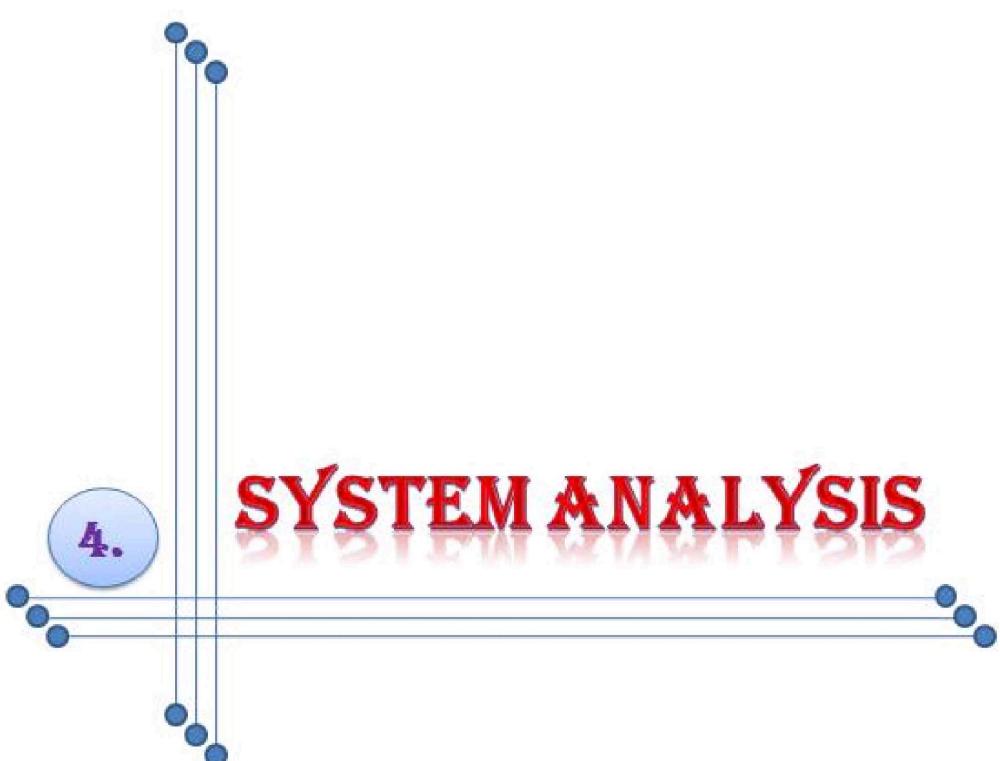
3.1 Aim of Project

The Aim of Campus Placement Cell is to identify the talented and qualified professionals before they complete their education. This process reduces the time to pick up the candidates according to their need.

3.2 Objectives

The main Objectives of this System are as”

- Maintain individual Student record.
- Generating random ID for each Student which is unique.
- Creating Database.
- Maintain Section wise Student details.
- Maintain records instead of written material.



SYSTEM ANALYSIS

4. SYSTEM ANALYSIS

System analysis is the process of gathering and interpreting facts, diagnosing problem and using the fact to improve the system. System specifies what system should do. A system is a set of component that interact to accomplish some purpose.

- Identifying the drawback of the existing system.
- Perform feasibility study

After analyzing the requirements of the task to be performed, the next step is to analyze the problem and understand its context. The first activity in the phase is studying the existing system and other is to understand the requirements and domain of the new system. Both the activities are equally important, but the first activity serves as a basis of giving the functional specifications and then successful design of the proposed system. Understanding the properties and requirements of a new system is more difficult and requires creative thinking and understanding of existing running system is also difficult, improper understanding of present system can lead diversion from solution.

- **Software Engineering :-**

Software Engineering is the establishment and use of sound engineering principles in order to obtain economically software i.e. reliable and works efficiently on machines. The application of systematic, disciplined, quantifiable approach to the development, operation and maintenance of software that is the application of engineering to software.

- **A Generic view of Software Engineering :-**

Engineering is the analysis, design, construction, verification and management of technical entities. Regardless of the entity to be engineered, the following questions must be asked and answered:

1. What is the problem to be solved?
2. What characteristics of entity are used to solve the problem?
3. How will the entity be realized?
4. How will the entity be constructed?
5. What will be the approach to uncover the errors in design?

6. How will the entity be supported over the long term? What is the SDLC?

The Systems Development Life Cycle (SDLC), or Software Development Life Cycle in systems engineering and software engineering is the process of creating or altering systems and the models and methodologies that people use to develop these systems. The concept generally refers to computer or information system.



Fig. Software Development Life Cycle

In software engineering the SDLC concept underpins many kinds of software development methodologies. These methodologies form the framework for planning and controlling the creation of an information system software development process.

- **Planning:-**

The objective of software project planning is to provide a framework that enables the management to make reasonable estimates of resources, cost and schedule.

These estimates are made within limited time frame at the beginning of a software project and should be updated regularly as the project progresses. In addition, estimates should attempt to define best case and worst case scenarios so that project outcomes can be bounded.

- **Software Scope:**

The first activity in software project planning is the determination of software scope. Software scope describes the data and control to be processed, function, performance, constraints, interfaces and reliability. The project has a very vast scope in future.

4.1 Feasibility Study

Feasibility study is a preliminary study undertaken to determine and documents a project's viability. The purpose of feasibility study is not to solve the problem, but to determine if the problem is worth solving. The term feasibility study is also used to refer to the resulting document. These results of this study are used to make a decision whether to proceed with the project or table it. If it indeed leads to a project being approved, it will – before the real work of the proposed project starts – be used to ascertain the likelihood of the project success. It is an analysis of possible alternative solutions to a problem and a recommendation on the best alternatives. The Feasibility Study concentrates on the following, such as Operational Feasibility, Technical Feasibility.

4.1.1 Operational Feasibility

It is to find out whether the current work practices and procedures support a new system. Operational Feasibility study tests the operational scope of the software to be developed.

Also Social factors i.e. how the organizational changes will affect the working lives of those affected by the system.

4.1.2 Technical Feasibility

This involves questions such as whether the technology needed for the system exists, how difficult it will be to build, and whether the firm has enough experience using this technology. The assessment is based on an outline design of system requirement in terms of Input, Processes, Output, Fields, Program and Procedures. Technical Feasibility study compares the level of technology available in the software development and the level of technology required for the development of the product.

4.1.3 Economic Feasibility

A system can be developed technically and that will be used if installed must still be a good investment for the organization. In the economical feasibility, the development cost in creating the system is evaluated against the ultimate benefit derived from the new systems. Financial benefits must equal or exceed the costs.

The system is economically feasible. It does not require any addition hardware or software. Since the interface for this system is developed using the existing resources and technologies available at NIC, There is nominal expenditure and economical feasibility for certain.

Software feasibility has four dimensions:

- Technology- is a project technically feasible?
- Is it within the state of art?
- Finance - Is it financially feasible?
- Time- will the project be completed within specified time?
- Resources-does the organization have the resources needed to succeed?
- After taking into consideration of above said dimensions, we found it could be feasible for us to develop this project.

Why Are Feasibility Studies so Important?

- The information you gather and present in your feasibility study will help you:
- List in detail all the things you need to make the business work.
- Identify logistical and other business-related problems and solutions.
- Develop marketing strategies to convince a bank or investor that your Business is worth considering as an investment and
- Serve as a solid foundation for developing your business plan.

The Components of a Feasibility Study

- Description of the Business: The product or services to be offered and how they will be delivered.
- Market Feasibility: Includes a description of the industry, current market, anticipated future market potential, competition, sales projections, potential buyers, etc.
- Technical Feasibility: Details how you will deliver a product or service (i.e., materials, labor, transportation, where your business will be located, technology needed, etc.).
- Financial Feasibility: Projects how much start-up capital is needed, sources of capital, returns on investment, etc.

- Organizational Feasibility: Defines the legal and corporate structure of the business (may also include professional background information about the founders and what skills they can contribute to the business).

- **Development:-**

The development phase involves converting design specifications into executable programs. Effective development standards include requirements that programmers and other project participants discuss design specifications before programming begins. Programmers use various techniques to develop computer programs. The large transaction-oriented programs associated with financial institutions have traditionally been developed using procedural programming techniques. Procedural programming involves the line-by-line scripting of logical instructions that are combined to form a program. Primary procedural programming activities include the creation and testing of source code and the refinement and finalization of test plans. Typically, individual programmers write and review (desk test) program modules or components, which are small routines that perform a particular task within an application.

Completed components are integrated with other components and reviewed, often by a group of programmers, to ensure the components properly interact. The process continues as component groups are progressively integrated and as interfaces between component groups and other systems are tested.

- **Development Standards:**

Development standards should be in place to address the responsibilities of application and system programmers. Application programmers are responsible for developing and maintaining end-user applications. System programmers are responsible for developing and maintaining internal and open-source operating system programs that link application programs to system software and subsequently to hardware. Managers should thoroughly understand development and production environments to ensure they appropriately assign programmer's responsibilities.

Development standards should prohibit a programmer's access to data, programs, utilities, and systems outside their individual responsibilities. Library controls can be used to manage access to, and the movement of programs between, development, testing, and production environments. Management should also establish standards requiring

programmers to document completed programs and test results thoroughly. Appropriate documentation enhances a programmer's ability to correct programming errors and modify production programs.

- **Software Documentation:**

Organizations should maintain detailed documentation for each application and application system in production. Thorough documentation enhances an organization's ability to understand functional, security, and control features and improves its ability to use and maintain the software. The documentation should contain detailed application descriptions, programming documentation, and operating instructions. Standards should be in places that identify the type and format of required documentation such as system narratives, flowcharts, and any special system coding, internal controls, or file layouts not identified within individual application documentation.

- **System documentation should include:**

System Descriptions – System descriptions provide narrative explanations of operating environments and the interrelated input, processing, and output functions of integrated application systems.

- **Maintenance :-**

Software maintenance in software engineering is the modification of a software product after delivery to correct faults, to improve performance or other attributes, or to adapt the product to a modified environment. This international standard describes the software maintenance processes as:

- **Corrective maintenance:** Reactive modification of a software product performed after delivery to correct discovered problems.
- **Adaptive maintenance:** Modification of a software product performed after delivery to keep a software product usable in a changed or changing environment.
- **Perfective maintenance:** Modification of a software product after delivery to improve performance or maintainability.

5.

DESIGN DETAILS

5. DESIGN DETAILS

Design is the first step in the development phase for any techniques and principle for the purpose of defining a device process or system in sufficient detail to permit its physical realization. System design is the process of defining architecture, components, module and data for system to satisfy specified requirements. System design could be seen as the application of a system theory to product development.

The system design document is a required document for every project. It should include a high level description of why the system design document has been created, provide what the new system is intended for or is intended to replace and contain detailed descriptions of the architecture and system components.

Once the software requirements have been analyzed and specified the software design involves three technical activities – design, coding and implementation and testing that are required to build and verify the software.

The design activities are of main importance in this phase, because in this activity decision ultimately affecting the success of the software implementation and its ease of maintenance are made. This decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customers requirement into finished software or a system.

Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps. Preliminary design is concerned with the transformation of requirements into data.

Software design sits at the technical kernel of the software engineering process and is applied regardless of the development paradigm and area of application. Design is the first step in the development phase for any engineered product or system. The designer's goal is to produce a model or representation of an entity that will later be built. Beginning, once system requirement have been specified and analyzed, system design is the first of the three technical activities -design, code and test that is required to build and verify software.

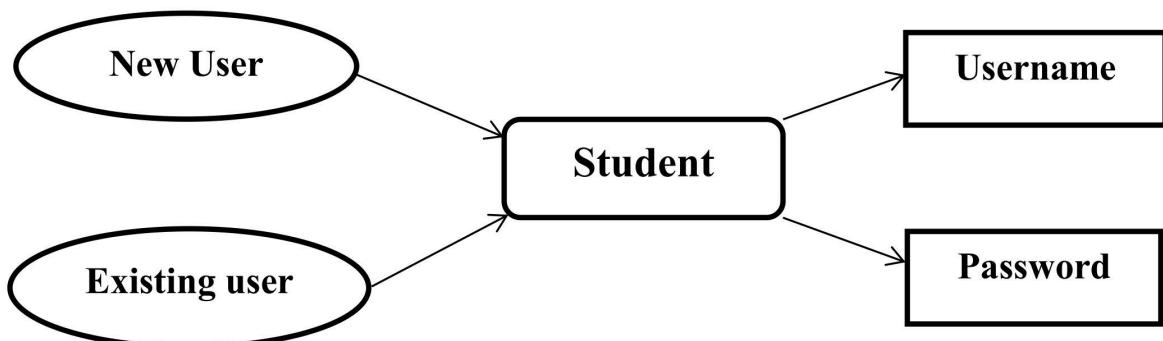
The importance can be stated with a single word “Quality”. Design is the place where quality is fostered in software development. Design provides us with representations of software that can assess for quality. Design is the only way that we can accurately translate a customer’s view into a finished software product or system. Software design serves as a foundation for all the software engineering steps that follow. Without a strong design we risk building an unstable system – one that will be difficult to test, one whose quality cannot be assessed until the last stage.

During design, progressive refinement of data structure, program structure, and procedural details are developed reviewed and documented. System design can be viewed from either technical or project management perspective. From the technical point of view, design is comprised of four activities – architectural design, data structure design, interface design and procedural design.

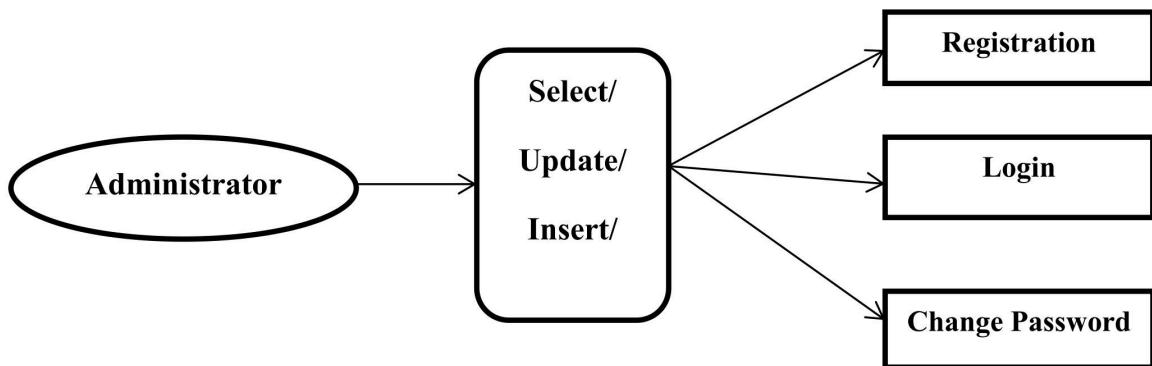
5.1 DATA FLOW DAIGRAM

A data flow diagram (DFD) is a graphical tool used to describe and analyze the movement of data through a system by depicting the flow of data, storage of data, source or destination of data and the processes that respond to change in data. The DFD is one of the most important tools used by the system analysts to model system components.

- **DFD For Student**



- **DFD For Admin**



5.2 Entity Relationship Diagram

An Entity Relationship Diagram (ERD) is a graphical tool to express the overall structure of a database. An entity is a place, person, thing or event of interest to the organization and about which data are captured, stored or processes. The attribute are various kinds of data that describe an entity. An association of several entities in an Entity Relationship model is called relationship.

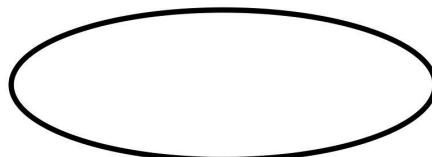
An ERD consists of the following major components”

a. Rectangle :



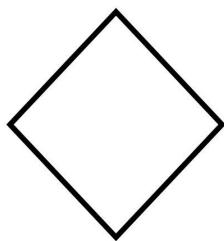
Used for representing entity types.

b. Ellipse:



Used for representing attribute.

c. Diamond:



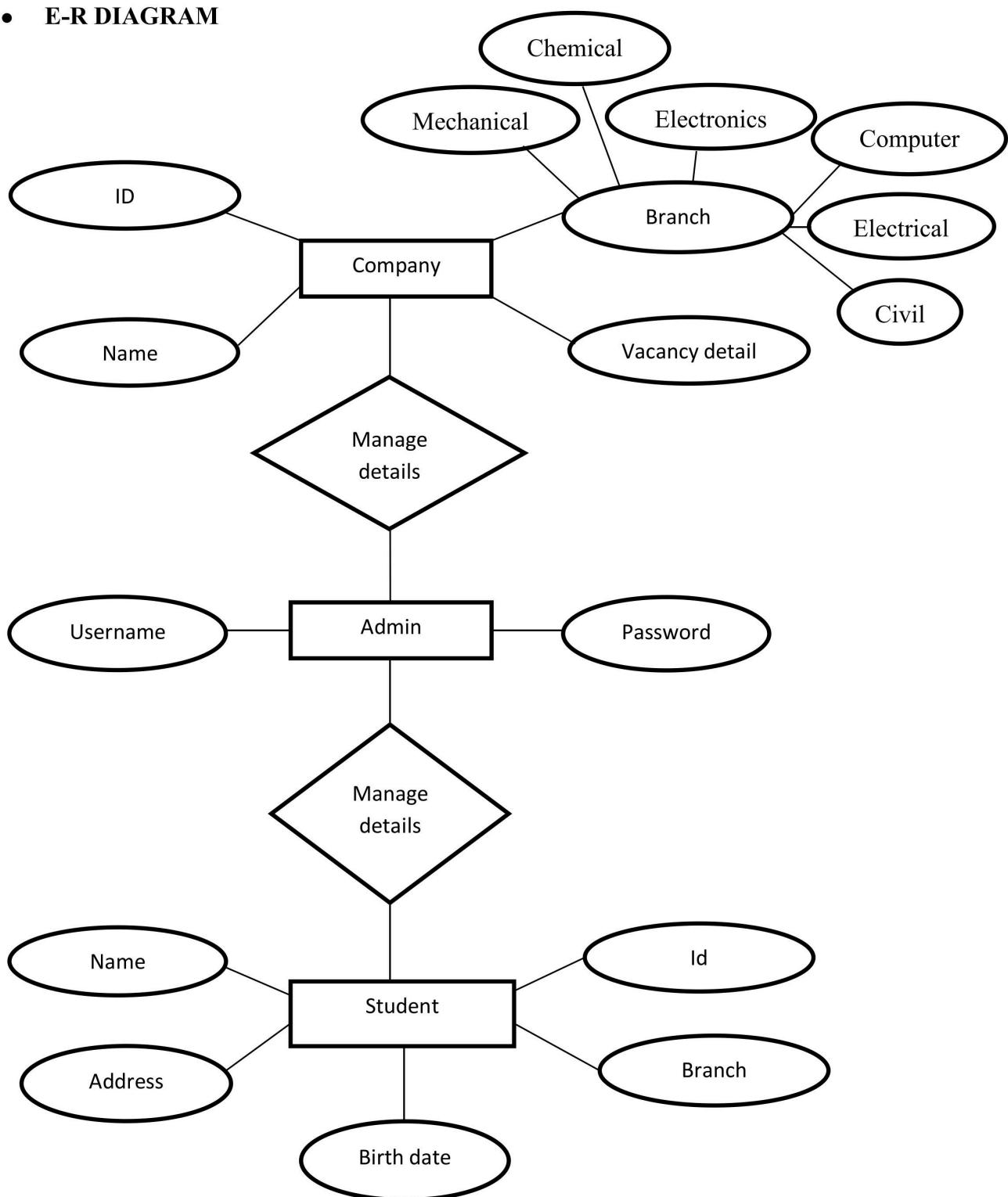
Used for representing relationship types

d. Lines:



Used for linking attributes to entity type

- **E-R DIAGRAM**



5.3 USE CASE DIAGRAM

A use case diagram is a graphical depiction of a user's possible interactions with a system. A use case diagram shows various use cases and different types of users the system has and will often be accompanied by other types of diagrams as well. The use cases are represented by either circles or ellipses. The actors are often shown as stick figures. The purpose of a use case diagram in UML is to demonstrate the different ways that a user might interact with a system.

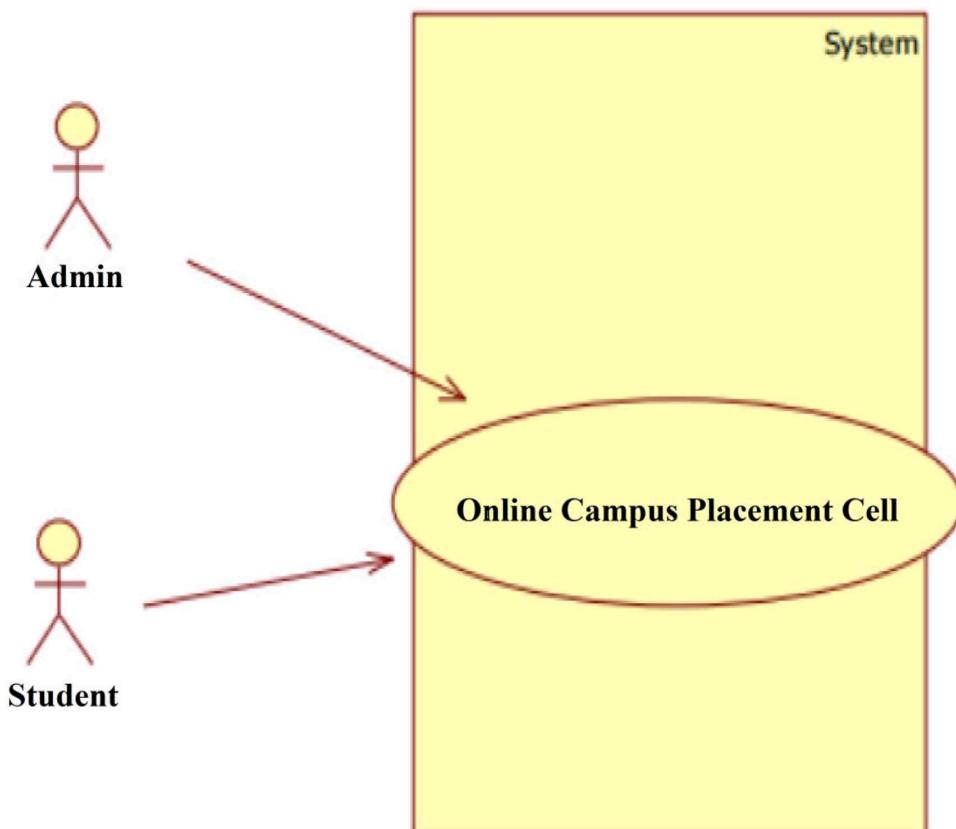


Fig. System Use Case Diagram

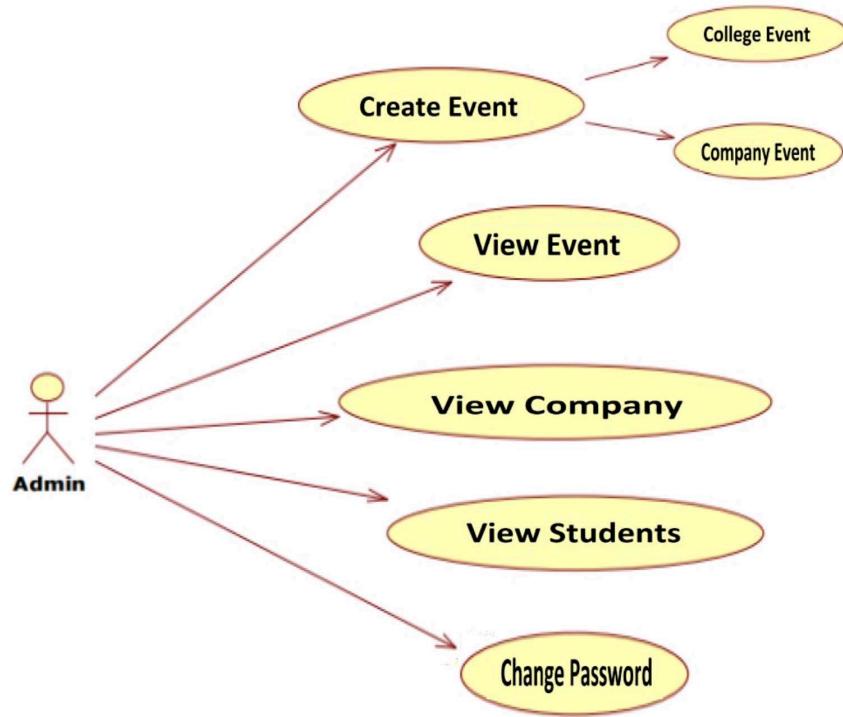


Fig. Admin Use Case Diagram

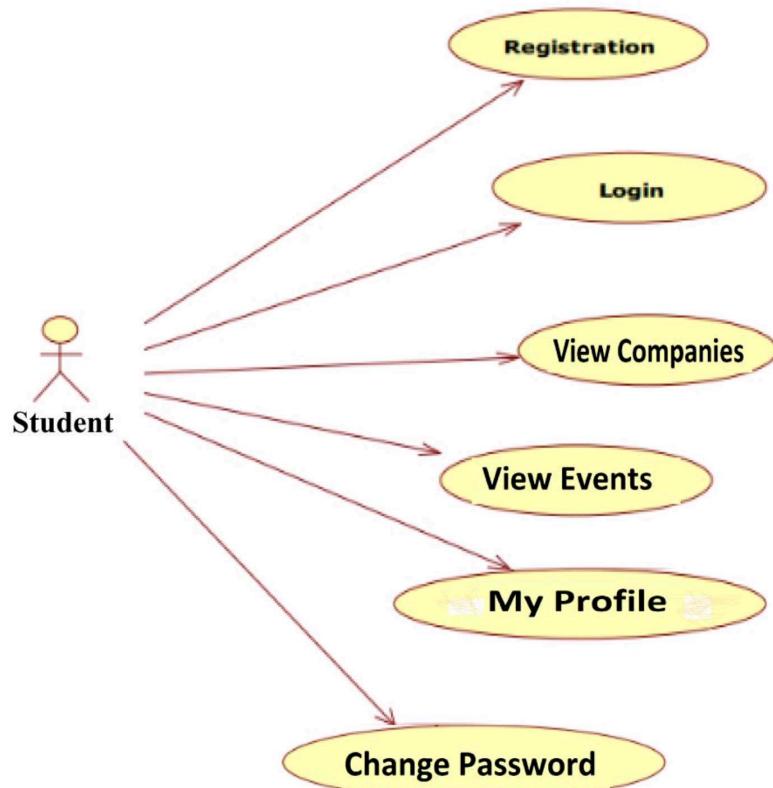
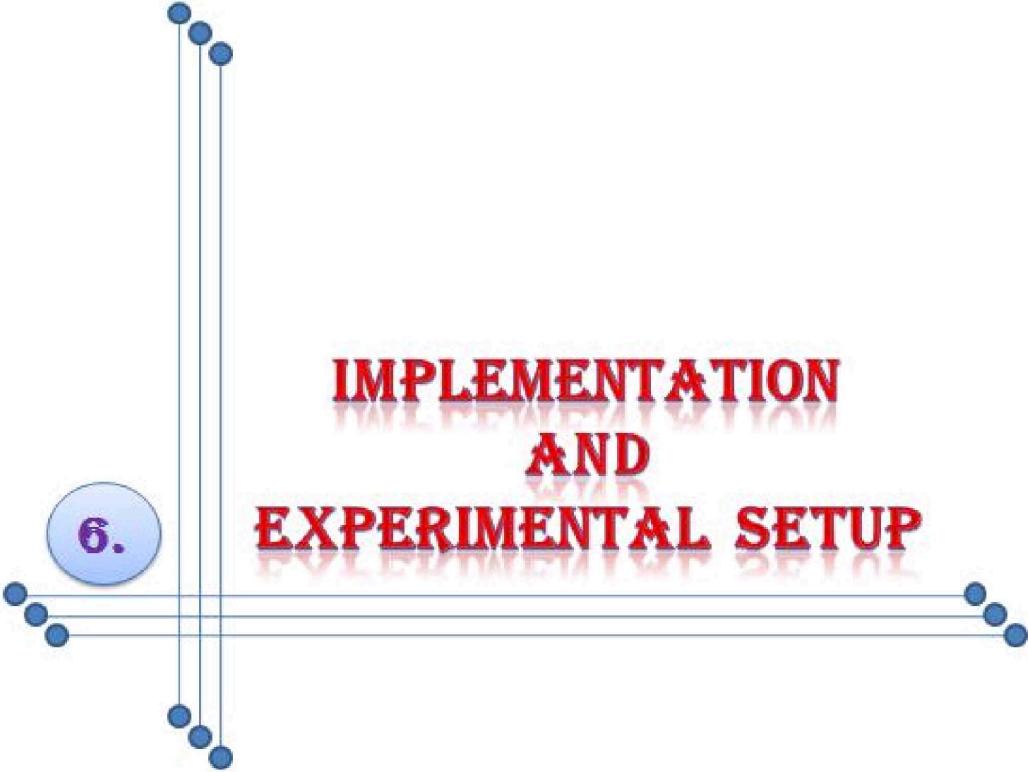


Fig. Student Use Case Diagram



IMPLEMENTATION AND EXPERIMENTAL SETUP

6.

6. IMPLEMENTATION AND EXPERIMENTAL SETUP

6.1 Hardware and Software Requirement

- **Hardware Requirement**

Hardware : Processor Intel

Operating System : Windows 10

Browser : Google chrome, Mozilla Firefox

Database : My Access

RAM : 4 GB

Processor : Intel Pentium

- **Software Requirement**

MS Access: Microsoft Access is an information management tool that helps you store information for reference, reporting and analysis. Microsoft Access helps you to analyze large amount of information and manage related data more efficiently than Microsoft Excel or other spreadsheet applications. Databases provide a central location to store, secure and control your data. Microsoft Access includes the ability to encrypt and password protect database files. Microsoft Access works in the same manner any database does, by storing related information together and letting you create connection between two different things in MS Access can be very simple or complex.

- **Apache Tomcat web Server**

- **Front End :** Java
- **Back End :** MySql

6.2 Testing

Testing is the stage of implementation, which is aimed at ensuring that the system works accurately and efficiently before live operation commences. The logical design and physical design is thoroughly and continually examine on paper to ensure that they will work when implemented.

Thus the system test in implementation was a confirmation that all is correct and opportunities to show the user that the system work.

Testing of the online classified system was performed in three stages which are as follows:

- **Unit Testing**
- **Integration Testing**
- **System Testing**

Unit Testing:

Unit testing is undertaken when a module has been coded and successfully reviewed. This can be done by two methods:

- a) Black Box Testing
- b) Equivalence class Partitioning

Black Box Testing

Black box testing is referred as behavioral testing. Black box testing is mainly related to functional requirement of the software.

Black box testing focus on information domain and deliberately ignores control structure. Back box testing is performed during or in latter stage of software program.

Equivalence class partitioning

The domain of the input values to a program is partitioned into a set of equivalence classes. This partitioning is done in such a way that the behavior of the program is similar to every boundary value analysis. Boundary value analysis leads to section of the test case at the boundaries of the different equivalence classes.

In our project particularly, first we create the login form and then by running the form we conclude and tested that whether it runs properly or not. So such a way we perform the unit testing and in this way we have done the testing to the all forms.

Integration Testing

During integration testing different modules of the system are integrated using integration plan. The integration plan specifies the steps and the order in which modules are combined to realize the full system.

Purpose:

- To test whether the module performs its intended task.
- Once all the modules have been integrated and tested, system testing can start.

System Testing:

System testing are designed to validate a fully developed system with a view to assuring that it meets its requirement. There are three types of system testing which are as follows.

- Alpha Testing
- Beta Testing
- Test case Design

7.

RESULT ANALYSIS

7. RESULT ANALYSIS

7.1 Screenshots:

- This is the home page of our project.

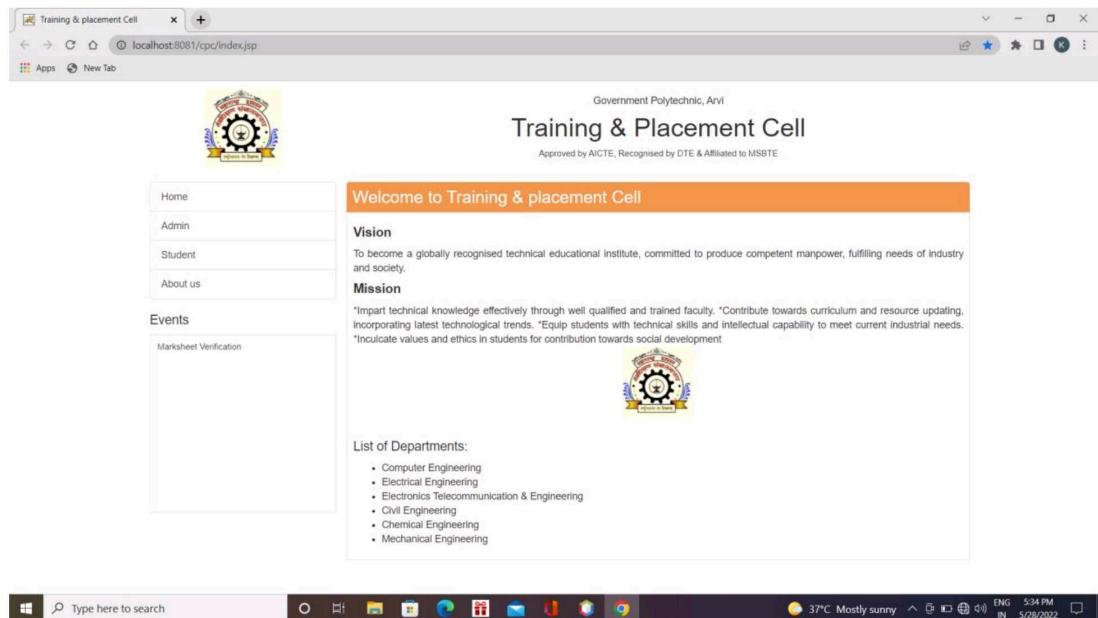


Fig. Home Page

- In this page admin can login by using username and password.

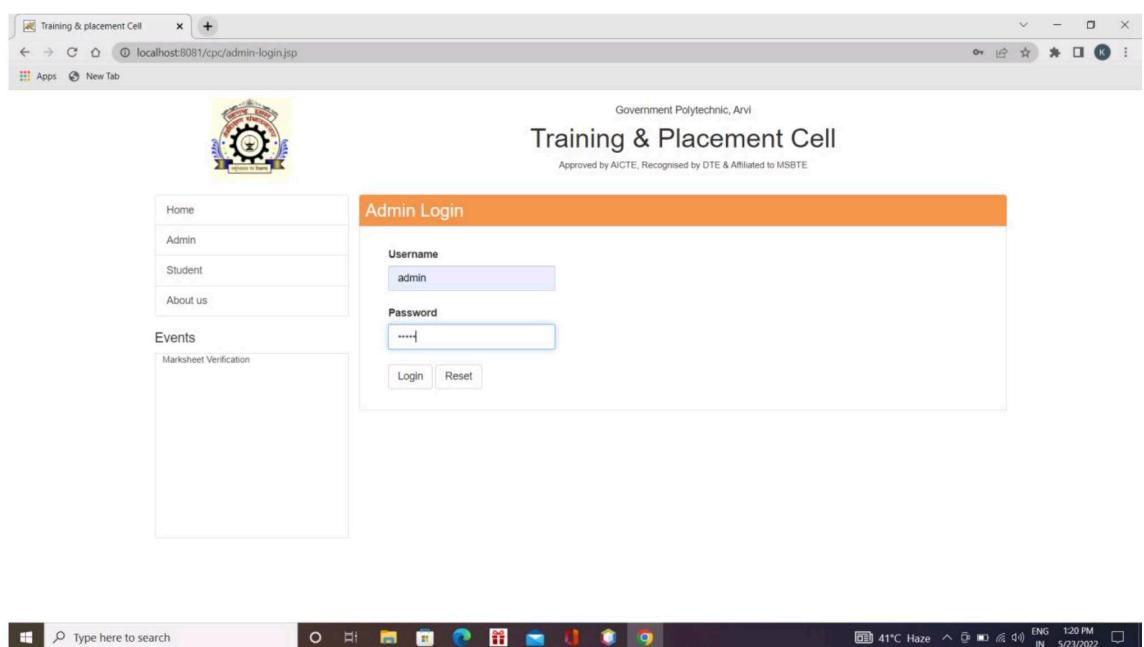


Fig. Admin Login Page

- In this page admin can create college event.

The screenshot shows a web browser window titled "Training & placement Cell" with the URL "localhost:8081/cpc/admin/create-event.jsp". The page header includes the college logo and the text "Government Polytechnic, Arvi" and "Training & Placement Cell". Below the header, it says "Approved by AICTE, Recognised by DTE & Affiliated to MSBTE". On the left, there's a sidebar with links: Home, Create event (selected), View Event, View Company, Student, Change Password, and logout. The main content area is titled "New Event" and has a radio button for "College Event" which is selected. There are input fields for "Event Name" (Marksheet Verification), "Department" (Computer Engineering), "Date" (05/23/2022), and "Time" (01:21 PM). A green "Submit" button is at the bottom. The status bar at the bottom of the screen shows system information like temperature (41°C), battery level (Haze), and date/time (5/23/2022).

Fig. Create Event of College Page

- In this page admin can create company event.

The screenshot shows the same "New Event" page as the previous one, but for a company event. The "Company Event" radio button is selected. The event name is "DSB Electricals & Engineering Worl", location is "Hyderabad", and contact person is "Test engineer". The date is "05/24/2022" and time is "20:00". Duration is "30000". The website is "www.dbselectricals.com". A note states "No current Backlog". Another note about DBS ELECTRICAL LIMITED is present. The academic year is "2021-2022". The status bar at the bottom shows system information like temperature (41°C), battery level (Haze), and date/time (5/23/2022).

Fig. Create Event of Company Page

- In this page admin can view and can delete college event.

Sr.No.	Event Info	Branch	Date	Time	Action
1	Marksheet Verification	Computer Engineering	2022-05-21	13:20:00	<button>Delete</button>

Fig. View Event Page

- In this page admin can view company event and delete that company event.

Sr.No.	Company name	Position	Seats	Package	Action
1	Electronic And Engineering Company India Pvt Ltd	Electronics-design Engineer	30	30000	<button>Delete</button> <button>View Details</button>
2	Dineshcharanda R Agrawal Infracon Private Limited	Junior Surveyor	200	190000	<button>Delete</button> <button>View Details</button>
3	TATA Group	Automotive Engineer	100	190000	<button>Delete</button> <button>View Details</button>
4	BASF	Process engineer	100	300000	<button>Delete</button> <button>View Details</button>
5	HCL Technologies	Web Developer	30	300000	<button>Delete</button> <button>View Details</button>
6	Reliance Industries	Test engineer	1000	300000	<button>Delete</button> <button>View Details</button>

Fig. View Company Page

- In this page admin can view company details and add company criteria for eligible students.

The screenshot displays three windows showing the 'Company Details' page of the 'Training & Placement Cell' system.

Top Window: Shows the main 'Company Details' page with the following data:

Company Name	DSB Electricals & Engineering Works	Company Address	Hyderabad
Position	Test engineer	Seats	20
Package	30000	Website	www.dbselectricals.com
Terms & Condition	No current Backlog	Profile	We pride ourselves in offering a premium commercial electrical installation and maintenance service. Our commitment to our customer starts at the pre-contract stage, with a proactive approach to design and co-ordination of your project. This philosophy is carried through the installation and post-contract stages of your works. Our support team based in Watford, Herts provide the best in customer service ensuring that your commercial and contractual requirements are dealt with in the most efficient manner. At DBS Electrical & Controls we consult ?? design ?? integrate ?? manufacture ?? install ?? commission, planned maintenance and reactive services. Whatever your requirement our talented engineers will work to deliver world class control systems.
Session	2021-2022	Description	DBS ELECTRICAL LIMITED is located in DUNDEE, United Kingdom and is part of the Building Equipment Contractors Industry.

Middle Window: Shows the 'Company Criteria' section with two tables:

SSC	78.0
HSC	60.0
Sem1	80.0
Sem2	70.0
Sem3	70.0
Sem4	70.0
Sem5	80.0
Current Back	No

SSC	78.0
HSC	60.0
Sem1	80.0
Sem2	70.0
Sem3	70.0
Sem4	70.0
Sem5	80.0
Current Back	<input checked="" type="radio"/> No <input type="radio"/> Yes

Bottom Window: Shows the 'Send Notification To Students With Respect To Current Criteria' button.

Fig. Company Details Page

- In this page admin can view the registered students.

The screenshot shows a web browser window titled "Training & placement Cell". The URL is "localhost:8081/cpc/admin/students.jsp". The page header includes the logo of "Government Polytechnic, Arvi" and the text "Training & Placement Cell" with a subtitle "Approved by AICTE, Recognised by DTE & Affiliated to MSBTE". On the left, there is a sidebar with links: Home, Create event, View Event, View Company, Student, Change Password, and logout. The main content area is titled "STUDENTS" and contains a table with the following data:

Sr.No.	Full name	Contact no	Email ID	Branch	Enroll. no	Address	Year
1	Jubair	9845655412	jubair@gmail.com	Computer Engineering	211215	Arvi	3rd Year-2st Semester
2	Akshay Bahadarpure	9096722806	akgbahadarpure1@gmail.com	Computer Engineering	211215	Gopal Nagar	3rd Year-2st Semester
3	Ram	1234567890	ram@gmail.com	Computer Engineering	1234567890	xyz	1st Year-1st Semester
4	Krish	7666142335	krish@gmail.com	Computer Engineering	1901320114	Arvi	3rd Year-2st Semester
5	Abhay	1234567890	abhay11@gmail.com	Electrical Engineering	1901320401	Kannamwar Nagar, Arvi	3rd Year-2st Semester

Fig. Student Page

- In this page student can register and login into project.

The screenshot shows a web browser window titled "Training & placement Cell". The URL is "localhost:8081/cpc/stud-login.jsp". The page header includes the logo of "Government Polytechnic, Arvi" and the text "Training & Placement Cell" with a subtitle "Approved by AICTE, Recognised by DTE & Affiliated to MSBTE". On the left, there is a sidebar with links: Home, Admin, Student, About us, and Events. The main content area has two tabs: "Student Login" and "Student Registration". The "Student Registration" tab is active. It contains fields for Name (Krish Gangadhar Mahorkar), Enrollment Number (1901320114), Mobile No. (7666142335), Email Id (mahorkarkrish@gmail.com), Address (House no. 86A Kannamwar Nagar), Branch (Computer Engineering), Year/Sem (3rd Year), Password, and Confirm Password. Below these fields are "Register" and "Reset" buttons. A modal dialog box is displayed in the center, stating "localhost:8081 says Student Registered Successfully!" with an "OK" button. The taskbar at the bottom shows various application icons and the system status bar indicates "41°C Haze" and the date "5/23/2022".

Fig. Student Login and Registration Page

- In this page student can view companies.

Sr.No.	Company name	Position	Seats	Package	Action
1	Reliance Industries	Test engineer	1000	300000	View Details
2	HCL Technologies	Web Developer	30	300000	View Details
3	BASF	Process engineer	100	300000	View Details
4	Dineshcharnda R Agrawal Infracon Private Limited	Junior Surveyor	200	190000	View Details
5	TATA Group	Automotive Engineer	100	190000	View Details
6	Electronic And Engineering Company India Pvt Ltd	Electronics-design Engineer	30	30000	View Details



Fig. View Companies Page

- In this page student can view company details.

Company Name	DSB Electricals & Engineering Works	Company Address	Hyderabad
Position	Test engineer	Seats	20
Package	30000	Website	www.dsbelectricals.com
Terms & Condition	No current Backlog	Profile	We pride ourselves in offering a premium commercial electrical installation and maintenance service. Our commitment to our customers starts at the pre-contract stage, with a proactive approach to design and co-ordination of your project. This philosophy is carried through the installation and post-contract stages of your works. Our support team based in Watford, Herts provide the best in customer service ensuring that your commercial and contractual requirements are dealt with in the most efficient manner. At DBS Electrical & Controls we consult & design & integrate & manufacture & install & commission, planned maintenance and reactive services. Whatever your requirement our talented engineers will work to deliver world class control systems.
Session	2021-2022	Description	DBS ELECTRICAL LIMITED is located in DUNDEE, United Kingdom and is part of the Building Equipment Contractors Industry.

Company Criteria	
SSC	78.0



Fig. Company Details Page

- In this page student can view the college events.

Sr.No.	Event Info	Branch	Date	Time
1	Marksheet Verification	Computer Engineering	2022-05-21	13:20:00

Fig. View Events Page

- In this page student view their profile.

Fig. My Profile Page

- In this page students can add their educational details.

The screenshot shows a web browser window titled "Training & placement Cell" with the URL "localhost:8081/cpc/student/my-profile.jsp?status=1&id=12". On the left, there's a sidebar with links: "View Events", "My profile" (selected), "Change Password", and "logout". The main content area has two tables. The first table, "My Profile", contains fields like Enrollment no., Email id, Mobile NO, Address, Branch, and Year/Sem, with values such as 1901320114, mahorkarkrish@gmail.com, 7666142335, House no. 86A Kannanwar Nagar, Arvi, Computer Engineering, and 3rd Year- 2st Semester. The second table, "My Educational Details", shows marks for SSC, HSC, Sem1, Sem2, Sem3, Sem4, Sem5, and Current Back, with values 90.0, 88.0, 88.0, 90.0, 88.0, 90.0, 90, and No respectively. Below this is a form with fields for SSC through Sem5, a "Current Back" dropdown (set to "No"), and radio buttons for "Yes" and "No". A blue "Update" button is at the bottom. The taskbar at the bottom shows various icons and the date/time: 41°C Haze, ENG IN 1:37 PM, 5/23/2022.

Fig. My Educational Details Page

- In this about us page users can see the details of college.

The screenshot shows a web browser window titled "Training & placement Cell" with the URL "localhost:8081/cpc/about.jsp". At the top is the college logo with the text "GOVT. POLYTECHNIC ARVI" and "ARVI". To its right, the text "Government Polytechnic, Arvi" and "Training & Placement Cell" is displayed, along with the note "Approved by AICTE, Recognised by DTE & Affiliated to MSBTE". On the left, a sidebar menu includes "Home", "Admin", "Student", "About us" (selected), and "Events". The main content area has a header "Welcome to Training & placement Cell". Below it, contact details are listed: Email Id: info@gparvi.ac.in, Contact no: 07157 222 680, and Address: Deurwada Road, SH241, Arvi, Wardha, Maharashtra 442201. A section titled "Departments" lists: Computer Engineering, Electrical Engineering, Electronics Telecommunication & Engineering, Civil Engineering, Chemical Engineering, and Mechanical Engineering. At the bottom of the content area, the date and time are shown: 2022-05-21, 13:20:00 and Marksheets Verification. The taskbar at the bottom shows various icons and the date/time: 31°C Partly sunny, ENG IN 7:11 PM, 5/28/2022.

Fig. About Us Page

8.

CONCLUSION

CONCLUSION

8. CONCLUSION

The introduction, problem definition of the project has been completed successfully to college by maintaining the student details related to placement in an efficient manner. Comparing to existing computerized system, it performs at a faster pace. Forms are very user friendly. This project is easy to understand in the sense that there are button for navigation to each page and it has benefited the developer in the sense the various concept of core java while working on the project.

The system has been developed with much care that it is free of errors and at the same time it is efficient and less time consuming. This project will successfully implement the database technology to transform the manual database management system into a automated format. All goals for first phase of the project are implemented successfully. They can easily register their names by login. By visiting on the website all students will able to know all the companies visiting to our college.

9.

FUTURE SCOPE

LATITUDE SCALE

9. FUTURE SCOPE

The project is easily extensible and can be improved by further incremental releases of the same. New module can be easily added as it requires only an addition of a new package on button click. Our project has a big scope to do. Student can access previous information of all students. Various companies can access their information.

Though our project is itself matured enough but still betterment is always an open door. In this case also we can add some features to this software to make this software more reliable. The project performs its intended functions with required precision, hence is very reliable. The project is very flexible and any modification can be made to the existing system to suit changes that can take place in future. The online processing of the project is very simple following the existing method without any changes and suitable validation are provided for easy and correct access to user.

The forms are design in such a way that any end user easily understand less effort is required to learn, operates. Security is the most important features of the proposed system.

10

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REFLECTIONS

10. REFERENCES

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