

NitiCare – SMART MOTHER AND CHILD CARE PLATFORM

(Module-wise Functional Specification)

(Under NitiKushal Initiative)

Module 0: Authentication & Role-Based Access Control

The platform follows a **role-based login system**, ensuring secure access and clear responsibility for each stakeholder.

User Roles

- **Admin (Government / NGO Coordinator)**
- **ASHA / AWC Worker**
- **Parent / Mother**

Each role has a separate login and dashboard, with access restricted strictly to assigned data.

Admin Panel (Government / NGO Login)

The Admin Panel is responsible for **data onboarding, allocation, and monitoring**.

Key Features

1. Government Data Sync

- Import pregnancy-related data received from government systems (CSV / Excel / API-based).
- Sync records such as:
 - Woman ID (Govt)
 - Name, age, address
 - Expected Delivery Date (EDD)
 - District, Block, Village
 - Available medical fields

2. Data Cleaning & Completion

- Identify missing or incomplete fields in government data.
- Enable Admin or ASHA workers to later complete missing fields.

3. Advanced Filtering

- Filter records by:
 - State
 - District

- Block
- Village
- Pregnancy stage

4. **CSV Export**

- Export filtered data as CSV for reporting or offline review.

5. **ASHA Worker Allocation**

- Manually or semi-automatically allocate beneficiaries:
 - First 50 women → ASHA Worker 1
 - Next 70 women → ASHA Worker 2
 - And so on
- Maintain traceability of which ASHA worker is responsible for which beneficiaries.

6. **Monitoring Dashboard**

- Overview of:
 - Total registered pregnancies
 - Active ASHA workers
 - Pending forms
 - Missed visits
 - High-risk cases

ASHA / AWC Worker Login

The ASHA dashboard is the **core operational interface** used for fieldwork and data entry.

Primary Features

1. **Assigned Beneficiary List**

- View list of all pregnant women allocated by the Admin.
- Status indicators for each woman:
 - Active
 - Delivered
 - High-risk
 - Follow-up required

2. **New Pregnancy Registration**

- Register a new pregnant woman manually (if not present in government data).

- Capture complete details such as:
 - Personal information
 - Medical history
 - Pregnancy stage
 - Contact details
 - 3. **Government Data Completion**
 - Edit and complete missing fields from synced government records.
 - Maintain audit logs of edits.
 - 4. **Individual Woman Dashboard**
 - Clicking on a woman opens a **phase-based dashboard**:
 - **Antenatal**
 - **Postnatal**
 - **Child (0–5 Years)**
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Module 1: Antenatal Care (Before Delivery)

This module tracks the **entire pregnancy journey before delivery**.

Monthly Card Structure

- Pregnancy is divided into **9 monthly cards**.
- Each card represents one month of pregnancy.

Forms Management

- Each month/card contains **multiple forms** (as per ICDS / health guidelines).
- Forms are similar in structure to those used in the **Avni platform**.
- Each form includes:
 - Form title
 - Required fields
 - Submission status

Card View Features

- Each monthly card displays:
 - List of associated form titles
 - Status of each form:
 - Completed

- Pending
 - Missed
- Visual progress indicators for easy tracking.

ASHA Visit Notes

- Separate section for **ASHA visit documentation**:
 - Visit date
 - Notes/comments
 - Photo uploads (optional)
 - Follow-up remarks
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Module 2: Postnatal Care

This module begins **immediately after delivery**.

Newborn Registration

- Register newborn baby with:
 - Date and time of birth
 - Gender
 - Birth weight
 - Place of delivery
 - Any complications

Mother Health Tracking

- Postnatal health forms for the mother.
- Track recovery, nutrition, and complications.

Baby Vaccination Forms

- Capture vaccination details:
 - Vaccine name
 - Due date
 - Completion status

Postnatal Dashboard

- Summary view showing:
 - Total forms
 - Completed forms

- Upcoming forms
 - Pending forms
 - Missed forms
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Module 3: Child Care (0–5 Years)

This module ensures **continuous monitoring of child health and development** until the age of 5 years.

Growth Tracking

- Record:
 - Age
 - Weight
 - Height
- Compare **expected vs actual growth** using standard growth charts.

Vaccination Tracking

- Complete vaccination schedule tracking.
- Status indicators:
 - Completed
 - Upcoming
 - Missed

Developmental Milestones

- Track milestones based on age:
 - Physical development
 - Cognitive development
 - Behavioral milestones
- Maintain milestone history.

Child Dashboard

- Unified dashboard showing:
 - Age-wise growth
 - Vaccination status
 - Milestone completion
 - Risk indicators (if any)

Module 4: Parent / Mother Login

This module provides **transparent access to parents**, improving awareness and compliance.

Key Features

1. Phase-based View

- Current phase clearly indicated:
 - Antenatal
 - Postnatal
 - Child Care

2. Health Information Access

- Parents can view the same data entered by ASHA workers:
 - Forms
 - Vaccination schedules
 - Growth data
 - Visit notes (read-only)

3. Awareness & Engagement

- Understand what is completed and what is upcoming.
- Encourages timely visits and better health practices.

Overall Outcome

- Single integrated lifecycle platform from **pregnancy to 5 years**.
 - Clear role separation and accountability.
 - Reduced missed checkups and vaccinations.
 - Better data-driven decision-making for government and NGOs.
 - Alignment with existing public health workflows like **Avni**, while remaining scalable and customizable.
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Prepared By : Anish Patil

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