Project Proposal

1. Project Title

ShasthoSeba Nikote "Emergency Vaccine Locator Platform for Bangladesh"

2. Project Members

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3. Motivation

Emergency cases like dog bites, snake bites, or injuries needing tetanus often demand immediate access to vaccines. Unfortunately, locating a hospital with the required vaccine is difficult in Bangladesh. This inspired us to create a platform that helps users locate emergency vaccines in nearby hospitals quickly and reliably.

4. Problem Definition

There is no centralized platform in Bangladesh that shows live vaccine availability in nearby hospitals. As a result, people lose critical time during emergencies. There is also a lack of transparency about whether doctors are present or vaccines are available.

5. Objective, Solution & Project Outputs

Objective:

- To build a system that allows users to search for nearby hospitals based on location.
- To show live availability of Rabies, Tetanus, and Anti-venom vaccines.

Solution:

- A user-friendly web platform with real-time hospital data updates.

Project Outputs:

- Frontend interface for users
- Backend system with admin panel
- Hospital dashboard to update data
- Real-time vaccine tracking features

6. Impact on Society

This system can help save lives and reduce panic by providing faster access to emergency healthcare. It empowers citizens, especially in rural areas, and promotes trust in digital health solutions.

7. Critical Challenges

- Real-time data collection from multiple hospitals
- Keeping data accurate and updated
- Encouraging adoption by hospitals
- Internet access issues in rural areas

8. Conflicting Requirement (Optional)

- Hospitals may be hesitant to disclose stock levels
- Need to protect hospital data while maintaining transparency

9. How P and K s are addressed through the project and mapping

This project involves critical thinking, team collaboration, ethical reasoning, and problem-solving skills.
It maps directly to the PLOs (Program Learning Outcomes) such as communication, design, impact analysis, and ethical practice.
Details are included in the CEP mapping table.

10. Project Management (Time-table) and Cost analysis

Time Table:

- Week 1–2: Requirement analysis
- Week 3–4: Design and development
- Week 5: Testing
- Week 6: Final deployment

Cost Analysis:

- Hosting & domain: BDT 2000
- Data collection: BDT 1000
- Other costs: BDT 500
  Total Estimated Cost: BDT 3500 (Self-funded)