RESEARCH TITLE PROPOSAL

Date	February , 2025	Group No.	2	Course & Section	BSIT 2 Section 2
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1. Research Title

Child Immunization Monitoring System for Nasipit Rural Health Unit

2. Related Literature to Support the Problem Statement

-According to UNICEF's 2021 report, the implementation of an effective Immunization Management Information System (IMIS) can significantly streamline the management of immunization records and processes, enhancing vaccination coverage and child health outcomes.

-According to the World Health Organization (WHO) guidelines published in 2022, the use of Immunization Information Systems (IISs) in primary care is crucial for increasing vaccination rates, as these systems help primary care physicians better manage and track immunization practices.

-As highlighted in the 2023 WHO report on vaccine delivery, the development of IMIS empowers governments to provide routine vaccines at public health centers, which is essential for improving childhood survival rates.

3. Target/Respondent/Scope/Locale

The target users of the system are parents and caregivers they are responsible for ensuring their children receive vaccinations. The comprehensive approach to child vaccination in municipality health services aims to increase vaccination coverage for children under 5 years old by engaging parents and guardians, health care providers, and local health officials. This initiative focuses on identifying barriers to access, implementing educational programs to raise awareness about the importance of vaccinations, and collaborating with community organizations. It encompasses various settings, including urban, suburban, and rural areas within the municipality, ensuring that all children receive timely vaccinations to improve public health outcomes and prevent disease outbreaks.

4. Objectives

The primary goal is to improve the management of immunization records and processes at local health centers, ensuring that children receive timely vaccinations.
Specific Objectives:
- To develop a centralized system for storing and accessing children's vaccination records..
- To Digitize records to minimize errors and train health care personnel in effective data management.
- To Build partnerships among health authorities, organizations, and families for better immunization efforts..

5. Benefits

- **Children::** Increased vaccination rates lead to lower incidence of preventable diseases.
- **Parents and Caregivers**: Reminder systems help parents keep track of upcoming vaccinations easily.
- **For Local Health Authorities**: Improved data collection facilitates better tracking of vaccination coverage and health trends.
- **For Future Generations:** Higher vaccination rates contribute to herd immunity, protecting vulnerable populations and future children.

6. Statement of the Problem

The proposed system aims to address the following issues:

- Community health personnel's reliance on outdated manual methods for managing children's immunization records hinders timely updates and impedes the creation of reliable vaccination schedules, creating obstacles in providing accurate services to the growing young population..

- With low vaccination rates, there is a higher risk of outbreaks of preventable diseases, such as measles and polio, which can lead to severe health complications and even fatalities

7. Resources/Reference

[1] UNICEF. (2021). Immunization Coverage and Health Systems Strengthening Report. Retrieved from UNICEF Publications.

[2] World Health Organization (WHO). (2022). Immunization Information Systems: Guidelines for Implementation. WHO Press. Retrieved from WHO Publications.

[3] World Health Organization (WHO). (2023). Vaccination Delivery and Coverage: A Global Perspective. WHO Press. Retrieved from WHO Publications.