SERVICE THAT PROVIDE REGISTRATION OF BIRTH/DEATH INTEGRATION

A PROJECT REPORT

Submitted by,

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Under the guidance of,

Mr. AMARNATH J.L

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

At

PRESIDENCY UNIVERSITY

BENGALURU

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PRESIDENCY UNIVERSITY

SCHOOL OF COMPUTER SCIENCE ENGINEERING

CERTIFICATE

This is to certify that the Project report "SERVICE THAT PROVIDE REGISTRATION OF BIRTH/DEATH INTEGRATION" being submitted by Prakruthi. S, Deepthi. R and Nidhisha. N bearing roll numbers 20211CSE0628, 20211CSE0618 and 20211CSE0677 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.

20/1/2025

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DECLARATION

We hereby declare that the work, which is being presented in the project report entitled **IMPLEMENTATION OF BIRTH/DEATH REGISTRATION INTEGRATION WITH SERVICES** in partial fulfillment for the award of Degree of **Bachelor of Technology** in **Computer Science and Engineering**, is a record of our own investigations carried under the guidance of **Mr. Amarnath J.L, Assistant Professor, School of Computer Science Engineering & Information Science, Presidency University, Bengaluru.**

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

Name(s), Roll No(s) and Signature(s) of the Students

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ABSTRACT

The traditional method of obtaining a birth certificate is often cumbersome and impractical, especially as birth rates increase. The state's formal documentation of a child's birth, known as birth registration, is a crucial component of a comprehensive civil registration system maintained by the government. This system provides valuable demographic data for policymaking and resource allocation. However, the manual process associated with birth certificate issuance presents numerous challenges, including high costs, bureaucratic hurdles, and the risk of lost or damaged certificates.

To address these issues, a web-based birth certificate system is proposed. This system offers several advantages:

- **Enhanced Accessibility:** Easy and global access to birth certificate services.

Enhanced accessibility in birth and death software systems improves efficiency and inclusivity.

It allows for remote registration, accommodates diverse user needs, and streamlines processes, leading to better data quality and citizen satisfaction.

- **Accelerated Processing:** Streamlined procedures and reduced processing time.

Accelerated processing in birth and death software systems significantly reduces processing time.

It streamlines data entry, automates verification processes, and enables faster certificate generation.

This leads to improved efficiency, reduced waiting times, and enhanced citizen satisfaction.

- **Paperless Efficiency:** Elimination of paper-based certificates, leading to cost savings and environmental benefits.

It reduces administrative overhead, minimizes the risk of document loss, and promotes environmental sustainability.

By digitizing records, these systems increase overall efficiency, increase data accuracy, and streamline procedures.

- **Reduced Stress and Cost:** Convenient online access reduces the burden on citizens.

Reduced stress and cost in birth and death software systems benefit both citizens and government agencies.

This reduces stress and saves time.

For government agencies, automated processes and reduced paperwork lead to cost savings and increased efficiency.

- **Improved Birth Rate Monitoring:** Real-time online registration enables accurate and efficient tracking of birth rates.

Real-time data entry and analysis allow for effective tracking of birth trends, identifying potential issues, and informing public health policies.

This helps governments allocate resources efficiently and implement targeted interventions to address population health challenges.

- **Data-Driven Insights:** Automated data collection allows for the generation of insightful reports and visualizations.

By analyzing demographic trends, identifying patterns, and predicting future needs, governments can allocate resources effectively, plan for healthcare services, and implement targeted public health programs.

This ultimately contributes to improved population health and social well-being.

The suggested system's implementation is accomplished utilizing Front-end technology (React Native/Javascript), Back-end technology(Node.js), Database(MySQL), API's and Web Services (RESTful API), Authentication(JWT(JSON Web Tokens), Cloud services(AWS), Version Control (GitHub).

By leveraging technology, this web-based system aims to modernize birth certificate issuance, improve citizen services, and support informed decision-making.