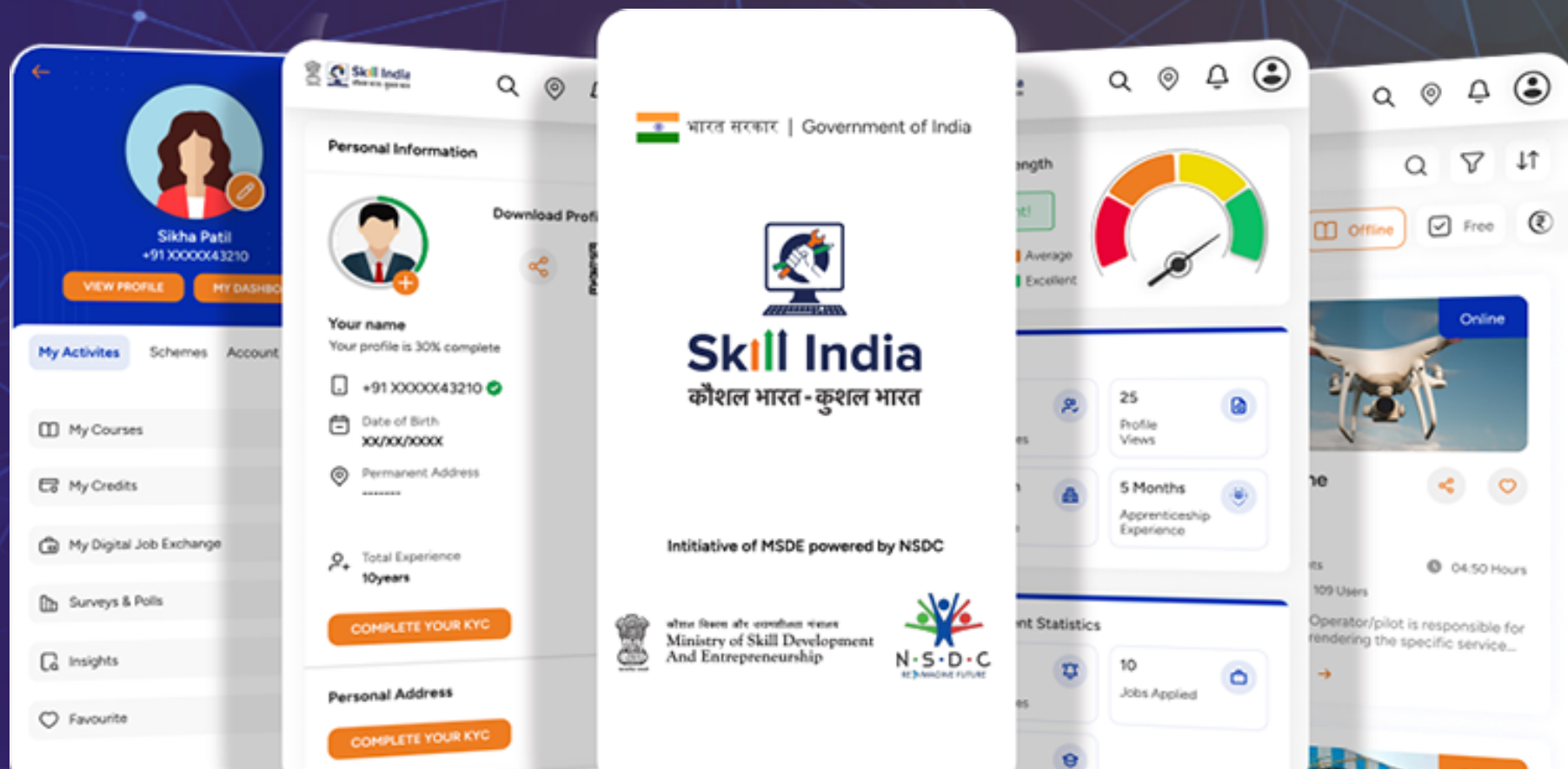


## How did the DRC Systems transform the concept of the skilling & upskilling by creating a robust platform?



### Overview of the Solution



Knowledge is limitless, so should be the medium of obtaining it. Modern education is not limited to the mainstream way of learning, you can access it with mere fingertips anywhere, anytime. But when it comes to creating a platform that is designed to be a medium for students and tutors, that is where e-learning solutions come into play.

Our client's basic requirement was to create one such platform that is responsive and robust at the same time with a combination of personalized features that give learners a holistic experience.

Having officially partnered with Open eDx, our client had quite high expectations of our work. And we lived up to expectations quite well. Here's how :



### Technology stack

#### FRONTEND

**React JS, HTML5, CSS3, JavaScript, Mako, jQuery, BackboneJS**

#### EXTERNAL SERVICES

**Celery, Elasticsearch, Redis, Caddy Server, uWSGI**

#### BACKEND

**Python, Django, ROR**

#### DATABASES

**MongoDB, MySQL**

#### MOBILE APP

**iOS and Android, React Native**



# The Solution

DRC Systems implemented a digital learning platform that helps users take skilling, upskilling, and reskilling courses from anywhere at anytime.

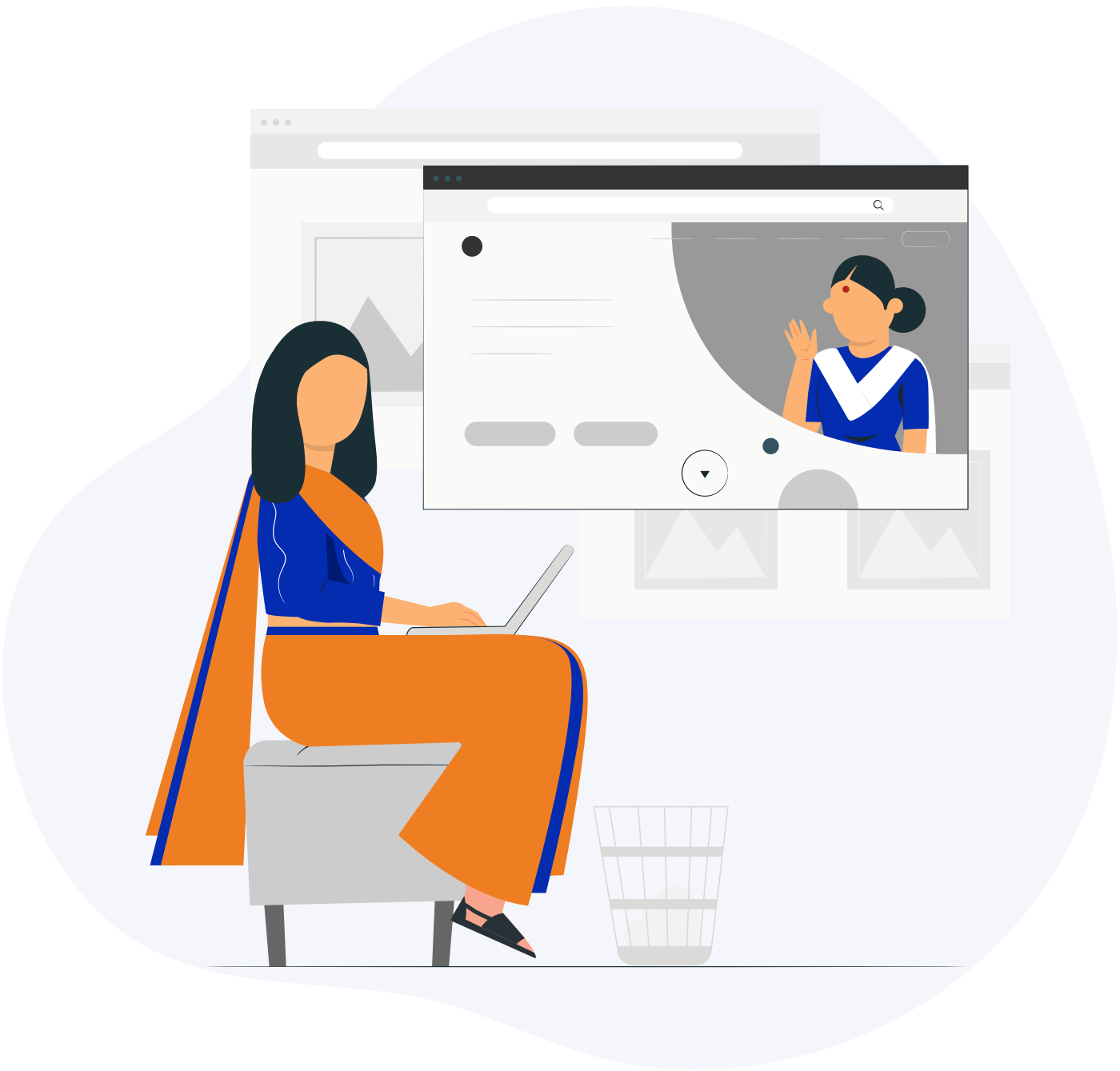
The solution has witnessed 5.5 Million registrations and successful enrollment of 1 million users.

This solution has a job board that has the opportunities listed, making it a marketplace for job seekers and job providers of special skills.

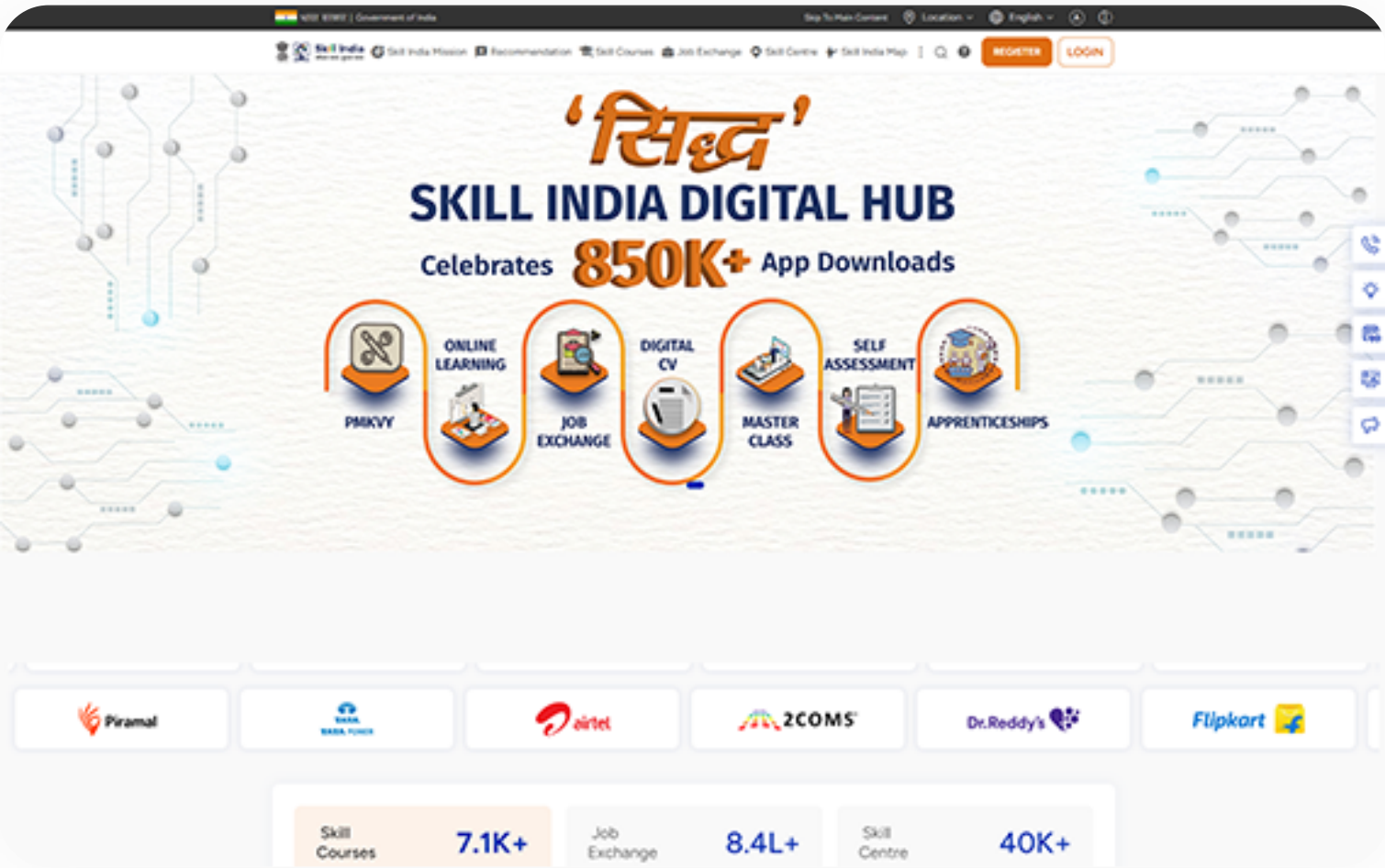
The solution consists of an AI recommendation engine that recommends courses or opportunities to grab based on the user's education, location, demand etc.

It also has a WhatsApp chatbot, which makes it easy for users to ask any questions, search through the platform, and get relevant content, courses, job opportunities, etc.

The analytical report helps decision-makers make wise decisions based on the available data and improves the quality of skills throughout the country.



## Features

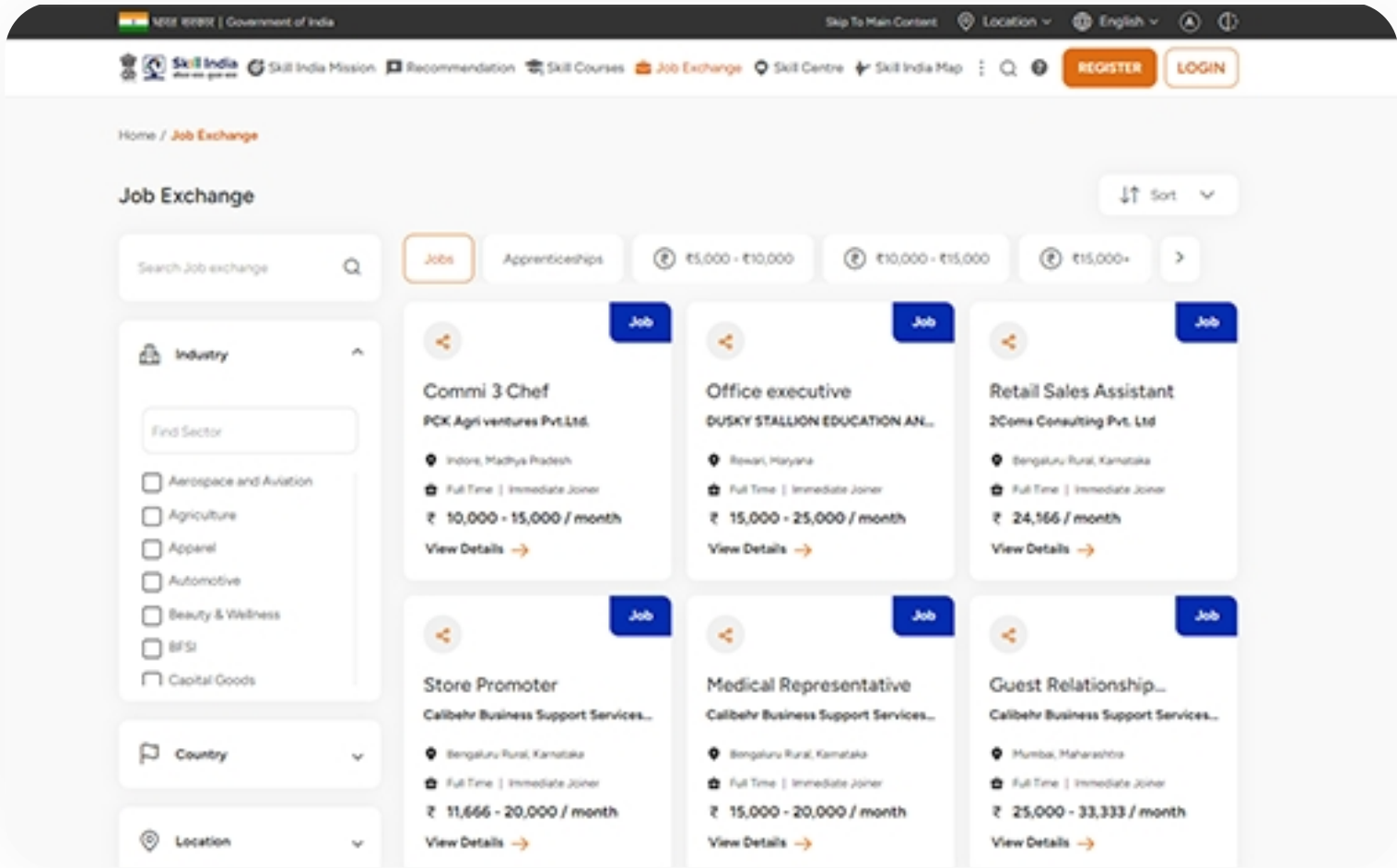


### Online Learning – Skilling, Upskilling & Reskilling

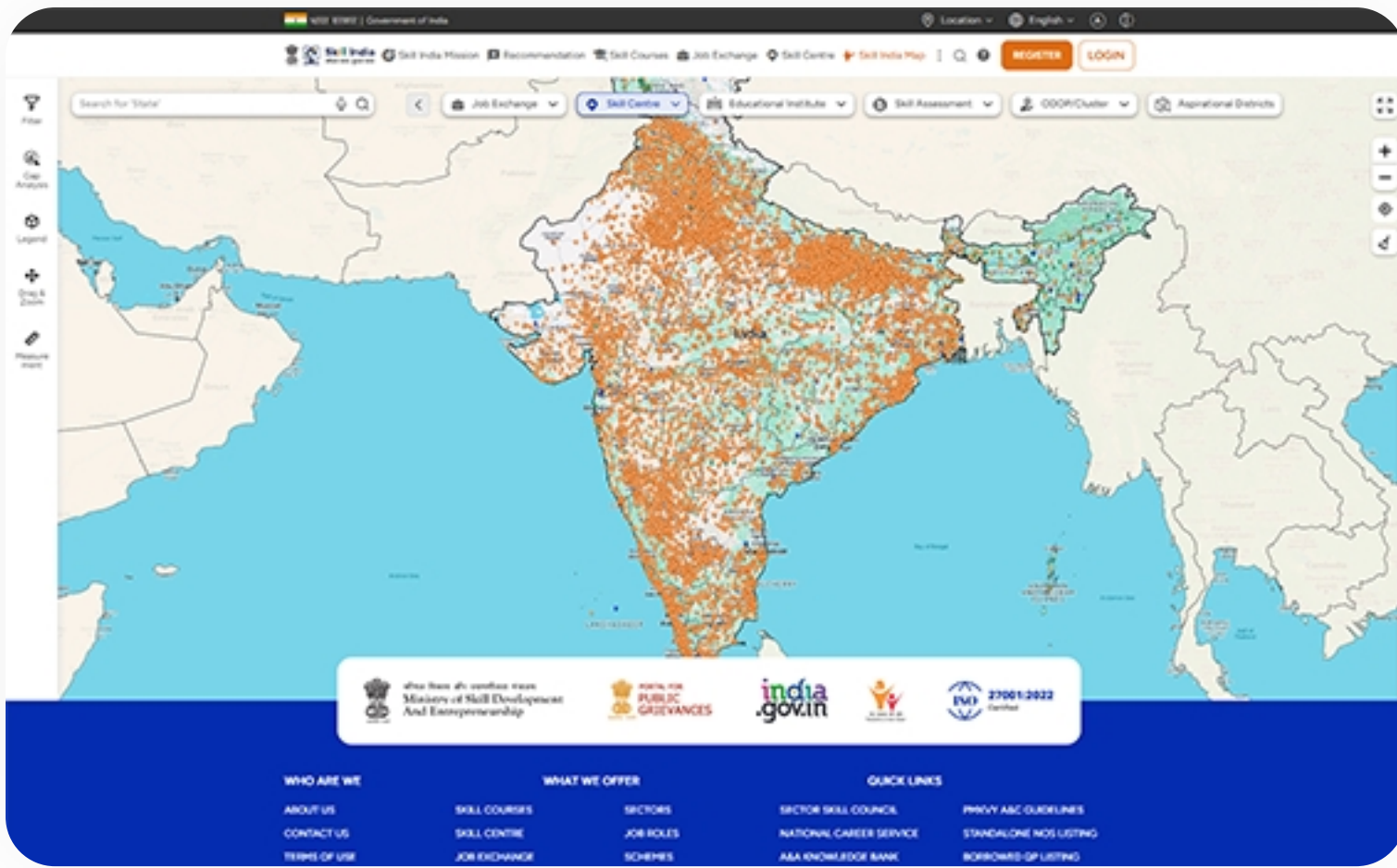
The platform enables users to earn new skills, upskills and reskill themselves helping for better employment and skilled resources in the country.

### Job board

The platform enables users to earn new skills, upskills and reskill themselves helping for better employment and skilled resources in the country.





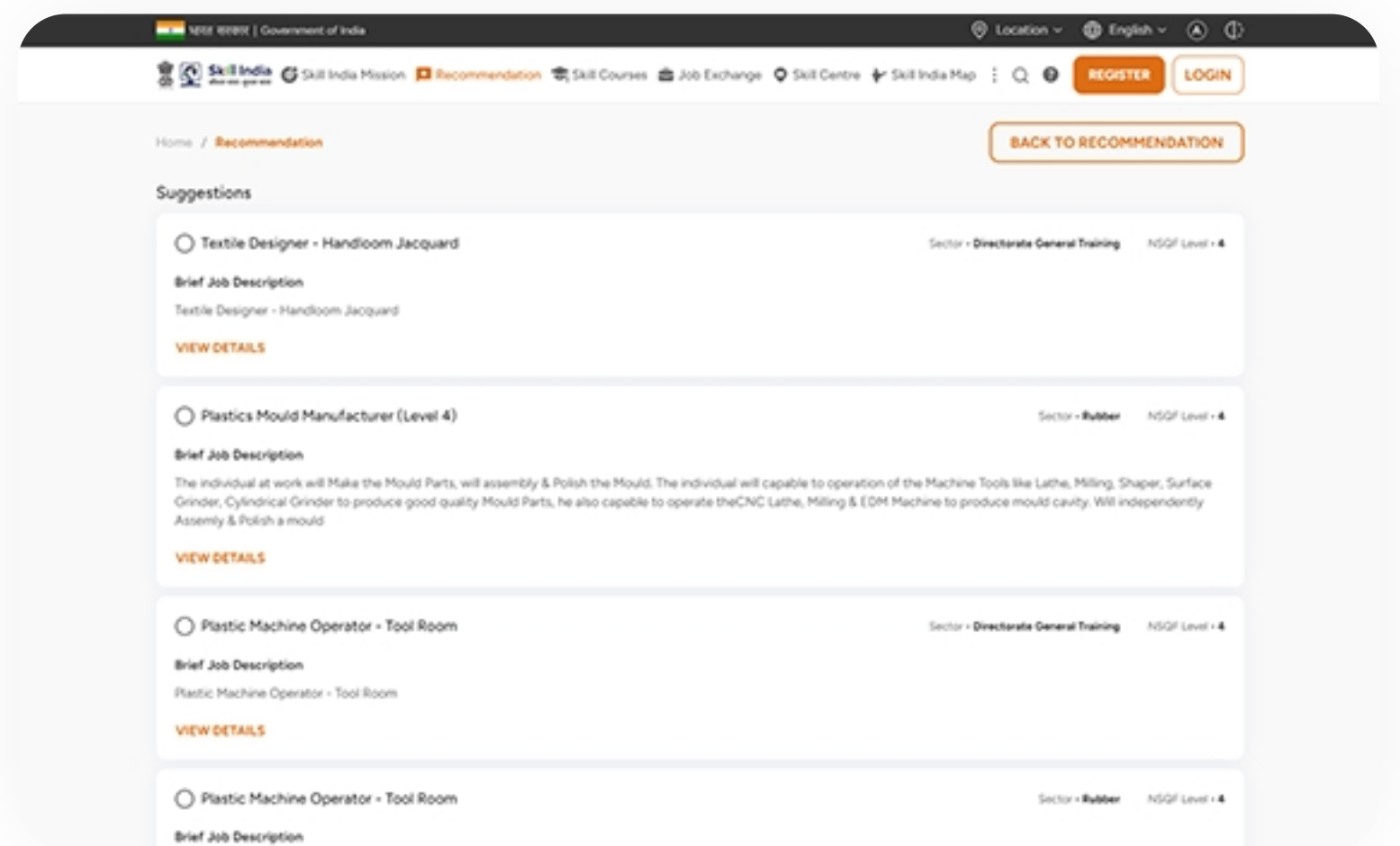


## GIS

GIS is enabled to see graphically various skills centers available, employers available, Institutes, Universities, Trainers etc.

## AI Based recommendation engine

This helps to recommend users/learners based on their demographics what skill they should do for better opportunities to increase their income or get job based on the questions asked and interest is known and recommendations are given.

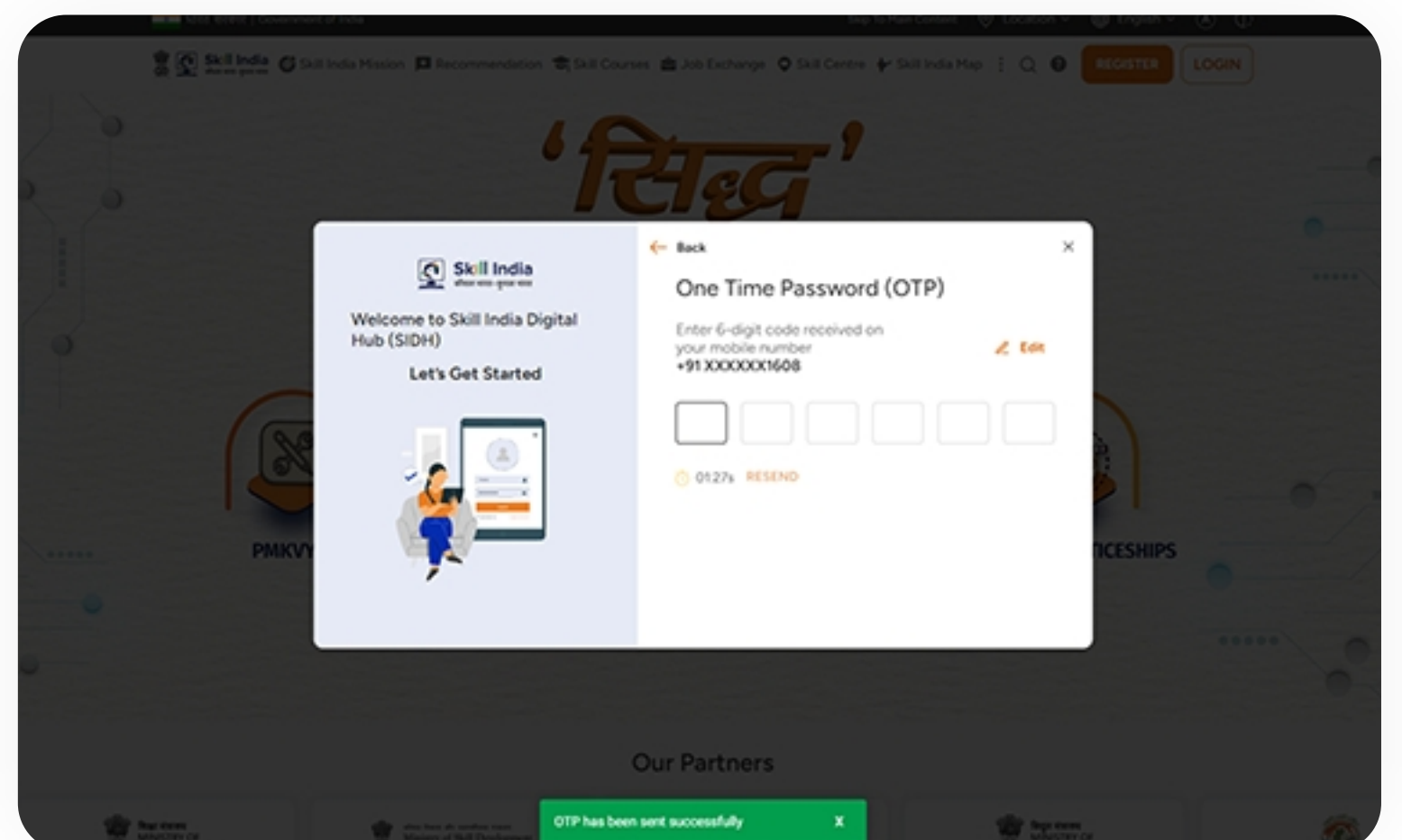


## Multilingual

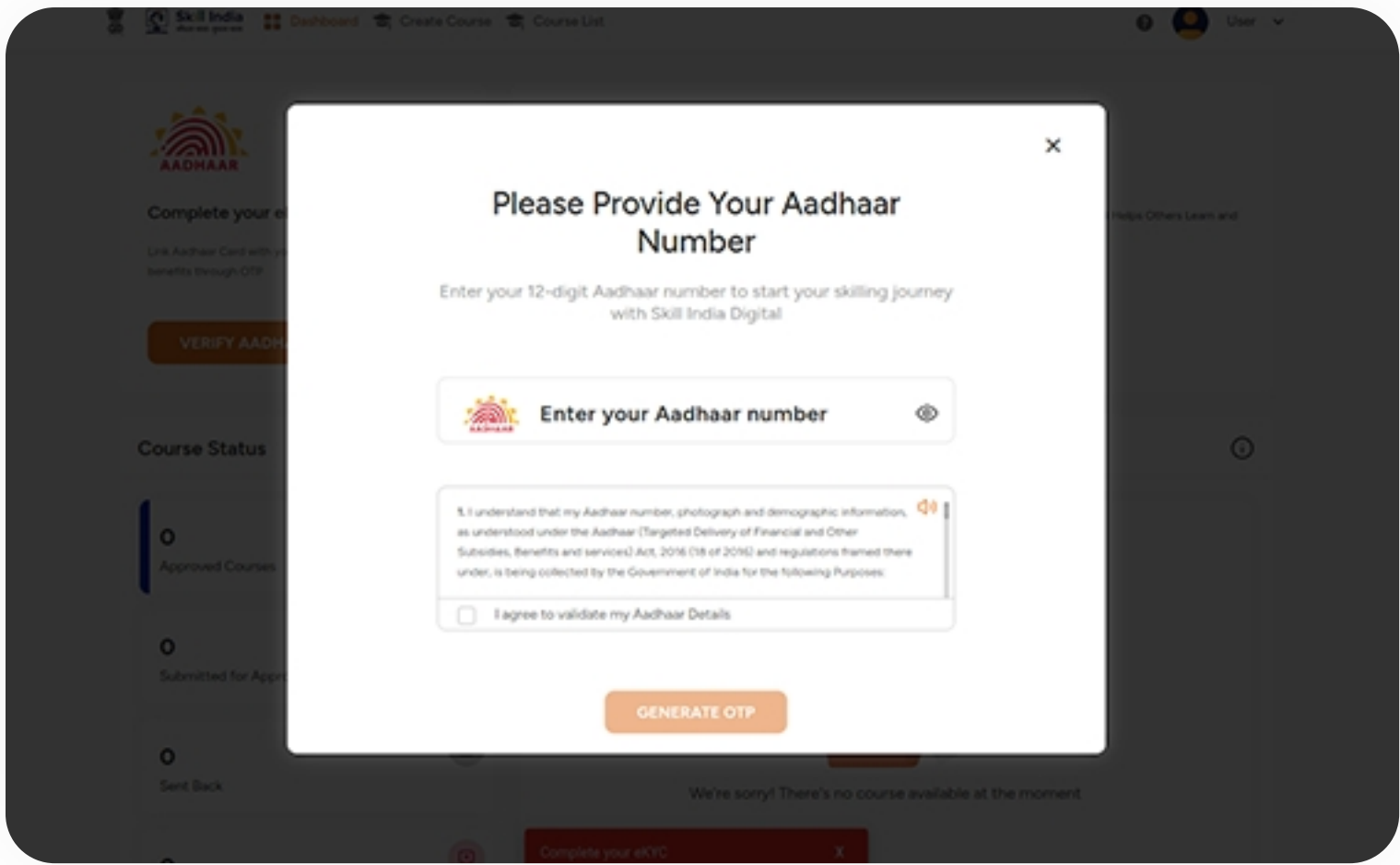
This has more than 20 languages and we can add more languages easily so users can learn in their own language.

## Mobile OTP for authentication

An otp is sent for the authentication of users on their mobile number and this mobile number has to be same as on national identity.







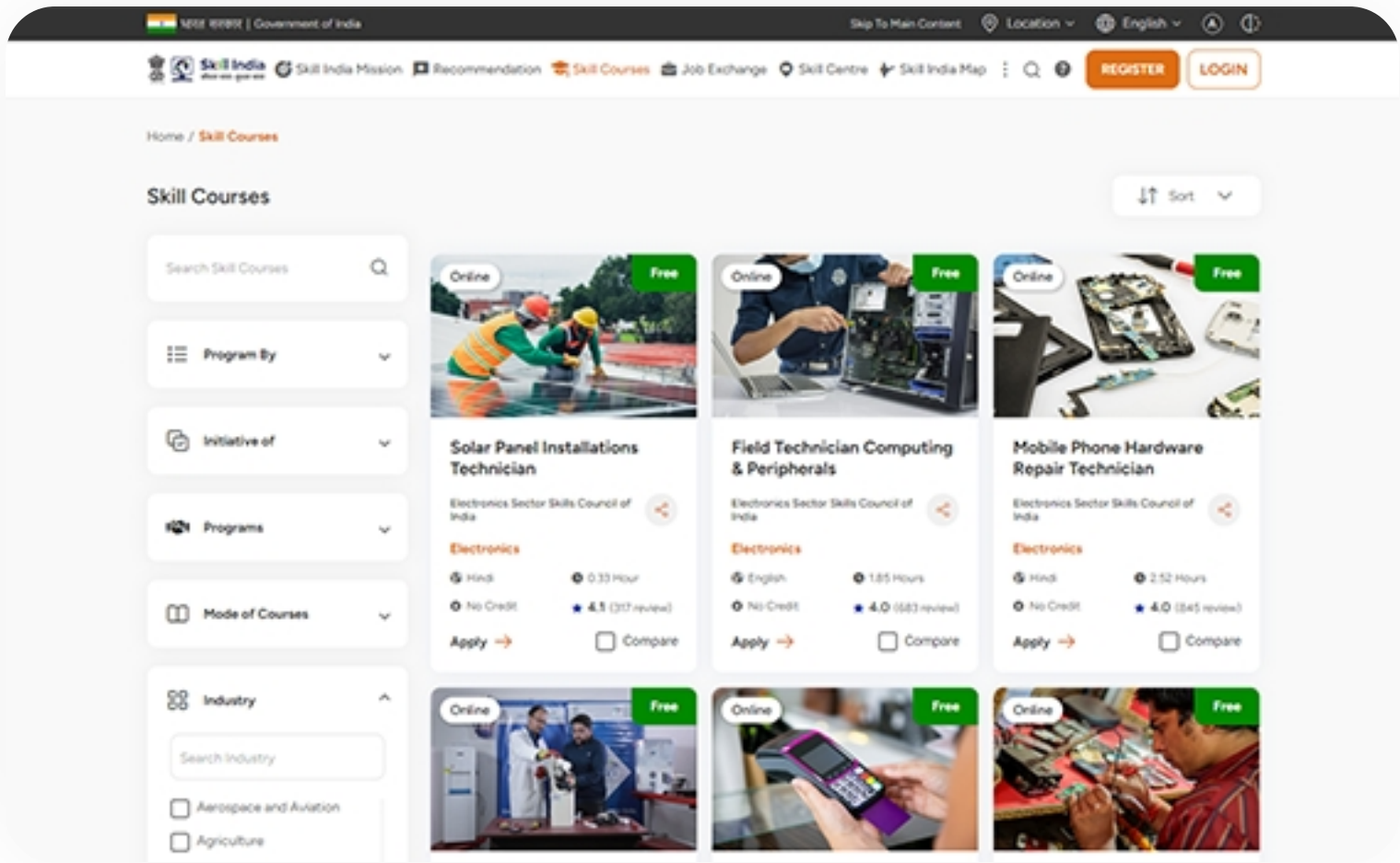
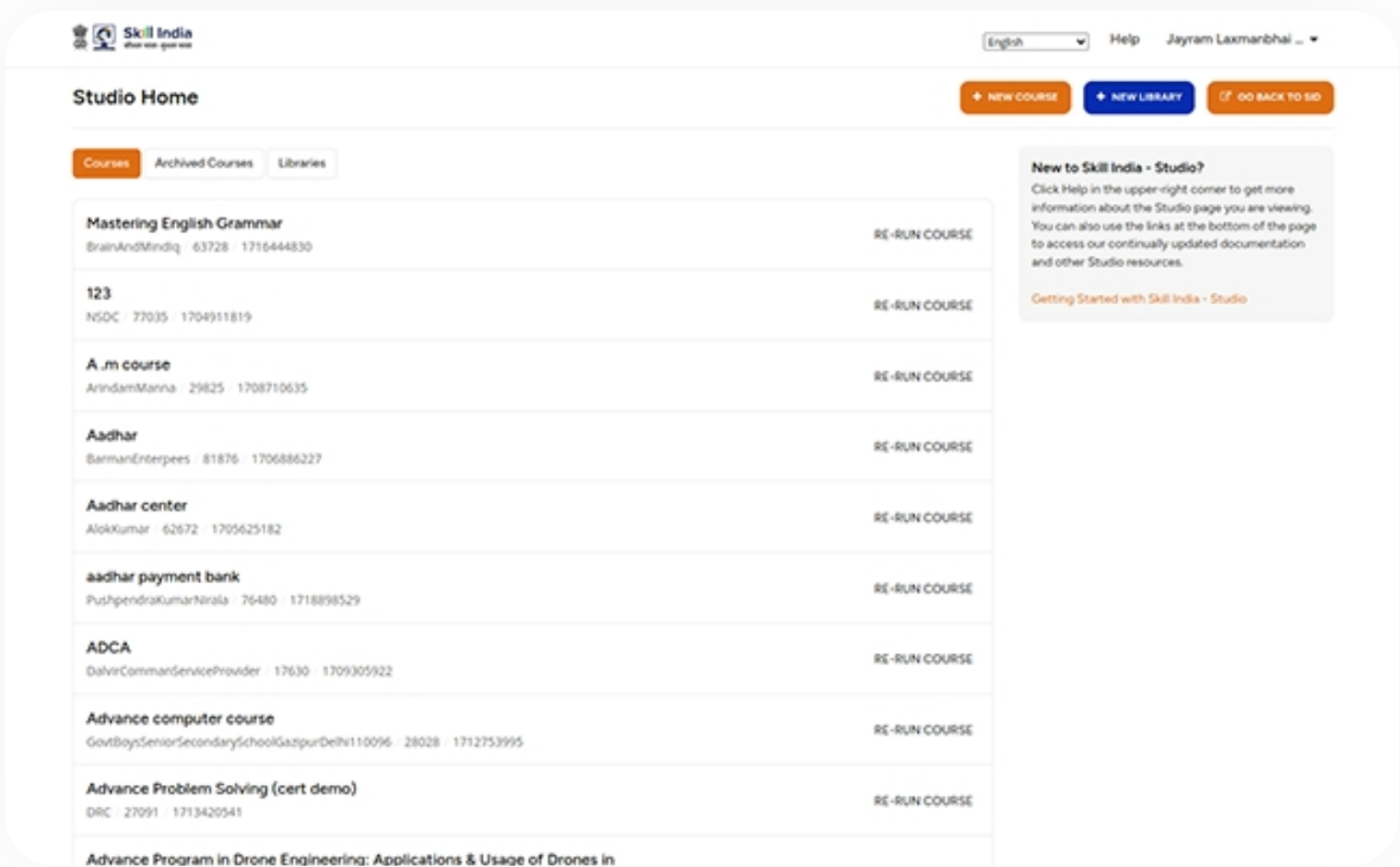
## Registration/KYC with the national identity

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.

## Course Authoring Studio

A course authoring studio which helps to configure and author the course as per your requirements. This means you don't need any other course authoring external tool

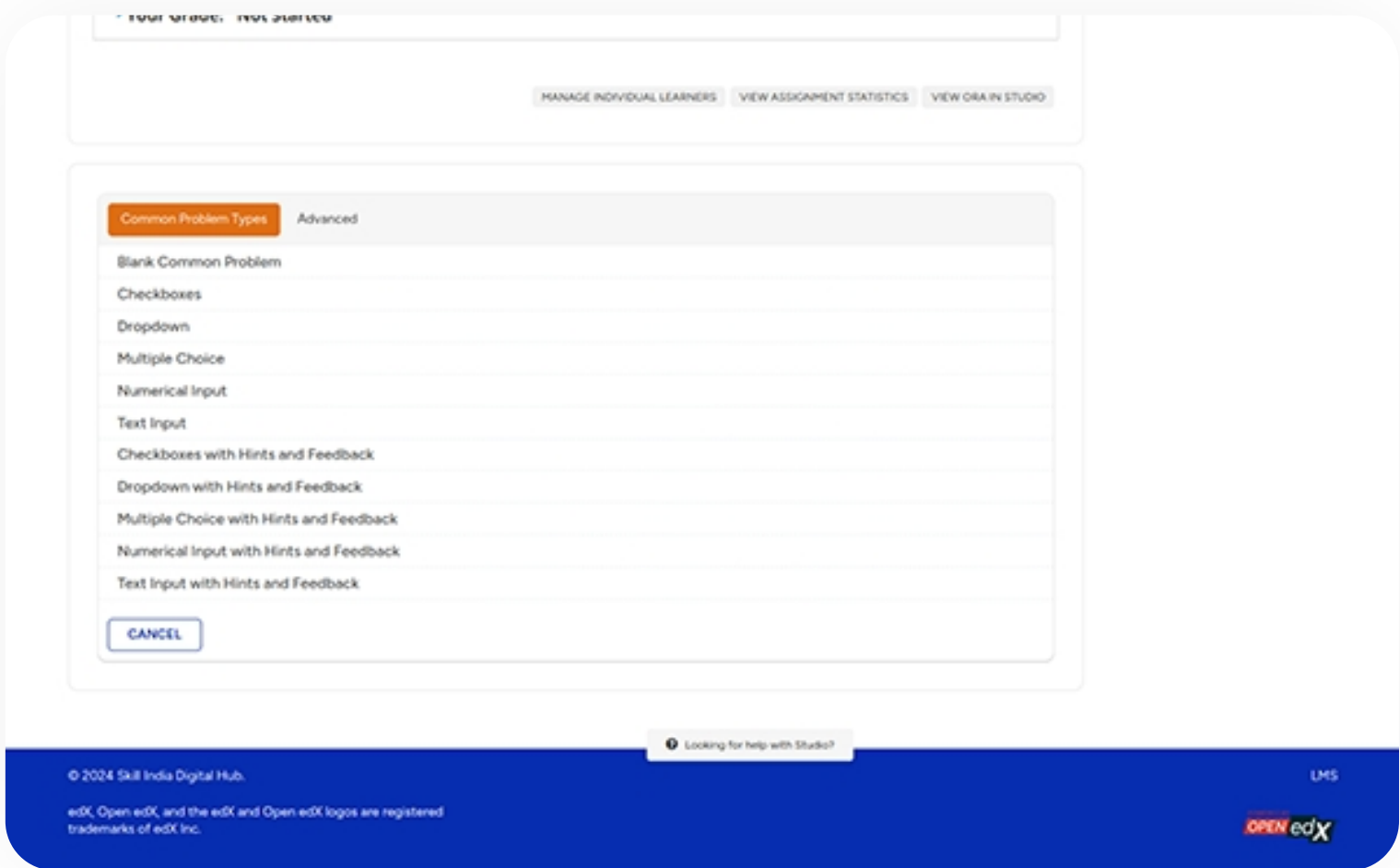


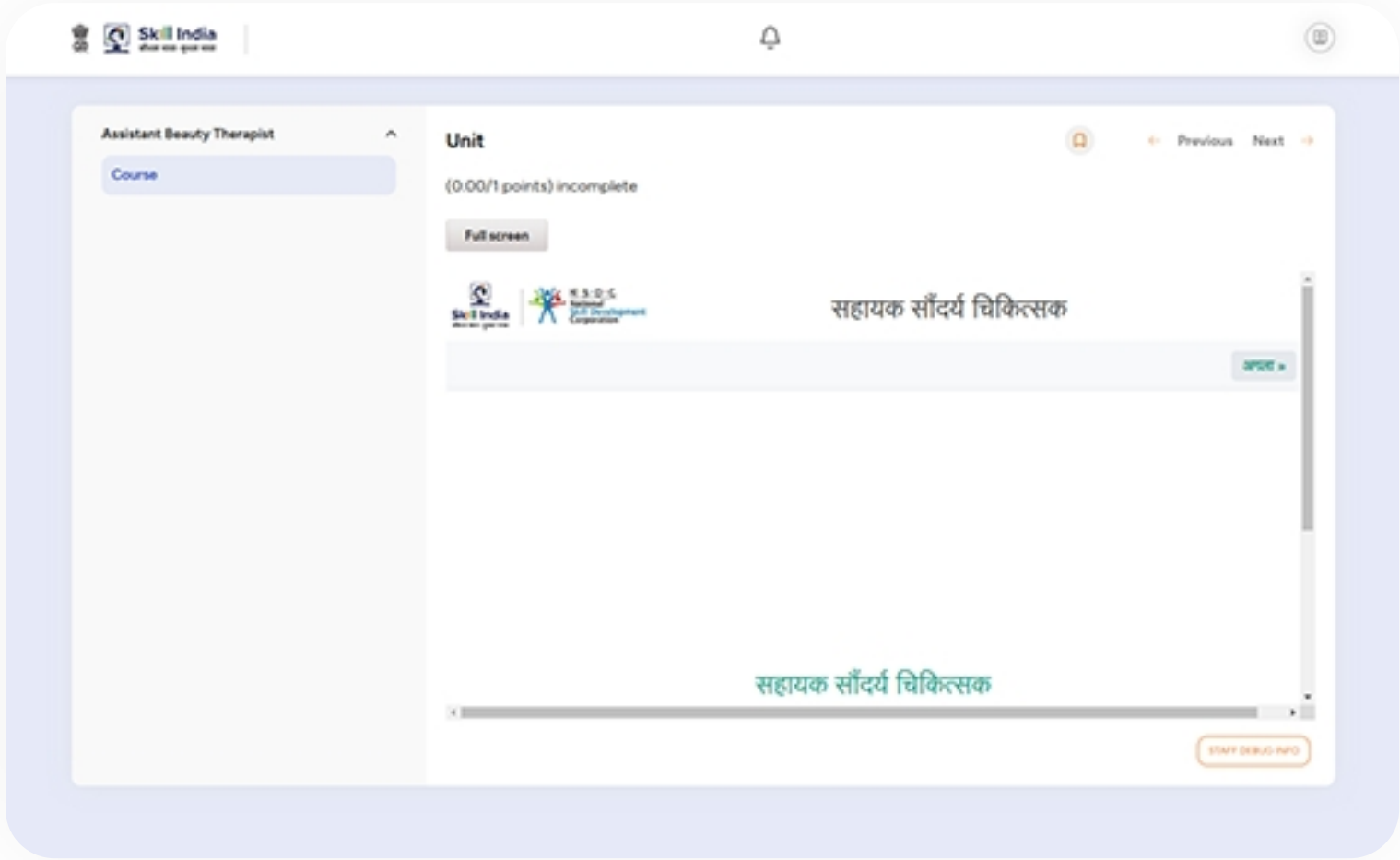
## Course Catalogue

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

## 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



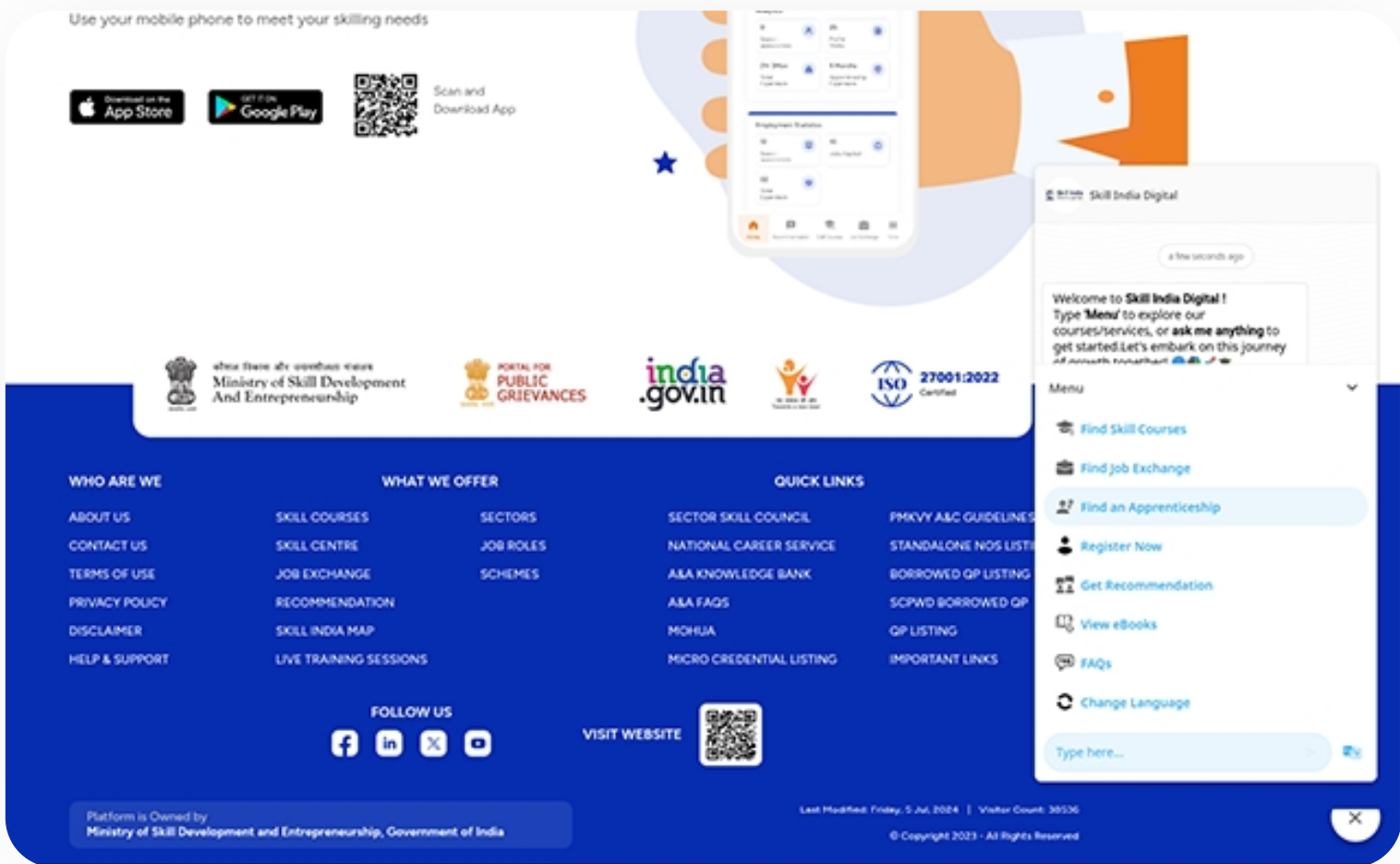


## SCORM Compliant

SCORM support is available via a third party XBlock.

## WhatsApp Chatbot

The platform has integration with WhatsApp chatbot to provide the answers for the questions been asked on WhatsApp which makes it very easy for users to browse or search courses on their WhatsApp



## Skill India Digital Hub

National Skill Development Corporation

4.1★ 1.68K reviews 500K+ Downloads Rated for 3+ |

Install Share Add to wishlist

You don't have any devices



About this app

Skill India Digital Hub – a state-of-the-art platform – is an integral part of India's Digital Public Infrastructure for the skilling ecosystem. Based on a mobile-first approach, the app provides the embodiment of innovation and accessibility, designed to meet the evolving needs of India's diverse populace. Furthermore, Skill India Digital Hub is also a unified app for all government initiatives in the skilling and entrepreneurship ecosystem – a multi-hub for citizens in pursuit of career advancement and lifelong learning.

App support

More by National Skill Development Corporation

- PMKVY-Aadhaar Enabled Assessor National Skill Development Corporation 4.1★
- NSDC Partner App National Skill Development Corporation 4.1★
- NSDC Academy National Skill Development Corporation 4.1★

## iOS and Android Native Application

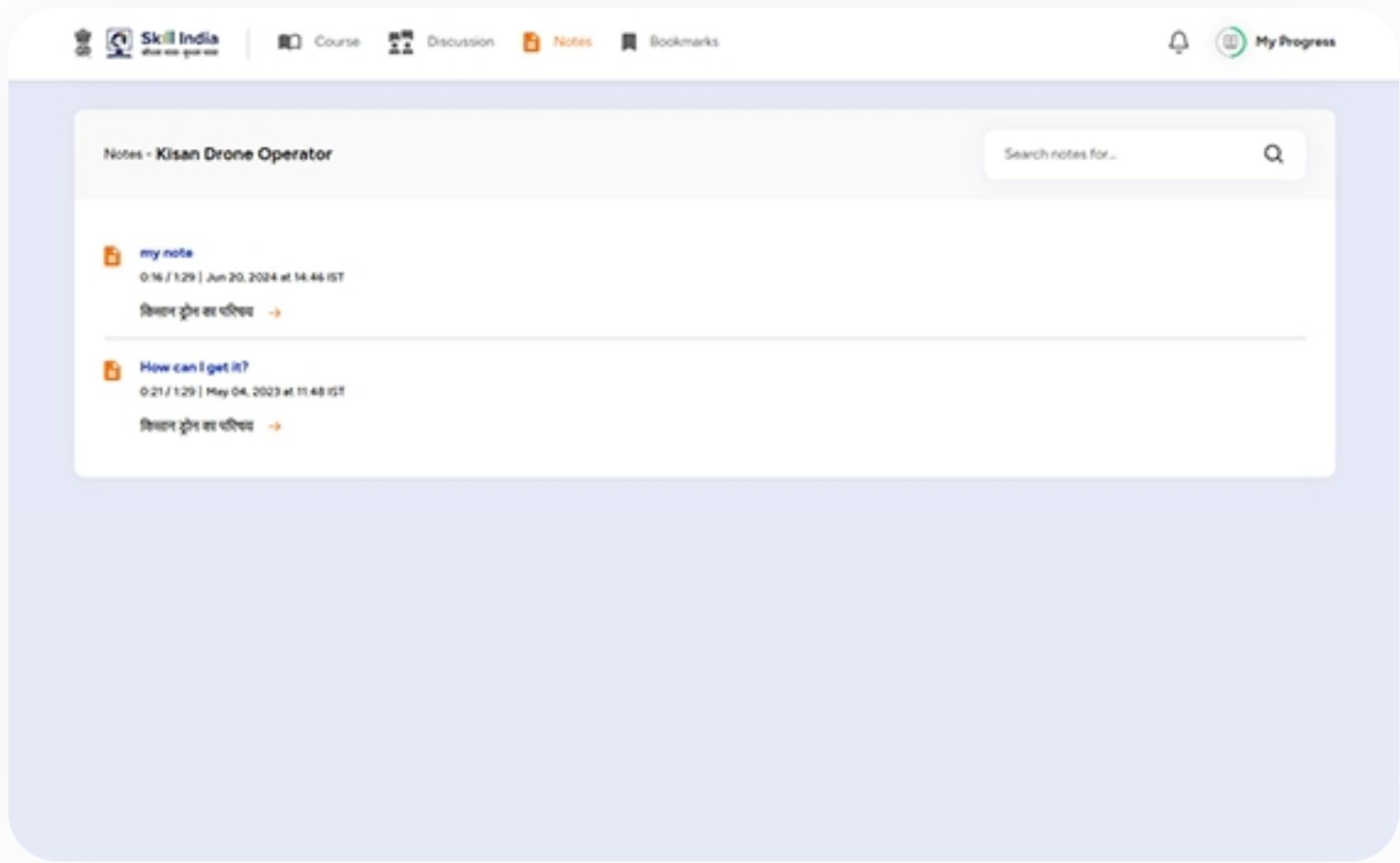
The platform supports both native applications like iOS and Android, so this is built with mobile only approach for users/learners

## PowerBi based Reports

Various reports and dashboards are shown publicly using Power Bi as a data analytics tool which helps decision makers to make right decision.





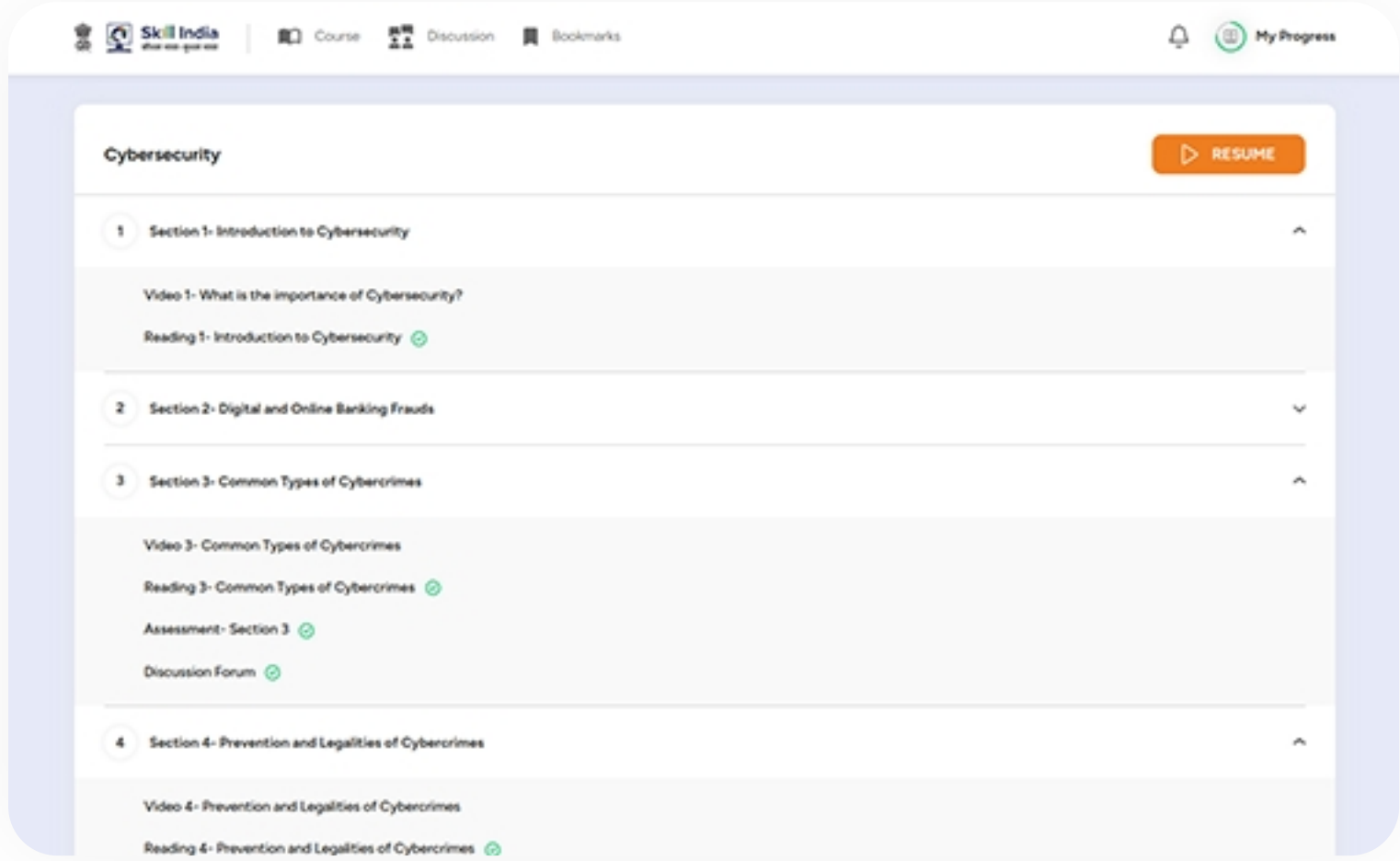
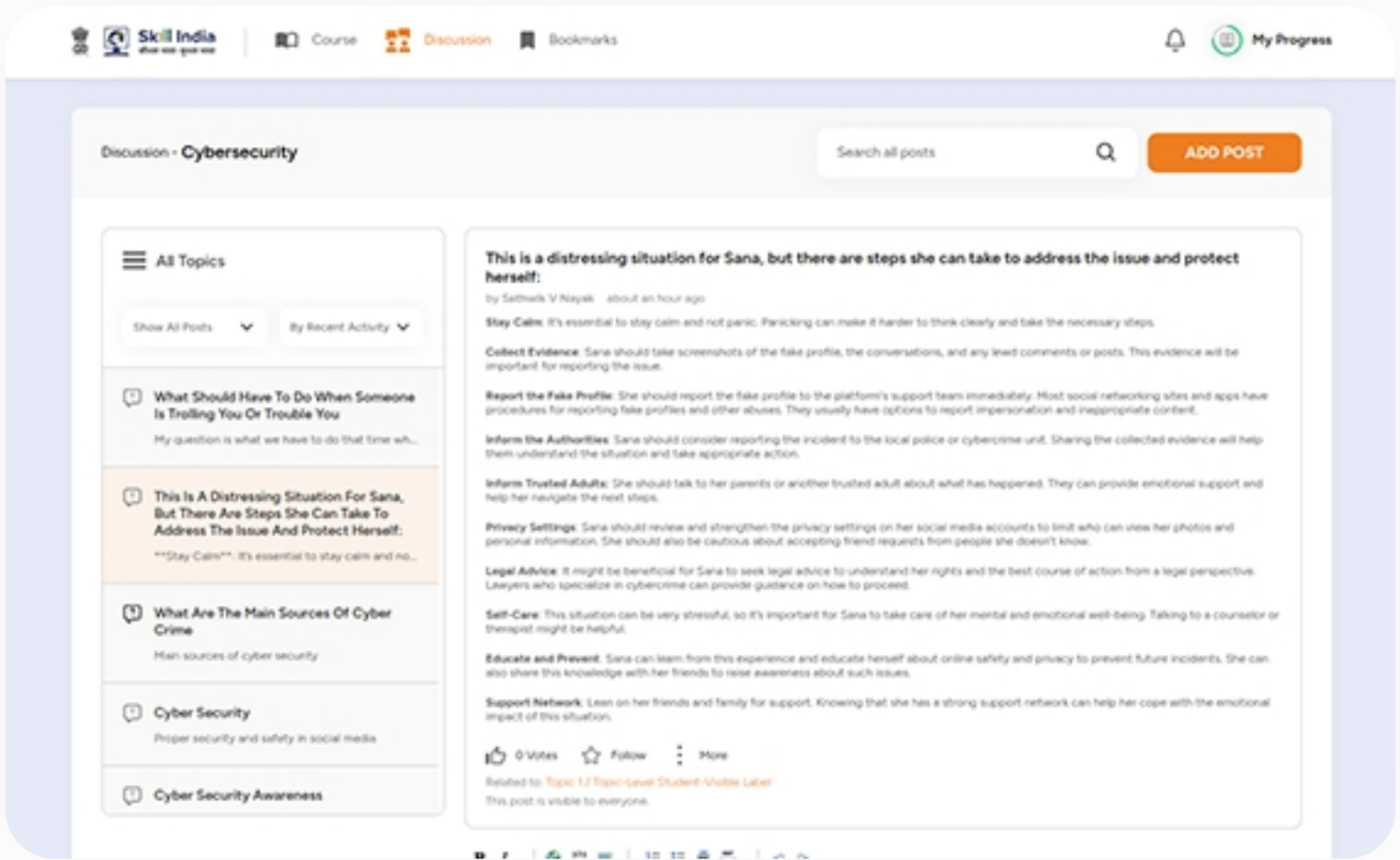


## Notes

Users can add their notes for specific course content

## Discussion Forum

The discussion forum in the platform enables peer to peer discussion between users and authors so the learners can ask the question or put it as a discussion so questions are answered by the course author and discussions can be peer to peer between learners



## Structured Course Content

It has facility to have course in 3 levels Course

- Section
- Subsection
- Unit: It can have content

## Other Features

- Digital CV
- Zoom integration for courses and webinars
- Auto Graded assignments
- WhatsApp & Push Notifications
- Course Prerequisite
- Email/SMS Notifications
- Reports
- Course Progress

