TTMS

A vision of education reform

Summary

Great teaching has long been seen as an innate skill in India. But the Government of Karnataka believed that the best teachers are made, not born.

In 2017, the Department of State Education Research and Training of Karnataka, in collaboration with the Azim Premji foundation, launched a teacher education initiative called Guru Chethana. This initiative aimed to address the concerns in teacher education programs, and make teacher development efforts more meaningful and relevant. This document explains how the massive exercise of re-designing the approach to professional development was implemented using Zoho Creator.

The old system

- ☑ Programs and modules were centrally designed and delivered, regardless of a teacher's needs and interests.

- ☑ Experienced teachers focused mostly on addressing issues in textbooks, rather than building a conceptual, deeper understanding combined with constructive pedagogy courses.

- ☑ Keeping track of thousands of textbooks was a logistical nightmare.

A vision of education reform

The state decided to provide active learning opportunities for teachers. They needed a dramatic overhaul of how they prepared, inducted, and retained good teachers. Their major requirements were:

✓ **Easy-to-use mobile app**

✓ **Trainings based on preferences expressed by the teachers**

✓ **Online attendance capturing with Aadhaar Integration**

✓ **Real time reports at state, district and block levels**

The major challenge was that the teachers didn't have email accounts and DSERT wanted the app ready within a short time.

From vision to action

Zoho Creator offered a cloud-based learning app called TTMS (Teacher Training Management System) for the professional development plan that the state envisioned for its teachers.

This project, developed in **45 days** and initially used by **20 users, scaled up seamlessly for 200,000 users** accessing it in different roles. Zoho Mail offered free mail accounts for all the users.

Online library

A variety of study materials in the course catalogue are organized on **Zoho's cloud.** Trainers can upload documents, PDFs, slide-shows, and audio and video files **in minutes,** which teachers can then download to prepare for training sessions.

Native mobile app

Apart from its web version, the **multilingual** TTMS (English and Kannada) also has a modern and easy-to-use mobile app with features like **push notifications** for reminders and updates, and **offline sync** of content and assessments.

Automated login creation

Since most of the users didn't have an email address, Zoho Mail automated account creation for the list of users (teachers, trainers and admins) uploaded to the Creator database. As soon as their Zoho Mail account is created, the users receive **an SMS invitation link** to access the TTMS app.

Course registration

Teachers can download the app from PlayStore/AppStore and register for professional development courses—with their preferences. Once they register, they get notifications via SMS on scheduled training dates and times.

Administration

This module enables Education Department officials to **schedule training sessions** for different venues. It **automates the creation of training batches,** consisting of up to 40 teachers each, based on the course and timing preferences of the teachers.
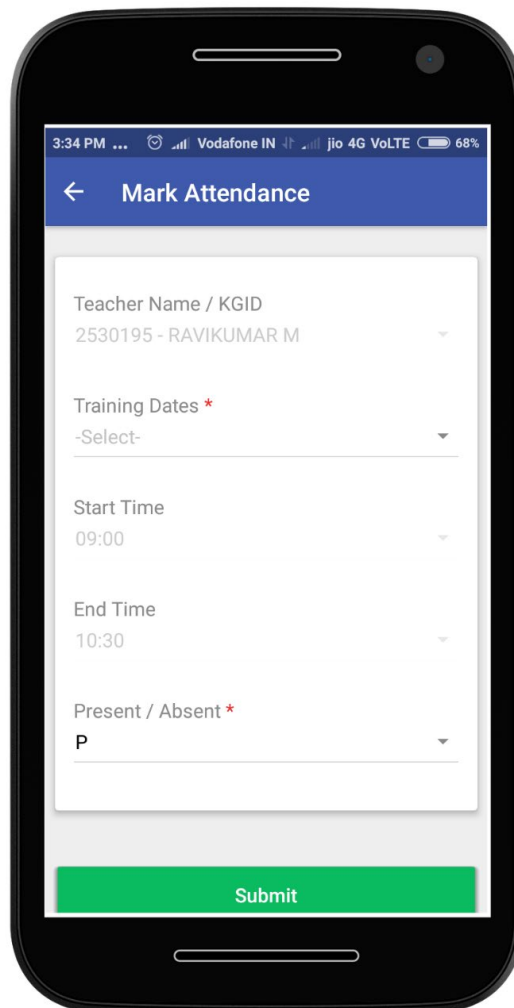

TTMS 1.0   APF TTMS

Home | Dashboard | Available Training Modules | Training Module Selection | Batch Formation | Master | Common Master | Attendance | Mark Exclusion | Feedback | My Trainings

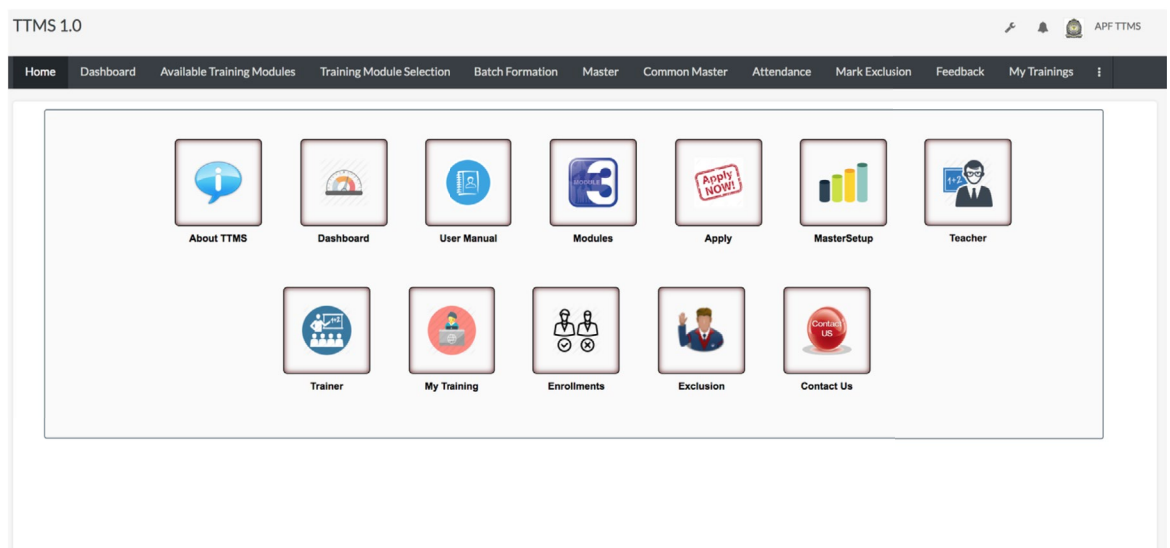| Sl. No.	Module Name	Priority 1	Priority 2	Priority 3	Priority 4	Priority 5	Priority 6	Total	No. of Trainings Scheduled	No. of Trainings Completed	No. of Teachers Trained so far
	Consolidate								Year Based		
1	8-Multilingualism and Linguistic Skills	941	1483	1094	730	363	264	4248	19	19	721
2	9-Teaching literature and assessment	671	1214	972	704	278	255	3561	9	9	372
3	6-Dimensions of language	2313	951	672	611	318	238	4547	23	23	831
4	7-Language Learning Theory and Approach	1648	1636	1016	1428	416	361	5728	22	22	843
5	1- Kannada Language	13332	4649	3026	2916	2324	2093	23923	126	125	4968
6	2-Nature and structure of language	5040	5573	2968	2631	1560	1899	16212	19	19	770
7	3-Language acquisition and language learning	5281	3629	3089	2518	894	1122	14517	58	58	2341
8	4-Language skills	16062	11665	6921	7049	3271	3679	41697	214	211	8602
9	5-Alternative perspectives in grammar learning	16110	9839	5623	5803	2004	2080	37375	199	195	7903
10	10-Number Systems	5518	8805	6374	4288	2759	2055	24985	124	123	4995
11	11-Basic Operations on Whole Numbers	5882	8995	6002	4719	2222	1842	25598	157	155	6225
12	12-Measurement	3503	5489	4760	3074	1940	1620	16826	83	81	3281
13	13-Mensuration	3292	6011	3654	4166	922	882	17123	81	78	3166
14	22-Introduction of Nali-Kali - Basic Module	10100	3388	3841	3871	891	672	21200	726	726	50064
15	23-Nali-Kali – Kannada	7944	10415	4980	3130	1892	1196	26469	60	60	2459
16	24-Nali-Kali – Maths	3168	7257	9774	4627	1883	1603	24826	59	59	2385

Training

The schedule with the list of teachers and session times can be viewed by trainers through the app. This module enables trainers to **create and track** lesson plans, mark attendance, assess teachers and generate reports **both online and offline.**

Personalized dashboard

The app calculates the grades and attendance percentage of all teachers and **provides insights** on course progress, learner progress, enrolment trends, and overall performance of the batch.

Feedback

Upon course completion, teachers can provide feedback about the course and the trainer through the mobile app.

Help desk

To manage teachers' questions, **Zoho Desk** has been set up and managed by administrators to respond to and **resolve their issues.**

When thoughts became apps

5,000+
Trainers employed

2,000+
trainings conducted

200,000+
Teachers trained

Zoho Creator has created opportunities to refute the stereotypical notions around education, reasserting the fact that learning is alifelong process that must not be restricted to a particular age or time.

Teachers considered this professional development to have a large impact on their careers, and this provided a rationale for further expanding this initiative to other parts of the country. Teachers stand to benefit, but most importantly, so do their students.

This is the first time in India where thousands of teachers are undergoing voluntary training based on their choices and preferences—and Zoho has been an integral part of this radical initiative.

ZOHO Creator

www.zoho.com/creator/enterprises.html

We'd love to talk! Reach out to us:

enterprise@zohocreator.com