# Implementation of PPDV College Employee Management System using Java

Maddala Prashanthi<sup>1</sup>, P. Vamsi Krishna<sup>2</sup>, C. Yaswanth Chowdary<sup>3</sup>

<sup>1</sup>Assistant Professor, <sup>2,3</sup>Student,

<sup>1,2,3</sup>Department of Computer Science and Engineering, JNTUK University College, PPDCET, Vijayawada, Andhra Pradesh, India

of Trend in Scientific

Development

ISSN: 2456-6470

#### ABSTRACT

The PPDV College Employment System implementation is a distributed software designed to enable continuous execution of employee information in any company. Additionally, we provide information regarding the personal data of our staff. An application is obviously a set of programs developed using Java. It is easy to recognize and can be used even by people who are not familiar with Easy Personal devices. It is very user-friendly and encourages users to observe step-by-step operations by providing several options. It's extremely fast and can handle many of your company's tasks. This software package is powered by the effective coding equipment of JAVA on the front-end and Square Server on the back-end. The software can be very user friendly. The package contains its own modules such as employee details. This software model follows a multi-consumer approach. We can further expand or improve the bundle by taking user feedback into account.

Keywords: JDK, SQL, JFrame, IDE

#### I. Introduction:

PPDV College Employment System is an application that allows users to create and store employee records. This application helps the departments of the organization to manage the data of the employees related to the organization. This is a very simple application that is easy to understand and provides information about each step. It is a platform independent language. The applications you create can be used on both standalone computers and distributed networks. Additionally, applications developed in Java can be extended to Internet-based applications. Therefore, Java was chosen as the background for designing this application. Java's old name started with Oak, meaning Oak, and James Gosling at Sun Microsystem Inc. called it Java in 1995. Java is an object-oriented language that is platform independent, robust, secure, and highly capable. Performance and dynamic programmable languages. Different versions of Java are released every six months. JVM is a software implementation program

*How to cite this paper*: Maddala Prashanthi | P. Vamsi Krishna | C. Yaswanth Chowdary "Implementation

of PPDV College Employee Management System using Java" Published in International Journal of Trend in Scientific Research and Development



(ijtsrd), ISSN: 2456-6470, Volume-8 | Issue-2, April 2024, pp.804-807, URL: www.ijtsrd.com/papers/ijtsrd64768.pdf

Copyright © 2024 by author (s) and International Journal of Trend in

Scientific Research and Development Journal. This is an



Open Access article distributed under the terms of the Creative Commons Attribution License (CC BY 4.0) (http://creativecommons.org/licenses/by/4.0)

#### **II. RELTED WORK**

I am working on 10 research papers. Receive information. Employee management system includes operations like adding new employees to the database, updating existing employees, deleting employees, retrieving all employee data in table format, the last step is Delete all employees. This article provides detailed information about EMS apps and employee management systems such as EMS. Primarily, this Spring Boot web application processes employee data and performs various operations on each employee record in the database.

#### **III . EXISTING SYSTEM**

The problem definition for planning framework is to keep workers informed, create a simple worker management unit, isolate occupations and worker access management, and ensure accuracy through complete protection and access to locations. and utilize innovation to achieve ideal processing. The company's goal is to establish an employee data framework for employee representative status and

#### International Journal of Trend in Scientific Research and Development @ www.ijtsrd.com eISSN: 2456-6470

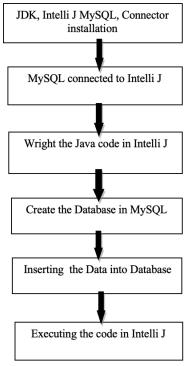
engagement, monthly compensation interactions and submissions. Eliminate or reduce the difficulties of existing systems as much as possible and avoid information input errors. Under the existing strategy, representative management employee data is kept upto-date as a record. It's a manual cycle.

#### **IV.PROJECT OBJECTIVE**

In this technologically advanced world, everything is computerized. The number of human workers is also increasing due to the abundance of employment opportunities. You need a system that can handle the data of such a large number of employees in your organization. Paper data takes up physical space, is difficult to handle, and can be easily damaged or lost if mishandled. This project is easy to use and simplifies the task of record keeping.

#### V. PROPOSED METHOD

This part extends the work done in the analysis part and provides documentation for the design of a representative management system. EMS is presented in the form of articles and classes that show how they work together. The clarification of the proposed framework and the design of the Entity-Relationship Diagram (ERD) have been completed. It also describes the structure of the user interface. This framework is responsible for managing data about representatives and therefore their personal profiles. This framework provides an in-depth review of tasks ar from creation to completion, from management leave lo requests to approval/rejection of leave requests, and all employee projects, with an in-depth review of tasks from creation to completion and review of dynamic and dormant representatives. associated with training to support.



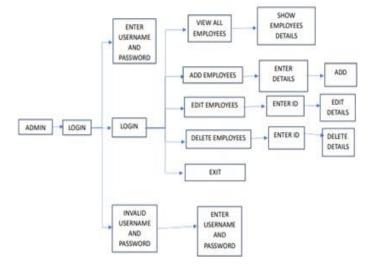


Fig:5.2 Block diagram

#### VI.RESULT&ANALYSIS

This project uses personal employee data to implement the university's own employee data into the application.

通) Login		-	×
Username			
Password			
	Submit		
	Submit		
	.1 Login Page		
			×
The username you entered does not exist.			
Username	admin11		
<b>D</b> 1			
Password			
	Submit		

Fig:6.2 Invalid Username

## International Journal of Trend in Scientific Research and Development @ www.ijtsrd.com eISSN: 2456-6470

jin		- 0 ×	b) Edit Employee	
T.	admin			
Username			Enter employee id	
Password	The password you entered is invalid.			
	OK			
	Submit		Back	Submit
Fig	:6.3 Invalid password		Fig:6.7	Enter Employee ID
oyment System	-		🚡 Edit Employee	- 0 >
	College Freedown out Crestone		N.	annunganomi
IFDV C	College Employment System		Name	CH BABY SAROJINĮ
			Gender	Female
	View all employees			
	Add an employee		Phone Number	9876153449
	Edit an employee			
	Delete an employee		Email	sarojini.ppdv@gmail.com
	Exit		Designation	Library
	Louis			
			Salary	12000.0
Fig	:6.4 After admin login		Back	Submit
	:6.4 After admin login			
Noyee Records		or Tre <mark>nd in S</mark>	Fig:6.8 E	Submit
loyee Records ID Name	284210 P LAVANYA	or rrend in S Researc	Fig:6 8 F	
kywe Records ID Name Gender Phone Number	284210 P LAVANYA Female 9846258753	or Trend in S Research evelop N: 2456	Fig:6.8 E	
oyee Records ID Năme Gender Phone Number Email Designation	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA	or rrend in S Researc	Fig:6.8 E	
kyee Records ID Name Gender Phone Number Email Designation	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com	or Trend in S Research evelop N: 2456	Fig:6.8 E	Cdit Employee Details
nyee Records ID Name Gender Phone Number Email Designation Salary D	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238	or Trend in S Research evelop N: 2456	E Crier Implayer	1526697855
yww.Records D Name Gender Phone Number Email Designation Salary D Name Gender	284210 P LAVANYA Fenale 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI Female	or Trend in S Research evelop N: 2456	E Crier Implayer	Cdit Employee Details
yee Recota D Name Jender Phone Number mail Designation salary D Name Gender Phone Number	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI	or Trend in S Research evelop N: 2456	E Crier Implayer	LS26697855 The ID you entered is invalid.
yee Records D Name Gender D Salary D Name D Name Gender D Name Gender D Salary D D Salary D D Salary D D Salary D D Salary S S S S S S S S S S S S S S S S S S S	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI Female 9876153449	or Trend in S Research evelop N: 2456	Fig:6.8 F	Cdit Employee Details
yee Records D Name Gender D Salary D Name D Name Gender D Name Gender D Salary D D Salary D D Salary D D Salary D D Salary S S S S S S S S S S S S S S S S S S S	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI Female 987615349 sarojini.ppdv@gmail.com Library	or Trend in S Research evelop N: 2456	Fig:6.8 F	Cdit Employee Details
ayaw Records  D Name Gender Phone Number Email Designation Salary  D Name Gender Phone Number Email Designation Salary  D Name Component Name Component Salary  D Name Comp	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI Female 9876153449 sarojini.ppdv@gmail.com Library 12000.0	or rrend in S Research evelop N: 2456	Fig:6.8 F	Cdit Employee Details
hyve Records ID Name Gender Phone Number Email Designation Salary ID Name Gender Phone Number Email Designation Salary ID Fig:6.4	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI Female 9876153449 sarojini.ppdv@gmail.com Library 12000.0	or rrend in S Research evelop N: 2456	Fig:6.8 F	Cdit Employee Details
kyee Records ID Name Gender Phone Number Email Dosignation Salary ID Name Gender Phone Number Email Dosignation Salary ID Sala	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI Female 9876153449 sarojini.ppdv@gmail.com Library 12000.0	ails	Fig:6.8 F	Cdit Employee Details
ID Name Gender Phone Number Email Designation Salary ID Name Gender Phone Number Email Designation Salary ID Sume Fig:6.4	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI Female 9876153449 sarojini.ppdv@gmail.com Library 12000.0	ails	Fig:6.8 F Back Back	Contraction of the second seco
Name Gender Phone Number Email Designation Salary ID Name Gender Phone Number Email Designation Salary ID Name Gender Phone Number Email Designation Salary ID Name Gender Phone Sumber Email Salary ID Name Salary Salary ID Name Salary ID Name Salary Sa	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI Female 9876153449 sarojini.ppdv@gmail.com Library 12000.0	ails	Fig:6.8 F There employee id Back Fig:6.9 I When you delete er appears. Let's delet	Cdit Employee Details
kyee Recers ID Name Gender Phone Number Email Designation Salary ID Name Gender Phone Number Email Designation Salary ID Name ID Nam ID Nam ID	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI Female 9876153449 sarojini.ppdv@gmail.com Library 12000.0	ails	Fig:6.8 F There employee id Back Fig:6.9 I When you delete er appears. Let's delet	Cdit Employee Details
aver Records	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI Female 9876153449 sarojmi.ppdv@gmail.com Library 12000.0 284383 TO View Employee Deta	ails	Fig:6.8 F Enter employee id Back Fig:6.9 I When you delete er appears. Let's delete Transferred Employ	Edit Employee Details         Image: Source of the Details         Image:
ID Name Gender Phone Number Email Designation Salary ID Name Gender Phone Number Efig: 6. 4 Verstores Iter ID ater Name ater Phone Number	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI Female 9876153449 sarojmi.ppdv@gmail.com Library 12000.0 284383 TO View Employee Deta	ails	Fig:6.8 F There employee id Back Back Fig:6.9 I When you delete er appears. Let's delete Transferred Employ 1. Delete the e	Edit Employee Details         Image: Source of the state of the s
ID Name Gender Phone Number Email Designation Salary ID Name Gender Phone Number Email Designation Salary ID Nume <b>Fig: 6.4</b> Iter ID nter Name anter gender anter Phone Number anter Phone Number	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI Female 9876153449 sarojmi.ppdv@gmail.com Library 12000.0 284383 TO View Employee Deta	ails	Fig:6.8 F There employee id Back Back Fig:6.9 I When you delete er appears. Let's delete Transferred Employ 1. Delete the e	Cdit Employee Details
ID Name Gender Phone Number Email Designation Gender ID Name Gender Phone Number Email ID Strate Gender ID Strate Gender ID Strate Gender III IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI Female 9876153449 sarojmi.ppdv@gmail.com Library 12000.0 284383 TO View Employee Deta	ails	Fig:6.8 F There employee id Back Back Fig:6.9 I When you delete er appears. Let's delet Transferred Employ 1. Delete the e unnecessary	Cdit Employee Details
ID Name Gender Phone Number Email Designation Salary ID Name Gender Phone Number Email Designation Salary ID Nume <b>Fig: 6.4</b> Iter ID nter Name anter gender anter Phone Number anter Phone Number	284210 P LAVANYA Female 9846258753 lavanya.ppdv@gmail.com OA 16000.0 284238 CH BABY SAROJINI Female 9876153449 sarojmi.ppdv@gmail.com Library 12000.0 284383 TO View Employee Deta	ails	Fig:6.8 F There employee id Back Back Fig:6.9 I When you delete er appears. Let's delet Transferred Employ 1. Delete the e unnecessary	Cdit Employee Details

International Journal of Trend in Scientific Research and Development @ www.ijtsrd.com eISSN: 2456-6470

## VII. ADVANTAGES

- Increased efficiency
- Improved communication
- Better data management
- Reduced costs
- Increased productivity
- Improved morale

### VIII. DISADVANTAGES

- Complexity
- Training
- Security

## **IX. CONCLUSION**

An efficient employment system is the basis of a company's success. Streamline various HR functions such as recruiting, onboarding, performance reviews, and talent management to optimize processes and save time. Through the use of technology, these systems enable seamless communication regardless of geographic barriers and improve collaboration between teams. It also provides valuable data insights to help with strategic decision-making, workforce planning, and identifying areas for improvement. systems free up HR professionals to focus on more arch and Kindersley, India strategic initiatives that promote employee health and lo [10] IN Web design best practices checklist 2009. retention. Ultimately, a robust employment system

ensures a harmonious work environment, empowers employees and strengthens a company's competitive advantage in the market.

## **FUTURE IMPLEMENTATION**

In future we are adding authentication like biometric and face recognition and eye raise those all implementation possible in future we need the requirement of number of days and research work in case the present project work approval with real time application so we are ready with working in future Implementation

## REFFERNCES

- [1] Orange HRM Open Source, Retrieved: November 4. 2013. From: http://www.orangehrm.com/opensourceproduct -features-pim.shtml
- A.S. Syed Navaz, A.S. Syed Fiaz, C. [2] Prabhadevi, V. Sangeetha, S. Gopalakrishnan, "Human Resource Management System," IOSR Journal of Computer Engineering (IOSR-JCE), Volume 8, Issue 4 (January-February 2013), pages 62-71.

- Julie Bulmash, "Human Resource Management [3] and Technology"
- [4] TECH HRM (Human Resource Management System), Retrieved: November 4, 2013. From: http://www.techjetsolutions.com/brochure/TEC HHRM.Pdf
- Renae Broderick, John W. Boudreau, "Human [5] resource management, information technology, and the competitive edge", Academy of Management Executive, 1992 Vol. 6 No. 2 http://www.webopedia.com
- Avison, D., and Fitzgerald, G. (2003). [6] Information systems development methods, techniques, and tools. 3. Edition. McGraw-Hill **Education Limited Bershire**
- [7] Zhiming, L, July 2002, Object-Oriented Software Development with UML Retrieved: July 16th 2010. From: http://www.iist.unu.edu/www/docs/techreports/ reports/report259.pdf 67

[8] Juan Manuel Munoz Palacio, Information systems development methodologies for Datadriven Decision Support Systems, 2010,

ona [9] Deitel, PJ & Deitel, HM, 2008, Internet & Additionally, by automating mundane tasks, these in Scien World Wide Web How to Program, Dorling

> Retrieved: October 17, 2009. from: http://terrymorris.net/bestpractices/