

**Industry:** Education

**Deliverables:** • Mobile App  
• Web App

**Technology:** Android

**Country:** India

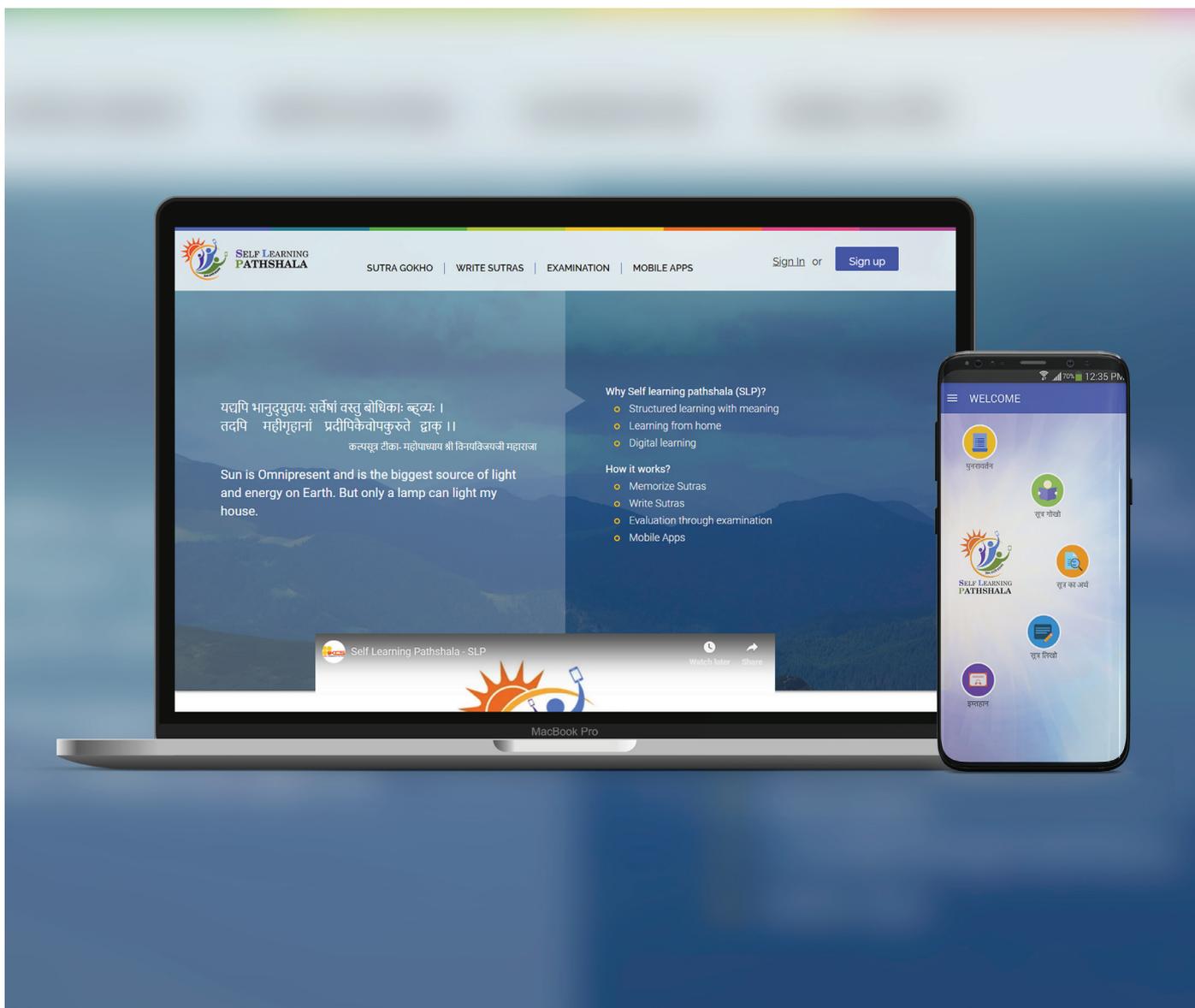
## Project Goal:

1. To digitize the entire learning process of Jain Sutras (Scriptures) with modern technologies.
2. Build a stellar solution to quickly gain information of all the sutras (scriptures) of Jain religion under one single platform.
3. Design a structured platform with Speech Recognition option for learning accurate pronunciations and recitations of sutras while easily understanding their meanings.
4. Render a user-friendly app that offer Sutras the English Language for those who are not accustomed to Indian languages.
5. Design a platform where users can know the accuracy and the level of the gained knowledge through simple exams.

## Features

- Speech Recognition for improved Pronunciations
- Multi-Language (Hindi, Gujarati & English)
- Text to Speech & Speech to Text
- Sutra Recitation
- Memorizing Sutra & Writing Practice
- Meaning for Better Understanding
- Self-Evaluation through exams
- Exam History

“Developed a highly efficient Web & Mobile App to digitize the learning process of Jain Sutras. The app not only helped the users to learn, recite, overwrite and memorize the Sutras but also enabled them with self-evaluation through examination for quick and better progress.”



## Text to Speech and Speech to Text

Our solution rendered an extensive Text to Speech and Speech to Text feature that allowed the users to easily learn all the Sutras with accurate pronunciation. With the help of Speech Recognition, the system detects the voice of the user and gives suggestions as well as feedbacks depending upon the performance of the user.

## Challenges:

The Jain Pratikramana Sutras are the spiritual chants that are very powerful. It is believed that it destroys sins when chanted with dedication. It has been into existence from the times of Mahavir Swami. Over a period of time, due to modernization and urban lifestyles, the Jain Community is slowly losing the age-old traditions.

- Jain Sutras were not available in digital form.
- It was very difficult to find all the sutras at one platform.
- Even when surfed on the internet, the sutras were not available in English language making it difficult for all the new-gen readers to understand the language.
- No proper platform to properly learn the pronunciations as well as revise the sutras with meaning.

## Solution

### **Punravartan: - Revision of the Sutra**

This module helps the users to revise the Sutras with the help of audio clips. Voice narration enables the user with powerful pronunciation. There are different levels in this module ranging from easy to difficult. The users can record their voice while revising the Sutras.

### **Sutra Gokho: - Remembering Sutra**

This module helps the user in memorizing the Jain Sutras with audio clips. As soon as the user press start button, they will be able to hear the audio. Then, they need to pronounce the Sutra/Pad. The users simply have to repeat the Sutras as per the standard repeat mode or their preferences in order to remember them.

### **Sutra no Arth: Meaning of the Sutra**

This module enables the user to gain the meaning of the Sutras. This module easily shows the meaning of selected Sutra for quickly remembering them with better understanding.

### **Sutra Lakho: Writing the Sutra**

This module enables the user to over-write the Sutra. The user can overwrite the alphabets or words or phrases on the already written Sutra as per the standard repeat method or according to their preferences. This module simply helps the user to accurately learn writing any Sutra.

### **Examination: Self-Evaluation through Exam**

When the user revises, memorizes, understands the meaning and is accurate in writing the Sutra, they are ready for the 5th and final module of the app. This is a self-evaluation module that enables the user to know how efficiently they have learned the Sutras. The examination is based on level or Sutras. The user can choose any type according to their preference and give the exam getting results instantly after completing the exam, thus evaluating their gained knowledge and practice.

## Result:

Our team of professionals truly understood the client's requirements and provided a stellar web and mobile app. The app quickly helped the users learn, revise, write and recite Jain Sutras in the most accurate manner along with speech recognition. Along with this, it also helped users with self-evaluation to monitor their progress. The solution helped the client digitally connect Jain community with their age-old traditions. The app supported 3 native languages for the users. The solution provided every source of learning Jain Sutras ranging from recitation to overwriting to self-evaluation for quick, accurate and highly-effective user experience.



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