Mini-project Report on

“Sukanya Samriddhi Scheme”

Submitted by

Khushi Tiwari	PD-20	1032211126
Roshni Singh	PD-27	1032211185
Gauransh Jain	PD-29	1032211893

Under the Guidance of

Professor Prasad Purnaye & Professor Sagar Apune

At

MIT-WPU

॥ विश्वशान्तिर्ध्रुवं ध्रुवा ॥

Dr. Vishwanath Karad

MIT WORLD PEACE UNIVERSITY | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

School of Computer Engineering and Technology

ABSTRACT:

The Sukanya Samriddhi Scheme Management System leverages a full stack development approach to optimize the administration and monitoring of the government initiative aimed at empowering the girl child in India. This comprehensive system employs HTML, CSS, JavaScript, PHP, MySQL, and PHPMyAdmin to create a seamless and robust platform.

The user interface is crafted using HTML and CSS to ensure an intuitive and visually appealing experience for administrators, officials, and beneficiaries. JavaScript is incorporated to enhance the interactivity of the system, providing dynamic features and real-time updates.

On the server side, PHP is employed to handle database interactions and manage the business logic of the application. The MySQL database, facilitated by PHPMyAdmin, ensures data integrity, privacy, and security. This combination allows for efficient storage, retrieval, and manipulation of Sukanya Samriddhi Scheme account information.

The admin implements user authentication and access control mechanisms to guarantee secure access to sensitive data. This not only protects the privacy of beneficiaries but also ensures that only authorized personnel can perform administrative tasks.

Real-time reporting and analytics features are integrated, utilizing JavaScript for dynamic data visualization. This empowers administrators with valuable insights for decision-making and policy evaluation, contributing to the overall transparency and accountability of the scheme's operations.

The full stack development approach adopted in this project enhances the efficiency of the Sukanya Samriddhi Scheme Management System, providing a comprehensive solution that addresses the complexities of scheme administration. The utilization of modern web technologies ensures a user-friendly experience, while robust security measures safeguard the integrity of the data. This project stands as a testament to the power of full stack development in streamlining and optimizing government initiatives for the benefit of the girl child in India.

TABLE OF CONTENTS:

LIST OF ABBREVIATIONS:

1. GUI : Graphical User Interface
2. ERD: Entity Relationship Diagram
3. HTML: Hyper Text Markup Language
4. CSS: Cascading Style Sheets
5. PHP : Hypertext Preprocessor
6. MySQL: My Structured Query Language
7. SSS: Sukanya Samriddhi Scheme

1. INTRODUCTION:

The Sukanya Samriddhi Scheme (SSS) is a government initiative in India aimed at empowering the girl child by providing a financial savings scheme. As the scheme gains popularity and reaches a larger audience, the need for an efficient and reliable system to manage and monitor the scheme becomes crucial. To address this need, we have developed the **Sukanya Samriddhi Scheme Management System.**

This full stack development project is dedicated to creating a centralized platform for administrators and officials to efficiently manage and monitor the Sukanya Samriddhi Scheme. The web-based application, accessible from any personal or post office device with internet connectivity, ensures seamless access to features like account management and reporting.

The project covers the development of the system's architecture, graphical user interface, database design, and server-side database handling. By employing HTML, CSS, PHP programming languages, and a MySQL database management system, the system prioritizes data integrity, security, and privacy.

With its full stack development approach, is designed to streamline scheme administration, enhancing efficiency, transparency, and accountability. This comprehensive solution empowers administrators and officials, facilitating data-driven decision-making for effective management of the scheme's operations.

This comprehensive project is tailored to cater to both urban residents, including individuals residing in metro cities with regular internet access, and those who may lack proficiency in internet usage. Recognizing the diverse user base, the project ensures accessibility for individuals without internet knowledge, allowing them to avail the system's functionalities through designated offices.

2. PROBLEM DEFINITION:

The Sukanya Samriddhi Scheme is a savings scheme launched by the Government of India for the welfare of the girl child. It offers attractive interest rates to encourage parents and guardians to save for their daughter's future education and marriage expenses. However, the current system lacks an efficient and centralized management system. This project aims to address this gap by implementing a comprehensive system to store and manage the account details of beneficiaries and their guardians.

The envisioned database management system will incorporate unique account IDs, utilizing the Aadhar card number as the primary identifier for beneficiaries. Essential details such as name, date of birth (which determines the maturity date), and address (including state, city, taluka, village) will be stored. Additionally, guardians will have their unique IDs, containing information such as name, relationship with the account holder, address, phone number, email, and a secure password.

Guardians will be empowered to create beneficiary accounts, capturing pertinent details such as account number, the account holder's name (linked to the beneficiary's unique ID), date of opening, balance (updated after each deposit), and interest rate. The post office, where the account is initiated, will be characterized by location, Postal Index Number (PIN) code (serving as a primary key), and contact details.

This full-stack development project strives to enhance the Sukanya Samriddhi Scheme's efficiency by providing a robust database management system, ensuring seamless interactions for both beneficiaries and guardians, and facilitating accurate and secure record-keeping throughout the account lifecycl

3. OVERVIEW OF TECHNOLOGIES USED IN THE PROJECT

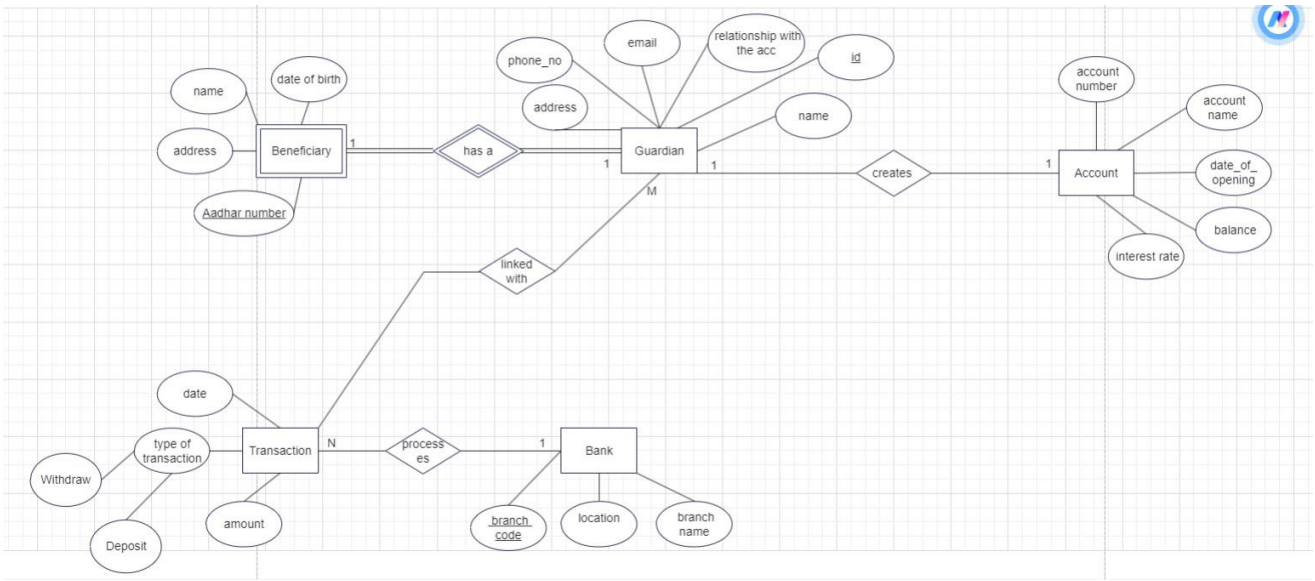
1. **Front-end Technologies:**
    - HTML (HyperText Markup Language): Used for structuring the web pages and content presentation.
    - CSS (Cascading Style Sheets): Employed for styling and layout to enhance the visual appeal and user experience.
    - JavaScript: Enhances interactivity and provides dynamic features, ensuring a seamless user interface.

2. **Back-end Technologies:**
    - PHP (Hypertext Preprocessor): Utilized for server-side scripting, handling database interactions, and managing business logic.
    - MySQL: Chosen as the relational database management system (RDBMS) for efficient storage, retrieval, and manipulation of data.

3. **Database Management Tool:**
    - PHPMyAdmin: Facilitates the administration of MySQL databases, ensuring effective data management, integrity, and security.

4. **Security Measures:**
    - User Authentication: Implemented to secure access to sensitive data, ensuring that only authorized personnel can perform administrative tasks.
    - Access Control Mechanisms: Employed to regulate and control user permissions, safeguarding the privacy of beneficiaries' information.

4. SYSTEM FLOW ARCHITECTURE WITH DATABASE DESIGN (ER DIAGRAM)



5. FUTURE SCOPE

- The future scope for the Sukanya Samriddhi Scheme (SSS) Project is extensive, with opportunities for development and enhancement across various dimensions. Firstly, the creation of a dedicated mobile application can significantly improve user accessibility, allowing individuals to manage their accounts conveniently through smartphones. This could be coupled with features like real-time notifications and financial planning tools to further engage guardians and beneficiaries.

- Additionally, exploring integration with digital payment platforms would bring added convenience and streamline financial transactions within the system. The implementation of blockchain technology could bolster security measures, ensuring data integrity and reducing the risk of fraudulent activities.

- Further developments may include an expansion of reporting and analytics features to offer more comprehensive insights. Predictive analytics could be introduced to assist guardians in effective financial planning for future educational and marriage expenses.

- Geographical expansion is another avenue for growth, aiming to extend the reach of the Sukanya Samriddhi Scheme to remote areas, ensuring equitable access to its benefits. Educational initiatives embedded within the platform can promote financial literacy, providing valuable information to both guardians and beneficiaries.

- Integration with other government initiatives related to education and women's welfare would create a more holistic ecosystem. This collaborative approach could link the Sukanya Samriddhi Scheme with scholarship programs, skill development initiatives, and health schemes.

- Implementing a feedback mechanism within the platform is crucial for continuous improvement. This would enable the collection of user input, addressing concerns, and adapting the system to evolving user needs. Lastly, staying abreast of the latest cybersecurity measures is essential to safeguard user data from emerging threats and ensure the long-term security and sustainability of the project.

6. CONCLUSION:

In conclusion, the Sukanya Samriddhi Scheme Management System, developed as a full-stack development project, stands as a robust and efficient solution for the streamlined administration and monitoring of the Sukanya Samriddhi Scheme. The system's centralized platform serves as a comprehensive tool, simplifying the complexities of managing account details and processing requests according to scheme requirements.

The user-friendly interface and scalable architecture of the system contribute to its adaptability, allowing it to efficiently accommodate a large number of beneficiaries, administrators, and officials. The server-side program handles all database operations, ensuring data accuracy, consistency, and integrity. This results in the creation and maintenance of reliable records that accurately reflect the scheme's activities.

In addition to its operational efficiency, the system empowers administrators and officials with real-time reporting and analytics capabilities. This feature facilitates data-driven decision-making, contributing to enhanced transparency, efficiency, and accountability within the Sukanya Samriddhi Scheme.

In essence, the Sukanya Samriddhi Scheme Management System, developed through a full-stack development approach, not only meets the immediate needs of scheme administration but also positions itself as a dependable, adaptable, and future-ready solution. It underscores a commitment to the empowerment of the girl child in India, aligning with the overarching goals of the government initiative.

7. REFERENCES

- https://www.nsiindia.gov.in/(S(yceg1k32ap4ljwyamxd45245))/InternalPage.aspx?Id_Pk=89
- https://www.w3schools.com/
- https://developer.mozilla.org/en-US/docs/Web/CSS
- https://www.tutorialspoint.com/html/index.htm
- https://www.tutorialspoint.com/css/index.htm
- https://www.geeksforgeeks.org/html-complete-guide/
- https://www.geeksforgeeks.org/css/
- https://www.geeksforgeeks.org/php-tutorial/