

## Abstract:

The Newborn Care Management Project is a holistic initiative designed to elevate infant well-being through a multifaceted approach. Focused on comprehensive care, the project integrates routine check-ups, vaccination schedules, and parental guidance to provide a well-rounded foundation for newborns. Additionally, the initiative aims to raise awareness about essential newborn products crucial for optimal child development. Collaborative efforts with pediatricians ensure timely and personalized healthcare interventions, while the project strives to create a supportive ecosystem for parents. By facilitating informed decision-making and offering a wealth of resources, the project aims to foster a healthy start for newborns, promoting their overall growth and development.

## Pediatrician Module:

### Registration/Login:

- Allows users to create accounts or log in securely

### Personalized Healthcare Interventions:

- Enable pediatricians to access and update relevant information from routine check-ups.

### Education and Information Sharing:

- Provide pediatricians to share educational resources with parents.
- The project integrates routine check-ups, vaccination schedules, and parental guidance to provide a well-rounded foundation for newborns. Additionally, the initiative aims to raise awareness about essential newborn products crucial for optimal child development.

## Admin Module:

### User Management and Security:

- Administer user authentication and authorization
- Monitor and manage user profiles ,and pediatrician profiles

### Content and Resource Management:

- Manage educational content for parents and pediatricians.
- Oversee the product awareness

### Analytics and Campaign Oversight:

- Monitor user feedback

## **Parent Module:**

### User Authentication

- User Registration: Allow parents to create accounts by providing necessary information.
- User Login: Implement secure login functionality for authenticated access.
- Profile Creation: Enable parents to create and update profiles for themselves and their newborns.

### 2. Routine Check-ups and Vaccination Schedule:

- Check-up Management: Make appointment with pediatricians .
- Vaccination Information: Display detailed information about each vaccination, including its importance and potential side effects.

### 3. Parental Guidance :

- Knowledge Base: Offer, guides, and resources on newborn care and parenting.

### 4. Product Awareness and Decision Support:

- Product List: Curate a list of essential newborn products with detailed descriptions.
- Review System: Allow parents to review and recommend newborn products based on their experiences.

### 5. Dashboard :

- User Dashboard: Create a user-friendly dashboard displaying personalized information, upcoming events, and recommendations.

### 6. Health Records and Tracking:

- Health Record Management: Enable parents to track vital statistics from routine check-ups.

## 7. Communication with Pediatricians:

- Appointment Requests: Allow parents to request and schedule virtual or in-person appointments with pediatricians.