

A REPORT  
ON  
**Human Resource Management Software**

*Submitted by,*

**Ms. Sudheshna Shahabadi - 20211CSE0679**

*Under the guidance of,*

**Mr. Md Ziaur Rahman**  
**Assistant Professor**

*in partial fulfillment for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

IN

**COMPUTER SCIENCE AND ENGINEERING**

At



**PRESIDENCY UNIVERSITY**

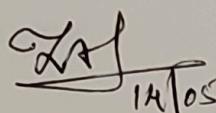
**BENGALURU**

**MAY 2025**

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**ENGINEERING**

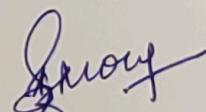
**CERTIFICATE**

This is to certify that the Internship report "**Human Resource Management Software**" being submitted by "**SUDHESHNA SHAHABADI**" bearing roll number "**20211CSE0679**" in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering is a bonafide work carried out under my supervision.



14/05/2025

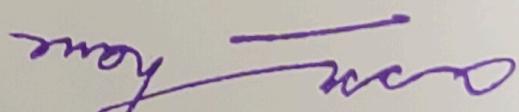
**Mr. Md Ziaur Rahman**  
Assistant Professor  
PSCS  
Presidency University



**Dr. Asif Mohammed**  
Associate Professor & HOD  
PSCS  
Presidency University



**Dr. MYDHIL NAIR**  
Associate Dean  
PSCS  
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**Dr. SAMEERUDDIN KHAN**  
Pro-Vice Chancellor -Engineering  
Dean –PSCS / PSIS  
Presidency University

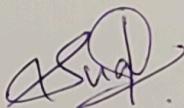
# **PRESIDENCY UNIVERSITY**

## **PRESIDENCY SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

### **DECLARATION**

I hereby declare that the work, which is being presented in the report entitled "**Human Resource Management Software**" in partial fulfillment for the award of Degree of **Bachelor of Technology in Computer Science and Engineering**, is a record of my own investigations carried under the guidance of **Mr. Md Ziaur Rahman, Assistant Professor, Presidency School of Computer Science and Engineering, Presidency University, Bengaluru.**

I have not submitted the matter presented in this report anywhere for the award of any other Degree.



**Sudheshna Shahabadi, 20211CSE0679**

## INTERNSHIP COMPLETION CERTIFICATE



### CERTIFICATE

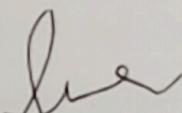
#### OF APPRECIATION

Proudly presented to :

*Sudheshna Shahabadi*

In recognition of her hard work and dedication, she has successfully completed her internship as a **Web developer intern** at UptoSkills from January 26, 2025, to April 26, 2025. During this period, she demonstrated exceptional leadership skills while fulfilling her responsibilities as a team leader, contributing significantly to the team's success.



  
Shivam Agrawal  
Mentor

This certificate can be verified at [hr@uptoskills.com](mailto:hr@uptoskills.com)

## **ABSTRACT**

The Human Resource Management System (HRMS) is a robust, web-based solution designed to automate and optimize HR operations within organizations. Developed using the Next.js framework with TypeScript, the system ensures high performance, scalability, and maintainability through a modular architecture. The frontend leverages Tailwind CSS for responsive styling, Radix UI for accessible components, and Heroicons for intuitive user interactions, delivering a seamless and modern user experience. Key functionalities of HRMS include employee record management, secure user authentication, automated email notifications (powered by EmailJS), attendance tracking, leave management, and role-based access control (RBAC). The system follows contemporary web development practices, including server-side rendering (SSR), environment-based configuration, and integration with MongoDB for dynamic data handling. Additionally, development tools such as ESLint and PostCSS ensure code quality and efficiency. While currently optimized for local development, HRMS is architected for easy deployment on cloud platforms like Vercel or Netlify, making it adaptable for real-world organizational needs. By digitizing HR workflows, the system enhances operational efficiency, reduces manual effort, and provides a scalable, secure, and user-friendly solution for modern HR management. This project demonstrates the potential of full-stack web technologies in transforming traditional HR processes into streamlined, automated workflows.