

# Empowering Immunization and Healthcare delivery through Rapid Skill Enhancement & Capacity Building

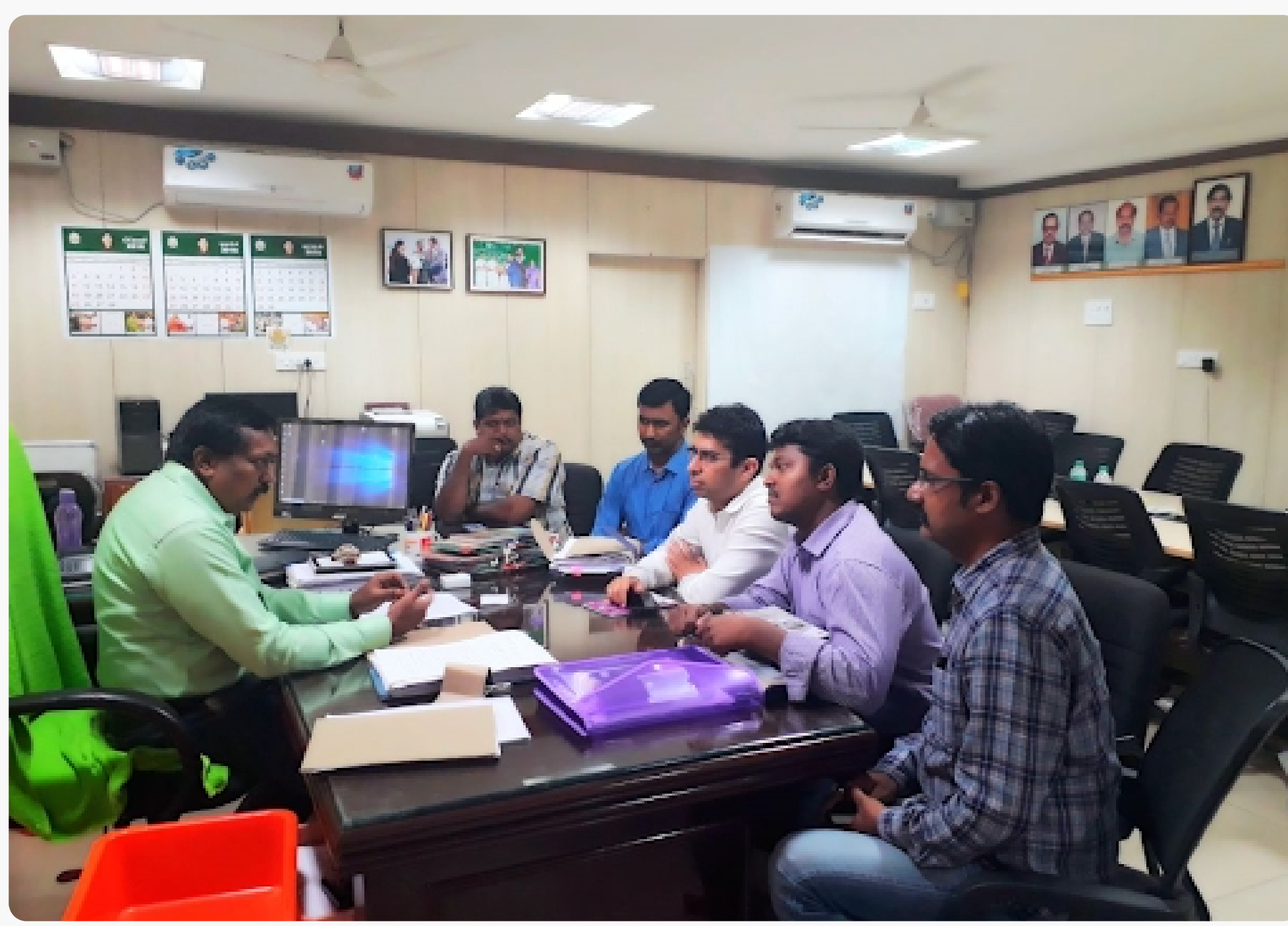


This project is a strategic initiative designed to improve immunization procedures and healthcare delivery. This project focuses on enhancing the proficiency of healthcare personnel in administering vaccines quickly and effectively. It includes a comprehensive training program and the implementation of innovative tools and technologies to streamline the immunization process.

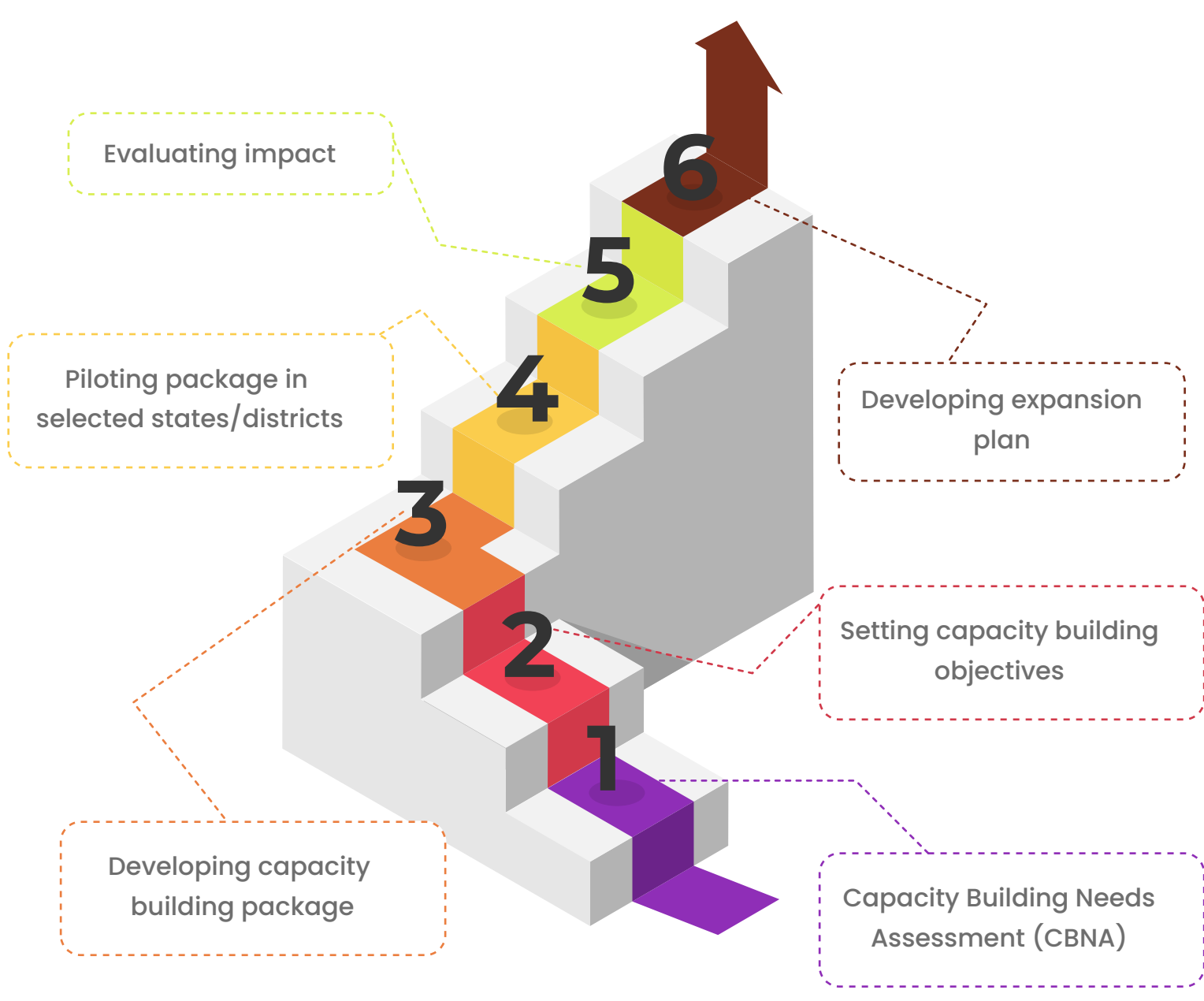
This platform is specifically for the capacity building of ground workers, nurses, doctors, corporate employees, bank employees, and more. It is adaptable to any industry with the appropriate course material. The platform supports both cloud and on-premise hosting and has been implemented for the Ministry of Health and Family Welfare, India.

## The Challenge

- Standard **cascade training occurs every 3-5 years**
- **Rapidly changing UPI scenario** – difficult to keep pace with the training needs
- **Difficulty** for face-to-face trainings
- **Large number of immunization workforce and varied ground conditions making it difficult in scheduling and logistic arrangement for face to face trainings**
- **Frequent refresher & reinforcement** difficult in existing cascade trainings
- **Difficult to add new/changes in guidelines** in current training mechanism
- **No structured monitoring** mechanism for trainings



## Implementation strategy & our solutions



The approach in developing digital platform for continuously upgrading knowledge and skills for health workers was

- Making use available ICT platform
- Using innovative methodology
- Addressing doubts and misconception
- Incorporating new information easily
- Self-learning by e-learning and interactive games
- Learning on the go
- Monitoring and mentoring
- Certification incentives

## Technology Stack

### Mobile Applications

iOS and Android

### Web Application

Python utilizing Django

### Open Source

Open edX

### Database

MongoDB & MySQL



## Features

### Role wise Dashboards

The platform provides role wise dashboards where in each role has its own dashboard and activities to be performed accordingly. The dashboards includes users/learner, Admin, Course Author, Supervisor etc.

### 20+ types of Assessment

The platform empowers you to have 20 type of quiz like MCQ, Text input, Numeric response, Checkboxes (multiple choice, multiple correct answers), Open response exercises Image drag and drop, File submission, Peer graded questions and many more

### Course Catalogue

A course catalogue can be created which can be further filtered based on the multiple parameters

### SCORM Compliant

SCORM support is available via a third party XBlock.

### 2 types of Certificates silver & Gold

The 2 types of certificates can be configured based on the parameters set by the author like if cleared in 1st attempt with marks above 70 then users get Gold certificate otherwise silver certificate

### Reports

The platform empowers authors and decision makers with the various reports for better evaluation of training/learning happening and comparison with other departments/cities.

The reports are based on the roles, location, gender, pre and post grades, certificates generated and many more.

This also includes a GIS based drill down report which let users browse reports nation/state/city/District/Block level and various filters are provided to get the report of stakeholders choice.

### Hierarchy wise Reports

It has role based reports mechanism which means a district level admin will see all users from the same district, state level admin will be able to access the reports of their state and national level admin will be able to see the reports of all the users.

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### Chatbot

It has chatbot which allows you to Build Conversational AI Experiences. It provides flexible conversational AI software for building text and voice-based assistants which is proved to be boon for Online learning.

### Course Progress

Available per course, including the grades in each of the graded subsections and in each of the graded activities.

### iOS and Android Native Application

The platform supports both native applications like iOS and Android, so this is built with mobile only approach for users/learners

### Email/SMS Notifications

Email and SMS notifications are also sent for the normal activities like course enrolled, certificate generated, reminders to complete course etc.