

A group of people are seated around a large conference table in a meeting room. The room has large windows with blinds on the left and a wall with various posters and diagrams on the right. The scene is overlaid with a semi-transparent blue band containing text.

NTP: Imagining the possibilities

Technology Review – 8th Aug 2017

Five Use Cases

1

A day in the life
of a Teacher

2

Enabling
TEIs

3

Teacher
Professional
Development

4

Ensuring
Access to
12 M Teachers

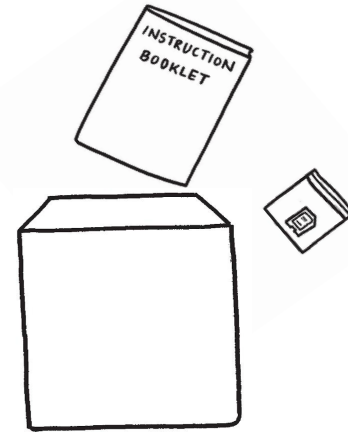
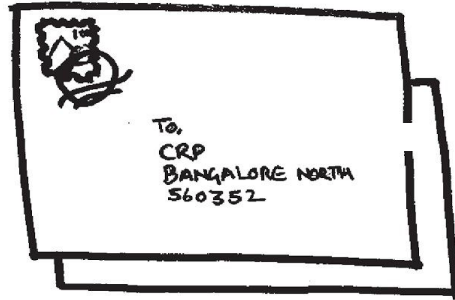
5

Creation of
Content

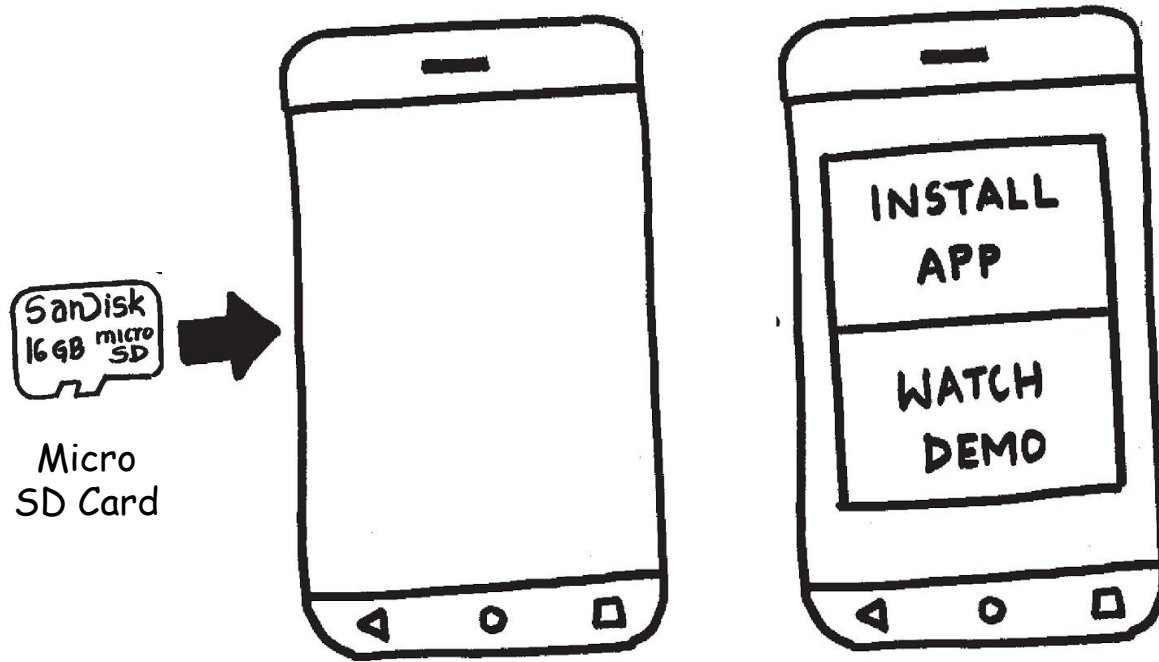
A day in the life of a teacher

1

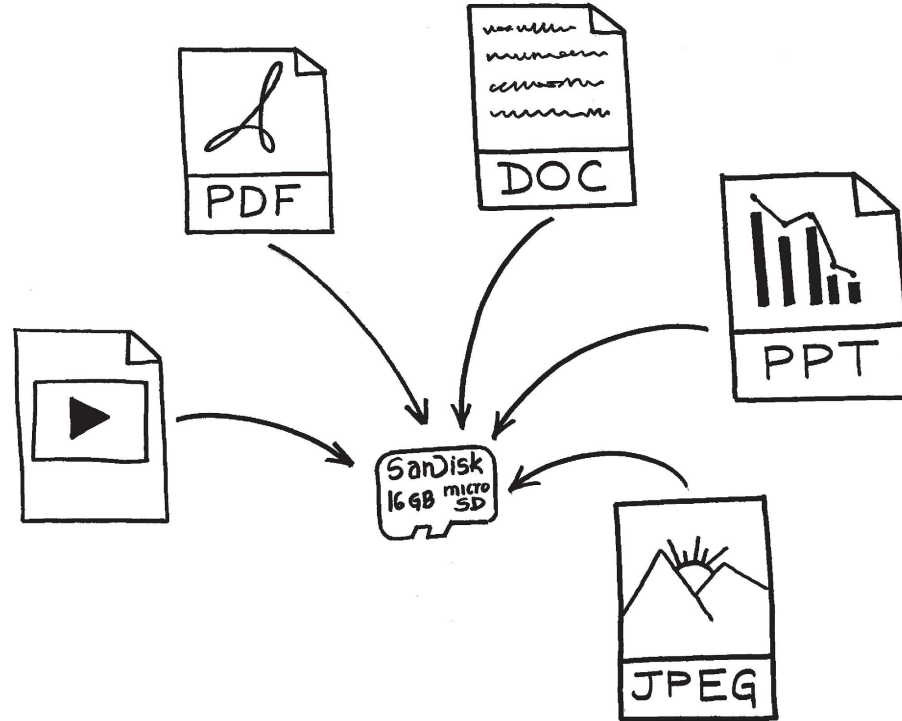
Teacher receives an SD card via post



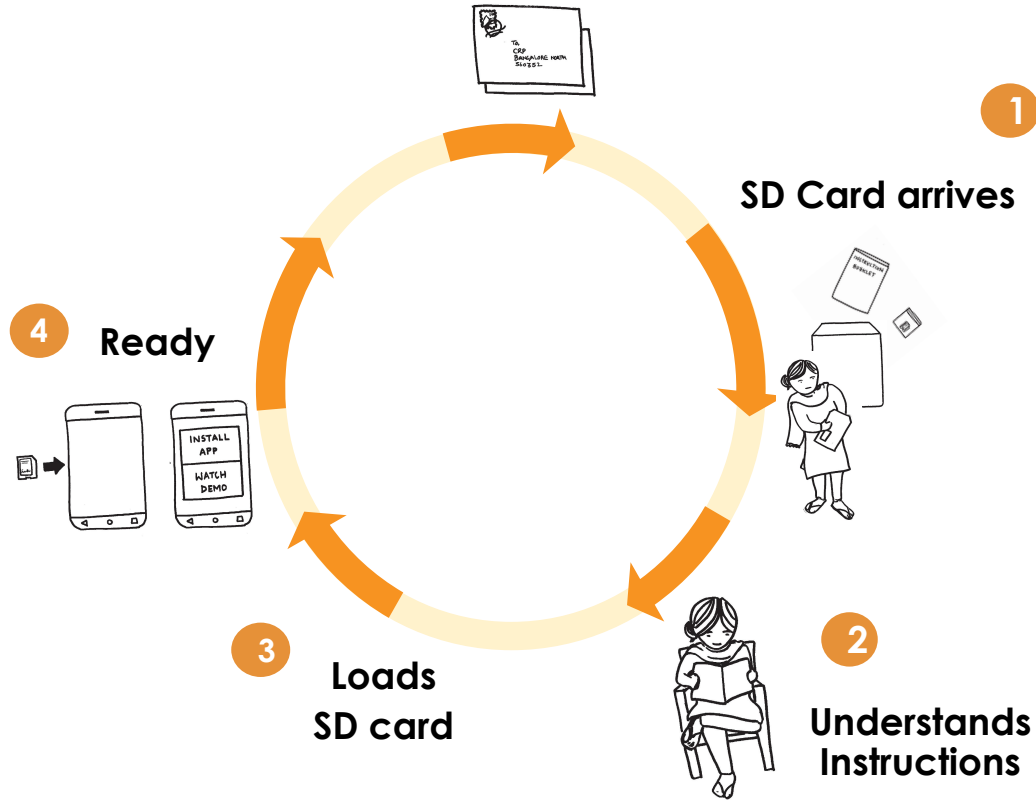
SD card has content linked to the year's curriculum



The curated content is of varied formats



This offline process can be a yearly cycle



The content can help the teacher refresh her concepts



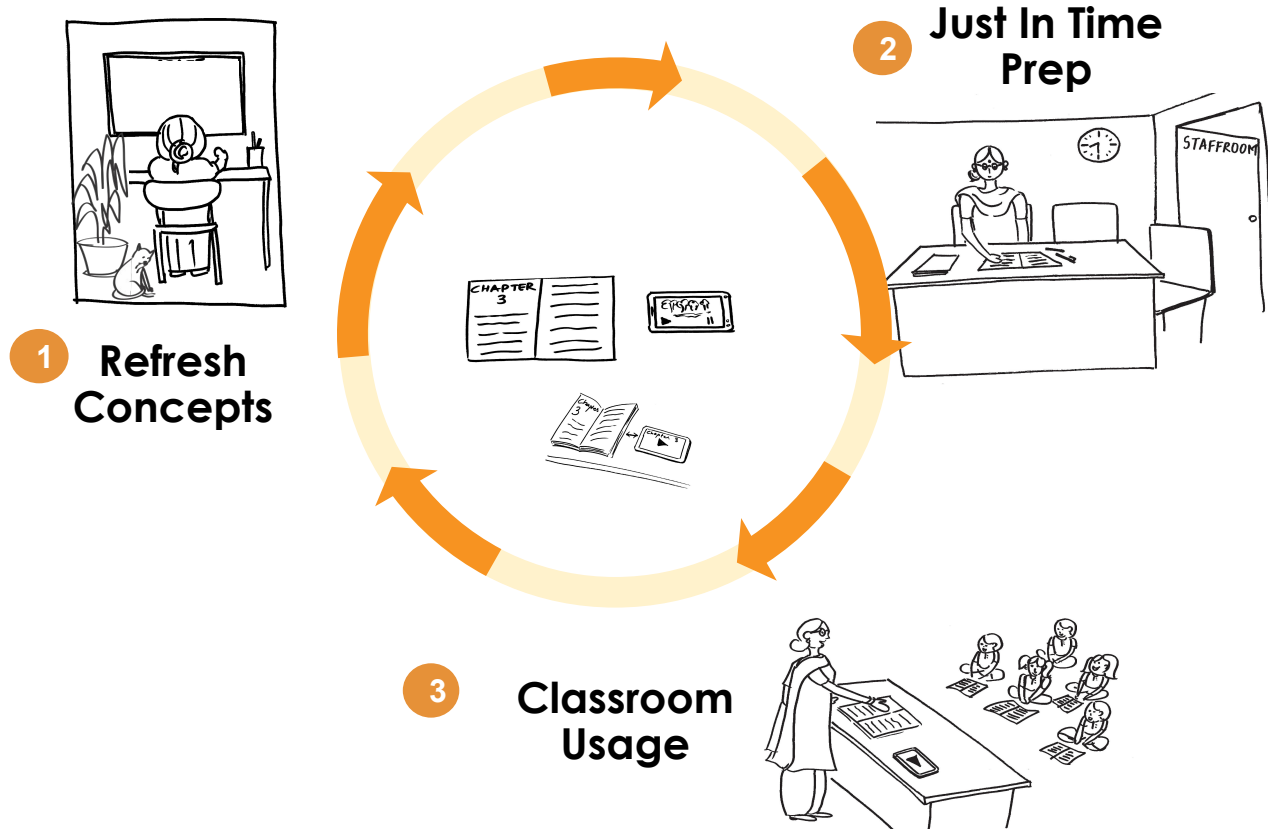
It also allows her to prepare for class 'just in time'



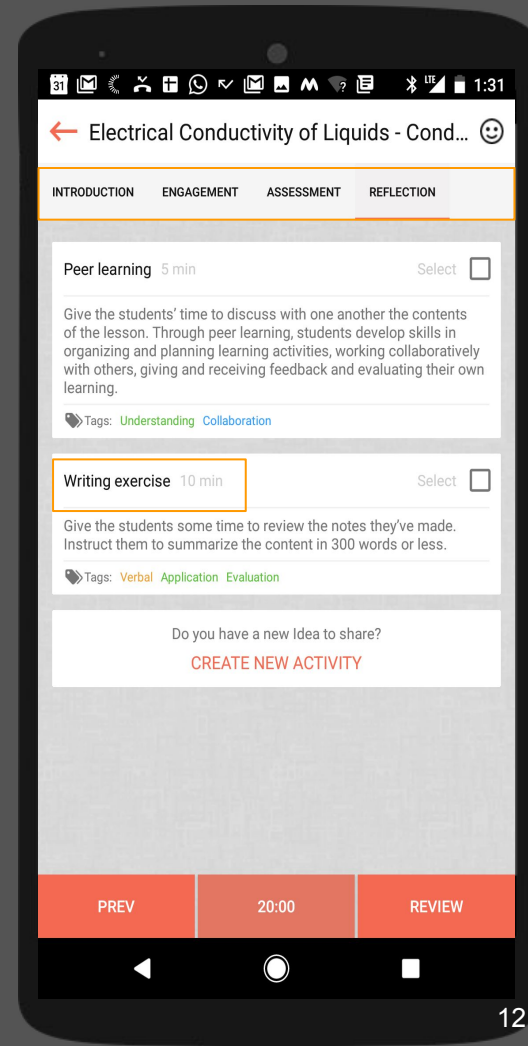
Classroom usage by teacher via her phone or tablet



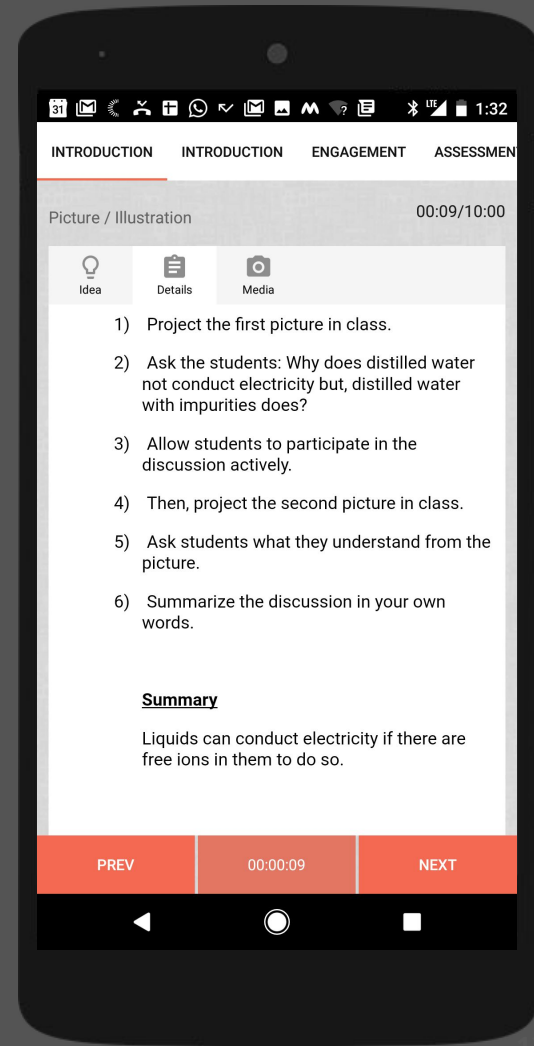
This cycle can become a daily habit for teachers



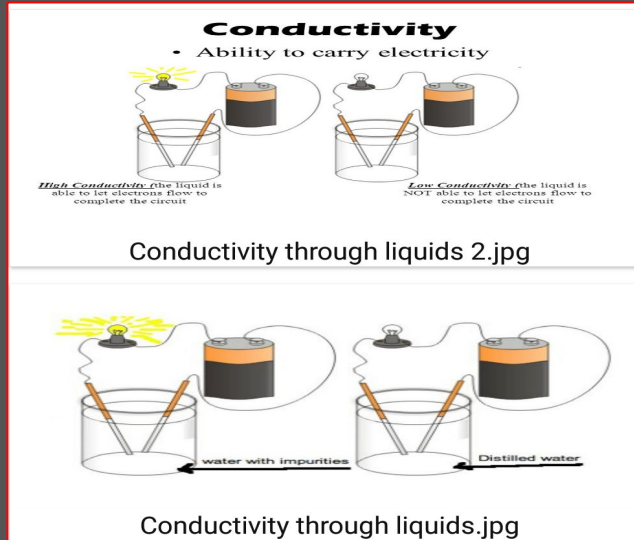
One of India's best private lesson planning technology and expertise – integrated into NTP infra & made available to all teachers



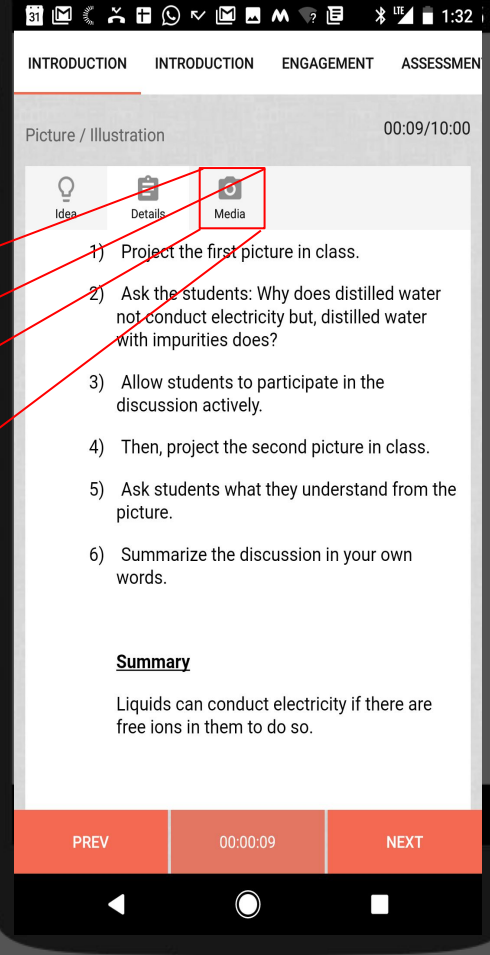
Contextual, expert advice at the teacher's fingertips



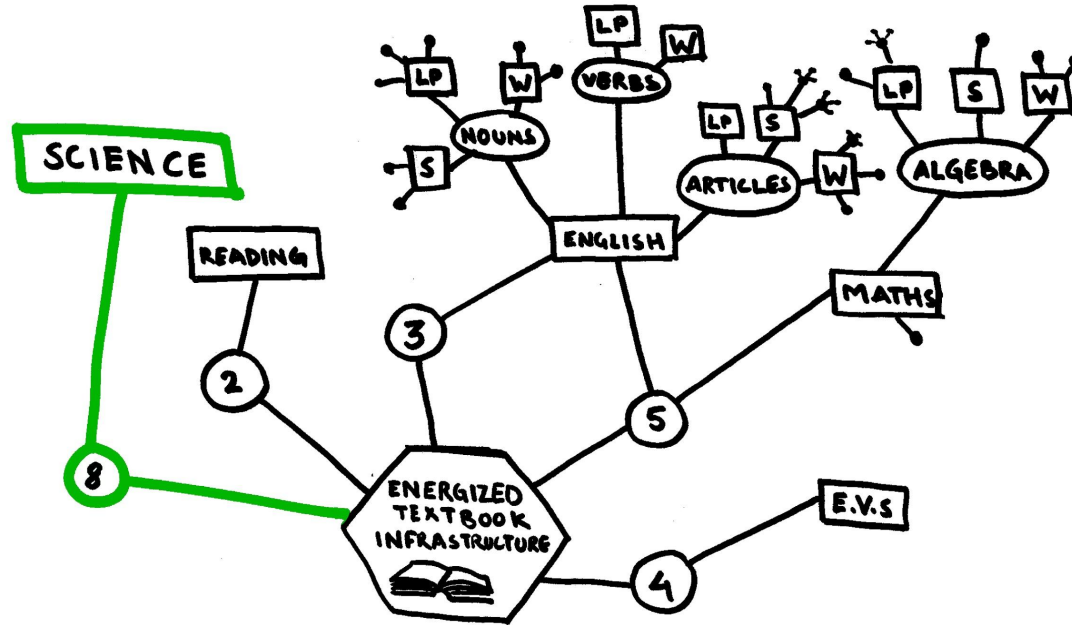
All additional material available in one place



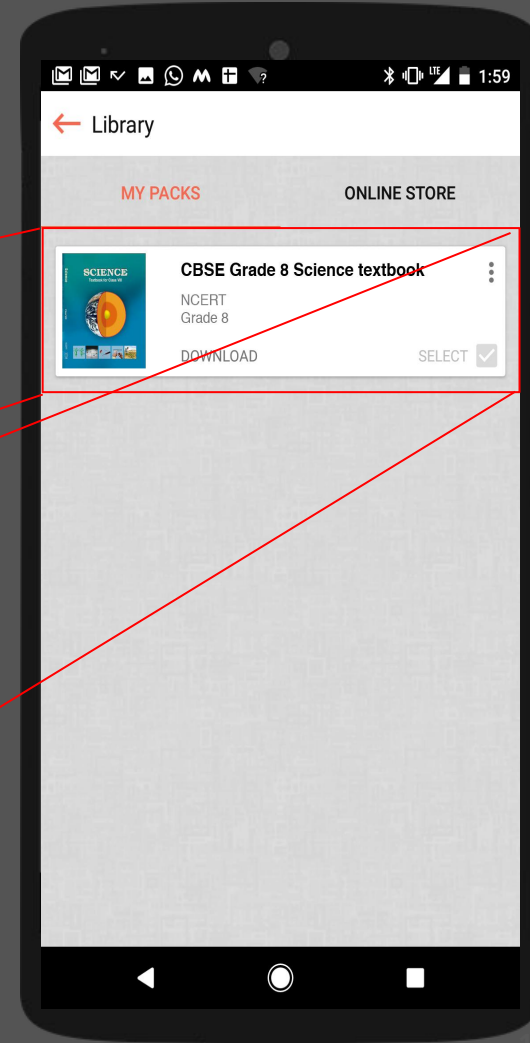
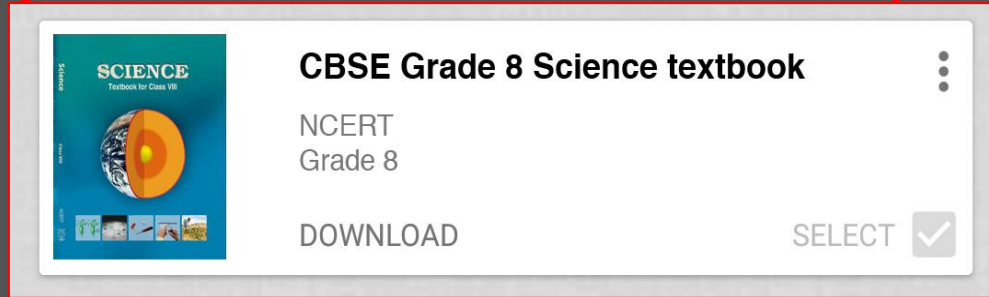
Media



A familiar map in the jungle of content



Teacher's GPS to navigate Textbook map



**Taxonomy
Infra**

**Energized
Textbook Infra**

**Curation
Infra**

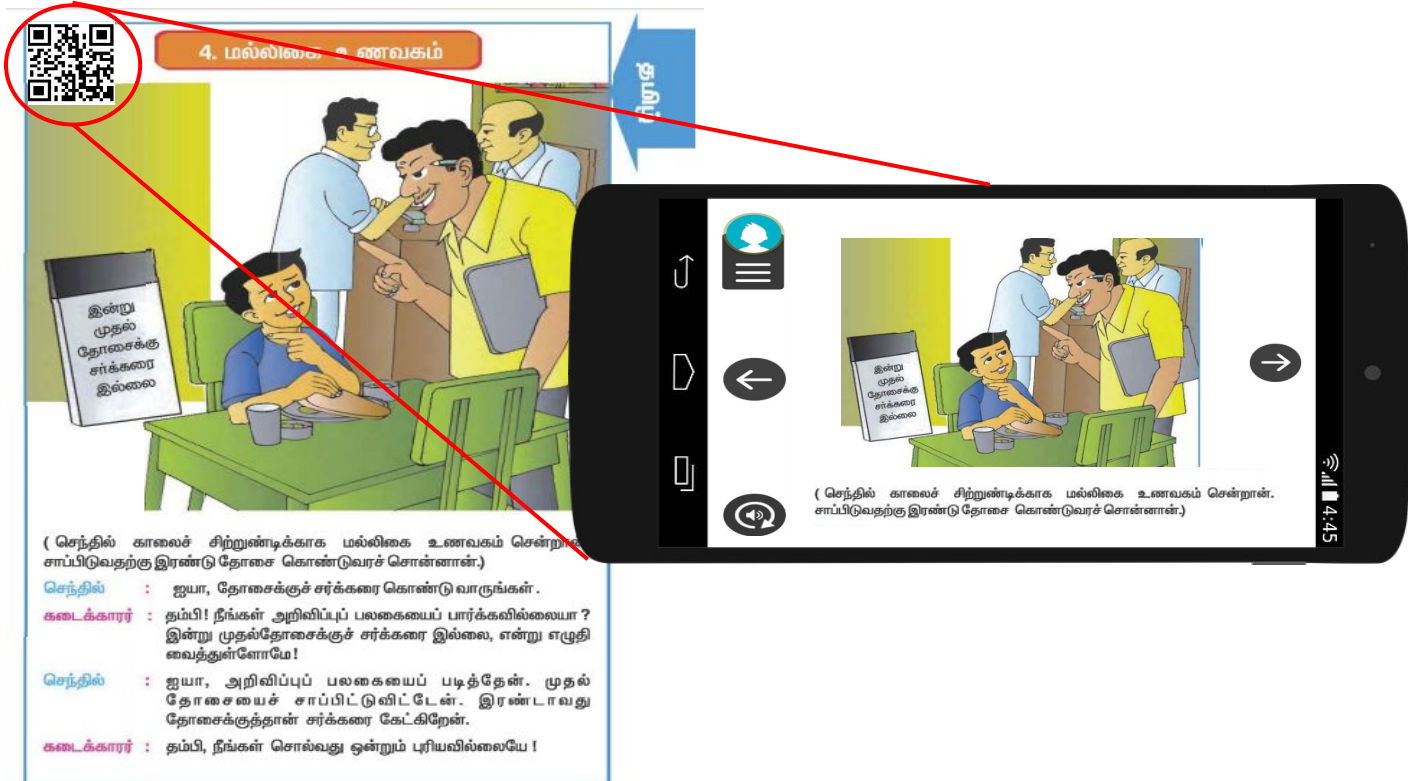
Digital textbook creation as infra helps package relevant content around a chapter

The screenshot shows a digital textbook interface. At the top, there's a header with a book cover image and the title 'English Medium Maths Textbook'. Below the header, there are tabs for 'Table of contents', 'About', 'Rating', and 'Performance'. The 'Table of contents' tab is active, showing a list of chapters. The 'Number Work' chapter is selected, and under it, 'Place Value' is highlighted. Below 'Place Value', there's a section titled 'Lessons' with two entries: 'Class 3: Number System: Place Value and Face Value' and 'Class 2: Number System: Place Value and Face Value of Numbers'. A blue arrow points from the 'Lessons' section to the 'Lessons List' dialog box on the right. Below the 'Lessons' section, there are several topics listed: 'Using symbols to show 'smaller' and 'bigger'', 'The number before; the number after', 'Ascending and descending Order', 'The expanded form of a number', 'Biggest and Smallest numbers', and 'Writing numbers from 26 to 99'.

The 'Lessons List' dialog box is shown, allowing users to select relevant resources for a chapter. The search bar contains 'place value'. The 'Language (1 selected)' dropdown is set to 'English'. A list of languages is shown with checkboxes: 'Select All', 'Assamese', 'Bengali', 'English' (checked), 'Gujarati', 'Hindi', 'Ho', 'Juang', 'Kannada', 'Marathi', 'Munda', and 'Odia'. Two blue arrows point from the 'English' checkbox in the language list to the 'Add' button in the dialog box. The main list of resources includes: 'Addition Colle...' (Collection | English,Kannada), 'To Discover Su...' (Worksheet | English), 'Skip Counting' (Worksheet | English), and 'Place Values In...' (Worksheet | English). Each resource has a brief description. At the bottom right, there are 'Cancel' and 'Add' buttons.

SCERT can link all the resources relevant to the grade and subject directly to the textbook.

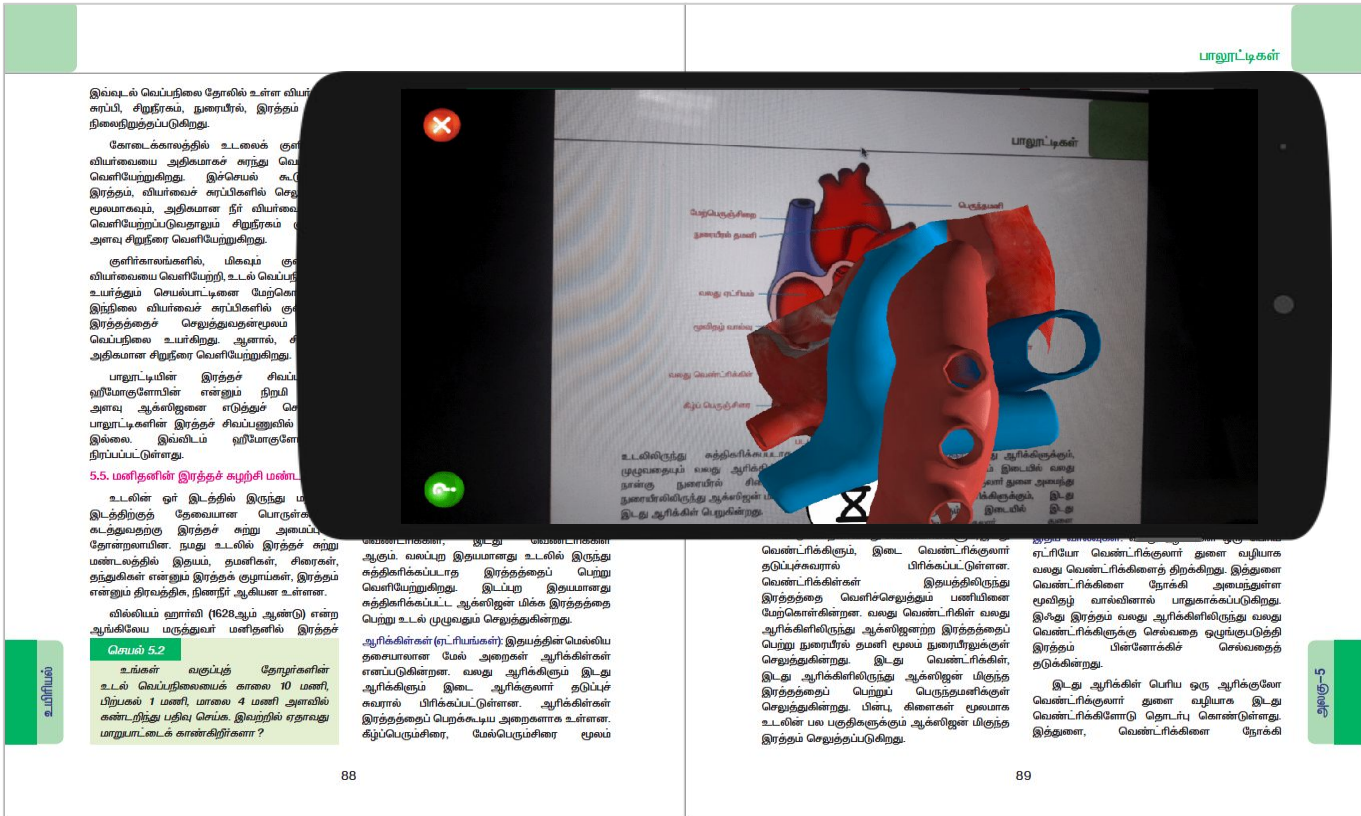
‘Extending the Textbook’ – TN leading the use case



With newer tech, experience can become more engaging

[illegible]

Platforms evolve by absorbing emerging technologies



Enabling Teacher Education Institutes (TEIs)

2

All Courses created by TEIs will be added to NTP



Bombay Teachers'
Training College

Name of the course ?

Branch name ▼

Author name ?

Add Content pieces



Interacting with
young students



Children with
special needs

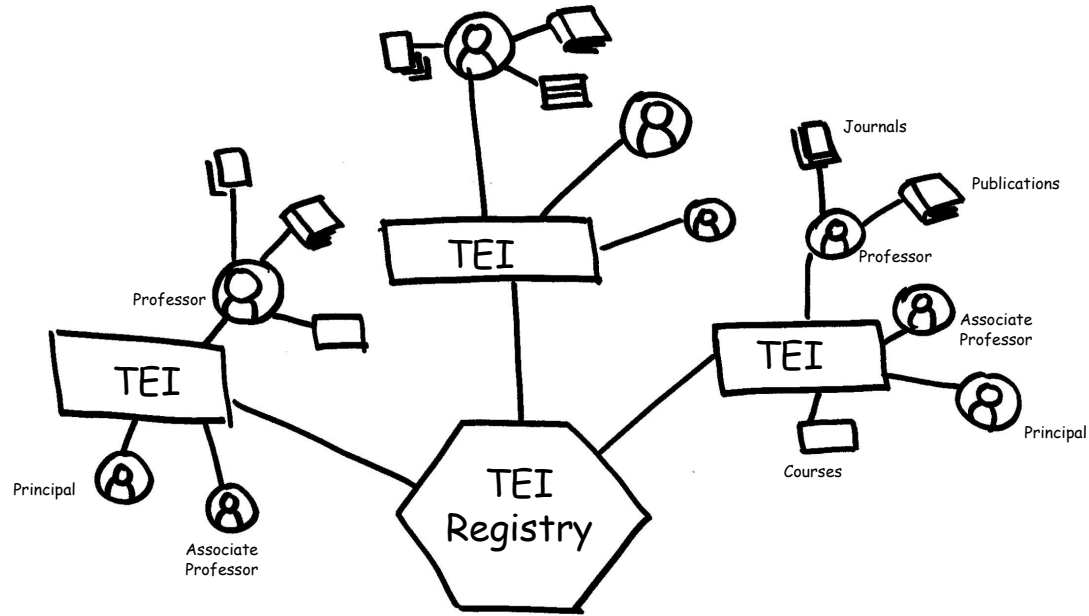


* Is a required field

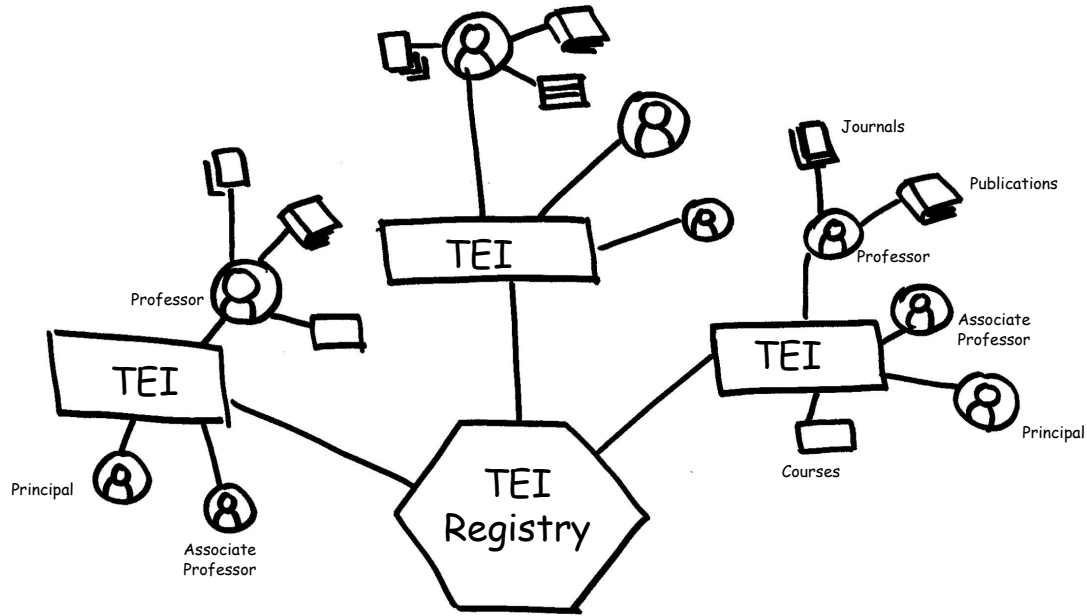
OPTION 2

PROCEED

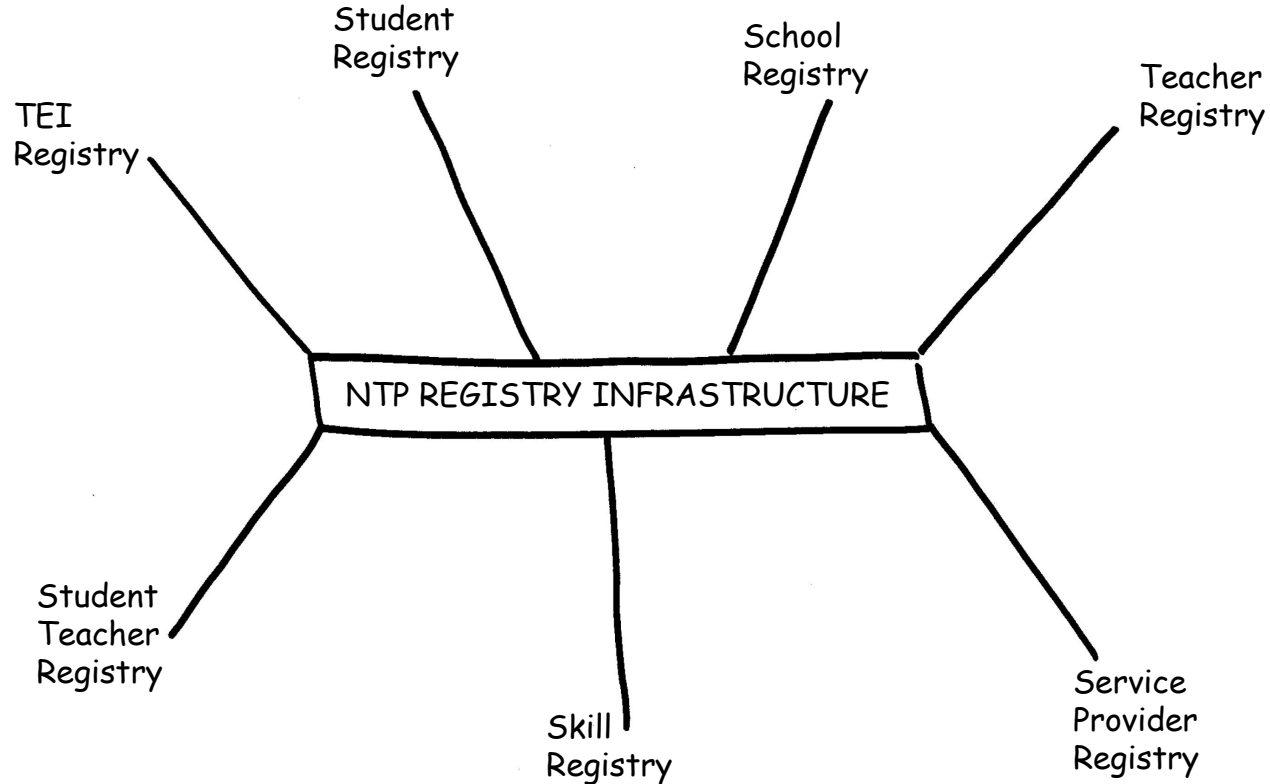
NTP provides a unified TEI registry ...



... and log-in authentication for other registries



NTP infra can also help create multiple, linked registries



Course creation infra for teachers


National Teacher Platform
Department of Education, Government of Maharashtra

Courses ▾ What are you looking for?

Home Courses Resources



Harish Bookwalla
Jawahar Vidya Mandir, Pune
Username: harish@tci 155

Courses created




Children with special needs



Classroom Engagement




Working learner

Question Feed


Announcement

Exam dates announced for CBSE and state board exams
I will write after this. This is the 1st paragraph, which can lead to a long answer (I will write after this. This is the 2nd paragraph, which can lead to a long answer ...
[See in Calendar >](#)


Phani Bhushan Ranerjee
Expert in Chemistry • 23k ago

What is the size of the Earth?

It has survived not only five centuries, but also the leap into electronic typesetting, it has survived not only five centuries, but also the leap into electronic typesetting, remaining



Harish Bookwalla
Jawahar Vidya Mandir, Pune
Username: harish@tci TCI

Courses created




Children with special needs



Classroom Engagement




Working with slow learners



Maharashtra Teachers Association

Sun Mon Tue Wed Thu Fri Sat
26 26 27 28 29 30 1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31 1 2 3 4 5

10th June - Teacher's test results to be declared

Resources/Files 15 files
Filename.mp4

Central teacher registry system gets updated with the progress teachers make and courses taken by them

Badges bring digital trust to credentials

The screenshot displays the National Teacher Platform (NTP) interface. At the top, there is a search bar with the text "What are you looking for?". Below the search bar, the "Content Library" is organized into two main sections: "Classroom management" and "Behavioural Psychology".

Classroom management section:

- Understanding Child Behaviour:** A card featuring a green star badge, a thumbnail image of a teacher in a classroom, a 2-line description, and a 5-star rating (2,367 reviews).
- Working with slow learners:** A card featuring a green star badge, a thumbnail image of a rainbow, a 2-line description, and a 5-star rating (2,367 reviews).
- Active students in class:** A card featuring a green star badge, a thumbnail image of a lightning bolt, a 2-line description, and a 5-star rating (2,367 reviews).
- Classroom Engagement:** A card featuring a green star badge, a thumbnail image of a teacher and students, a 2-line description, and a 5-star rating (2,367 reviews).

Behavioural Psychology section:

- Behavioural:** A card featuring a green star badge, a thumbnail image of a globe, a 2-line description, and a 5-star rating (2,367 reviews).
- Children with special needs:** A card featuring a green star badge, a thumbnail image of children, a 2-line description, and a 5-star rating (2,367 reviews).
- Into a child's Mind:** A card featuring a green star badge, a thumbnail image of children in a classroom, a 2-line description, and a 5-star rating (2,367 reviews).
- Interacting with young students:** A card featuring a green star badge, a thumbnail image of children playing, a 2-line description, and a 5-star rating (2,367 reviews).

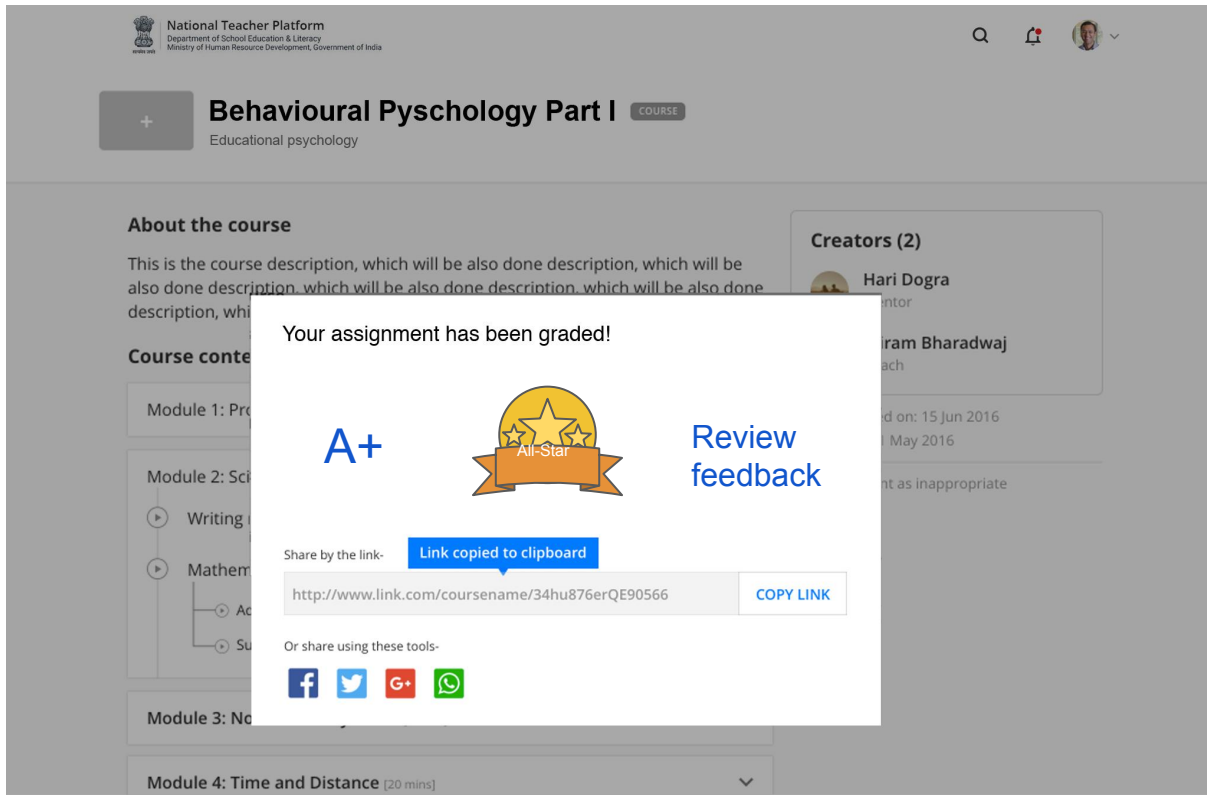
Red callout boxes highlight specific content:

- Classroom Engagement:** A callout box on the top right shows a larger view of the "Classroom Engagement" card, featuring a teacher and students.
- Children with special needs:** A callout box on the bottom left shows a larger view of the "Children with special needs" card, featuring a group of children.
- Classroom Engagement:** A callout box on the middle right shows a larger view of the "Classroom Engagement" card, featuring a teacher and students.

A large green star badge is positioned on the right side of the slide, next to the text:

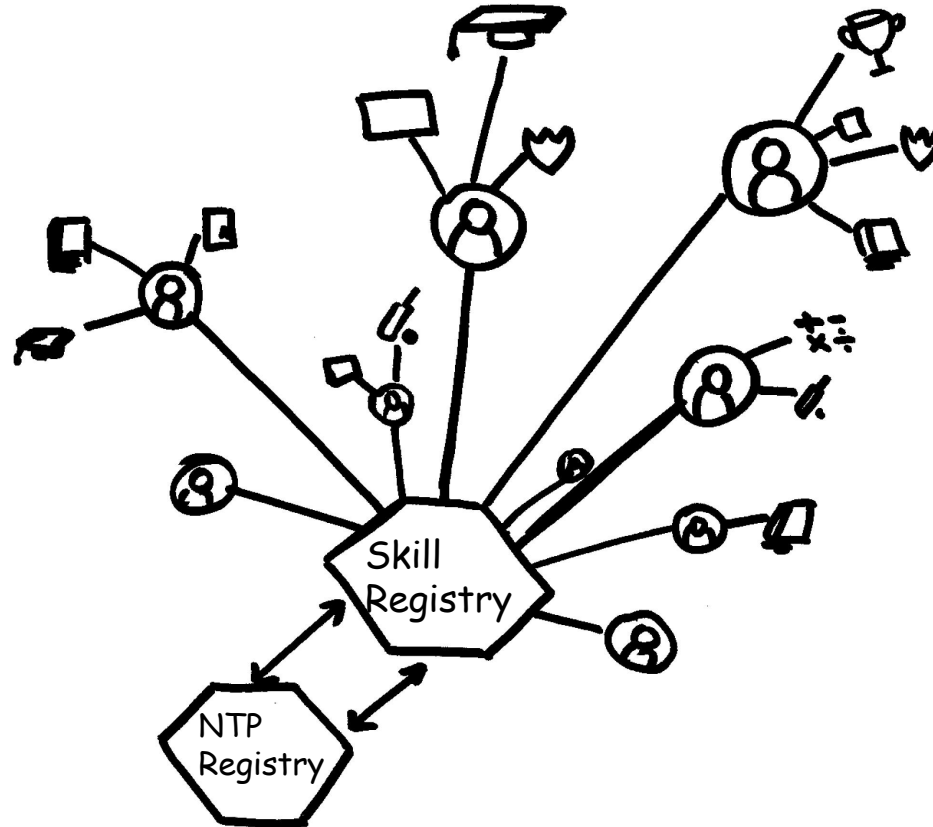
Access to content that is approved by NCTE

Badges can be given to students, teachers & institutions

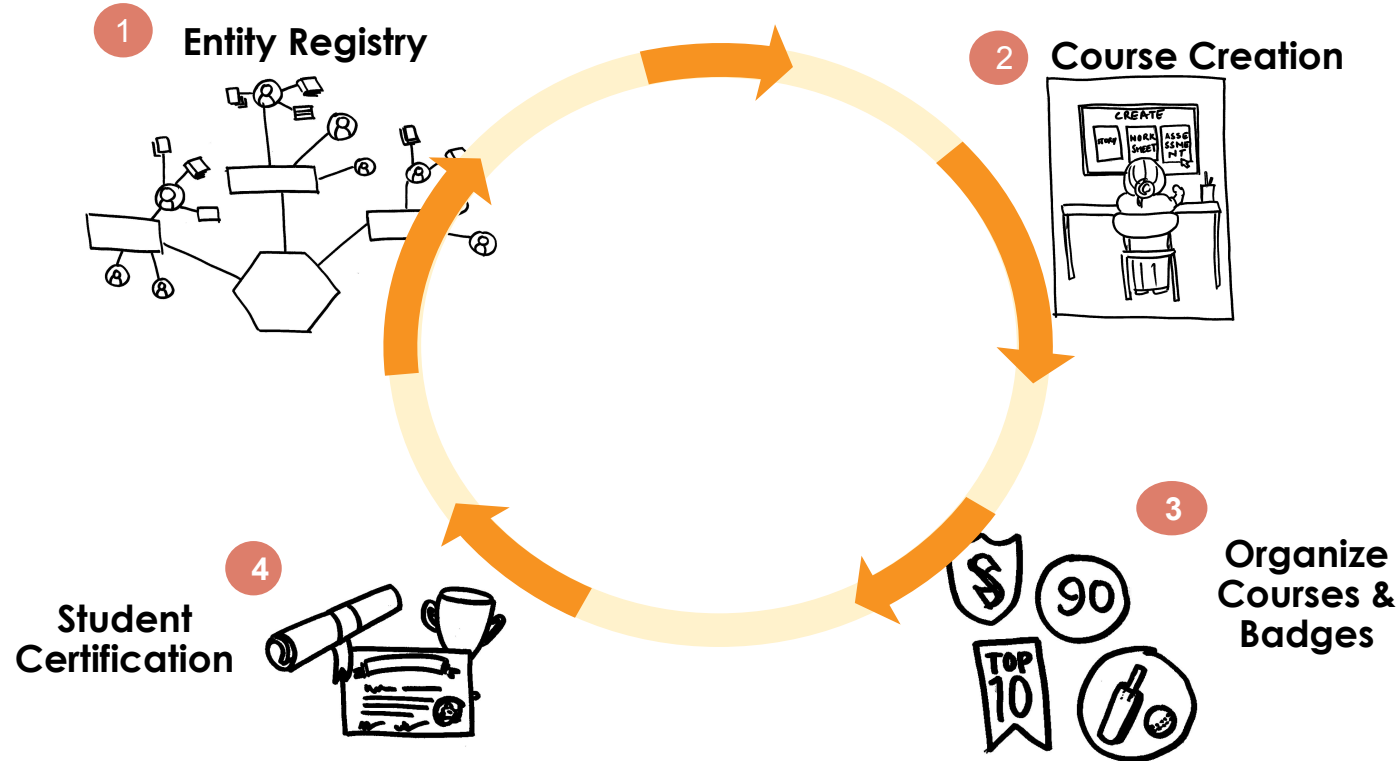


Badging creates accountability and transparency

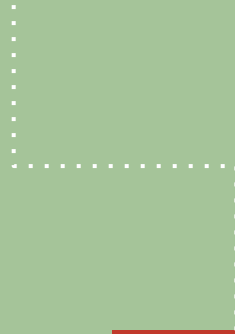
Skill registry of students can also be created



A repeatable cycle for TEIs

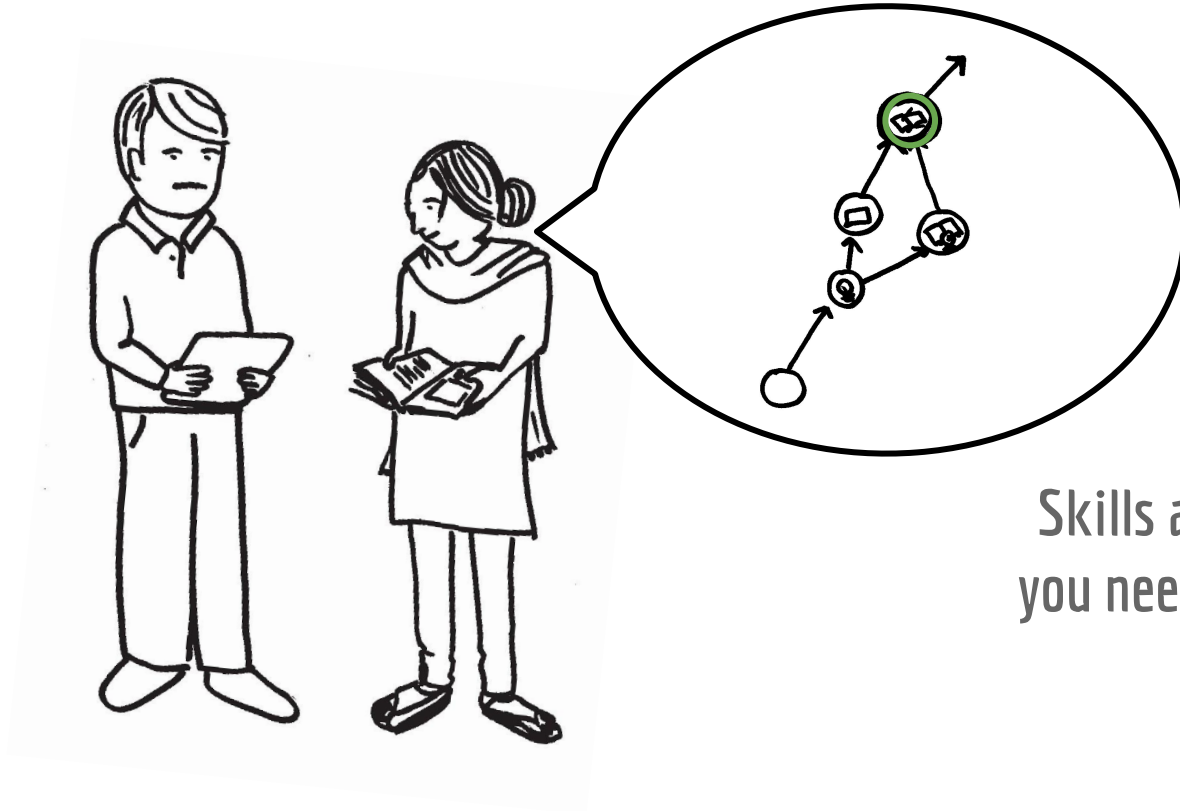


Teacher Professional Development



3

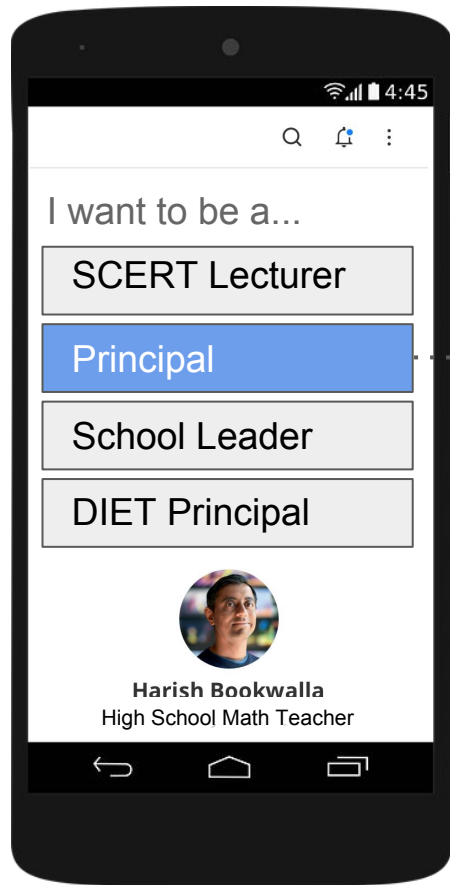
Teachers develop their professional skill map



Skills and courses
you need to develop

Teachers choose training based on skill gaps, goals and courses available

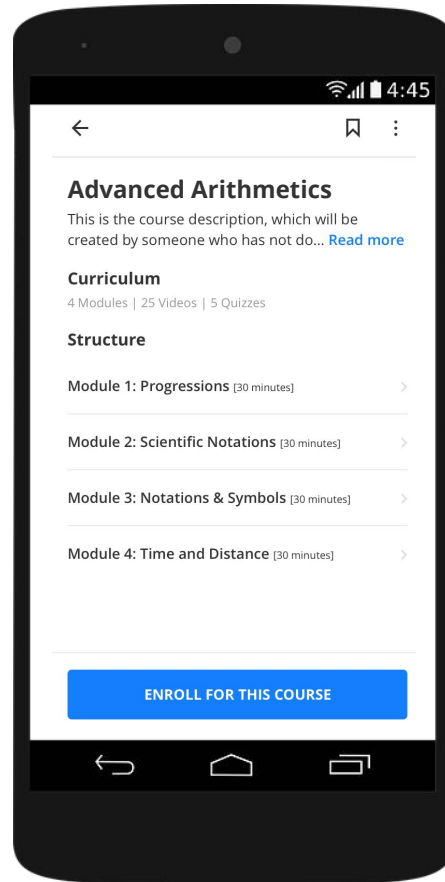
- Choose Training
- Select Training
- Schedule Training
- Take Training
- Certify
- Skills Upgraded
- Recognition
- Identify gaps



Skills and courses
you need to develop

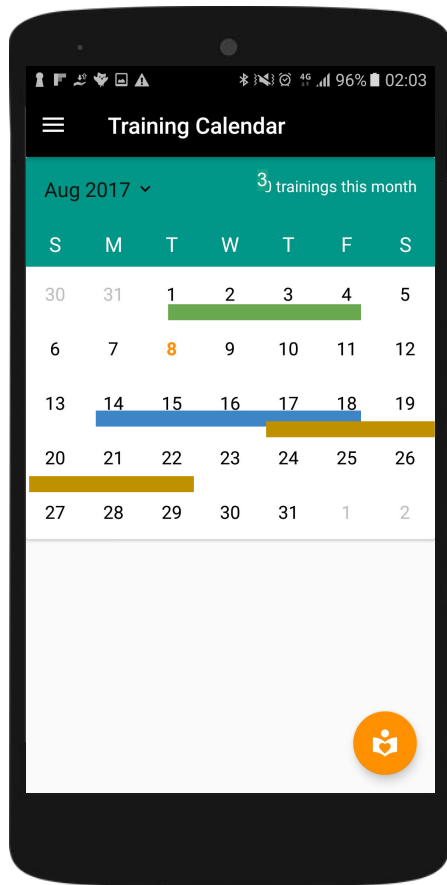
They can select the relevant course for training

- Choose Training
- Select Training
- Schedule Training
- Take Training
- Certify
- Skills Upgraded
- Recognition
- Identify gaps



Teachers can see the schedule of trainings, courses & evaluations

- Choose Training
- Select Training
- Schedule Training**
- Take Training
- Certify
- Skills Upgraded
- Recognition
- Identify gaps



Teachers can take training as per the schedule

Choose Training

Select Training

Schedule Training

Take Training

Certify

Skills Upgraded

Recognition

Identify gaps



Training at Nandurbar, Maharashtra.

Teachers get digitally authenticable certificates

Choose Training

Select Training

Schedule Training

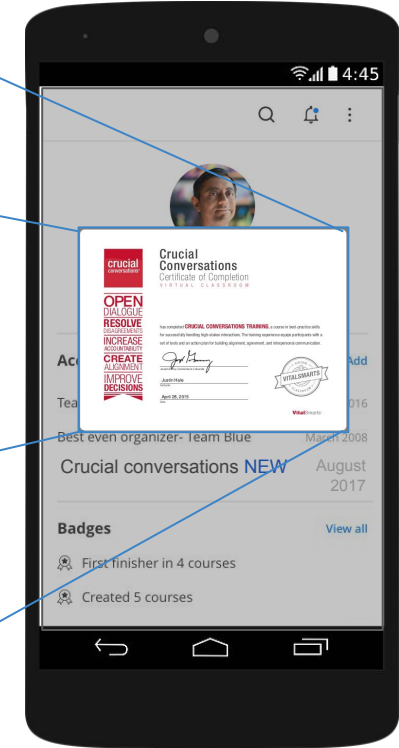
Take Training

Certify

Skills Upgraded

Recognition

Identify gaps



Skills of teachers are digitally updated

Choose Training

Select Training

Schedule Training

Take Training

Certify

Skills Upgraded

Recognition

Identify gaps

Skill Tags

Leadership | 24

Mentor | 4

Advanced Chemistry

Mastery in Organic Chemistry

[View more](#)

National Teacher Platform
Department of School Education & Literacy
Ministry of Human Resource Development, Government of India

Home Courses Resources Community **Profile**

Harish Bookwalla
Jawahar Vidya Mandir, Pune

[FOLLOW](#)

[SEND EMAIL](#)

Description
Nam porttitor blandit accumsan. Ut vel dictum sem, a pretium dul. In malesuada enim in dolor euismod, id commodo mi consectetur. Curabitur at vestibulum nisi. Nullam vehicula nisi velit. Mauris turpis nisi, molestie ut

Experience

All Subjects class teacher JUN '10 - JUL '16 (6 YRS)
Balamandir, Vadgaon

Chemistry teacher - Std VII & VIII JUNE '10 TO JULY '16
Balamandir, Vadgaon
Responsibilities included many organizational activities am porttitor blandit accumsan. Ut vel dictum sem, a pretium dul. In malesuada enim in dolor

Skill Tags

Leadership | 24

Mentor | 4

Advanced Chemistry

Mastery in Organic Chemistry

[View more](#)

Accomplishments + Badges

Teacher of the year June 2016

Best even organizer- Team Blue March 2008

First finisher in 4 courses

Created 5 courses

180 People he follows 60 People follow him

Member of

Maharashtra Teachers Association (250 members)

Maharashtra Chemistry Teachers Only (250 members)

Maharashtra Chemistry Teachers Only (250 members)

Contributions 15 files

Filename.mp4 4 June '17

Filename.pdf 4 June '17

Organic Chemistry for Std VII ★★★★★ (2,367)

Organic Chemistry for Std VII ★★★★★ (2,367)

Last logged in: 10 Jul '17

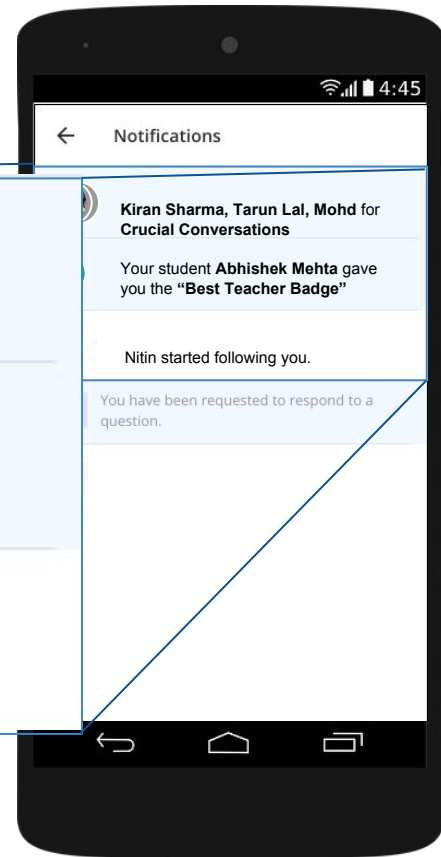
Digital badges and endorsements also possible

- Choose Training
- Select Training
- Schedule Training
- Take Training
- Certify
- Skills Upgraded
- Recognition**
- Identify gaps

 **Kiran Sharma, Tarun Lal, Mohd. Ibrahim and 7 others endorsed you for **Crucial Conversations****

 Your student **Abhishek Mehta** gave you the **“Best Teacher Badge”**

 Nitin started following you.



Skill gaps can be aggregated by geography, age etc.

Choose Training

Select Training

Schedule Training

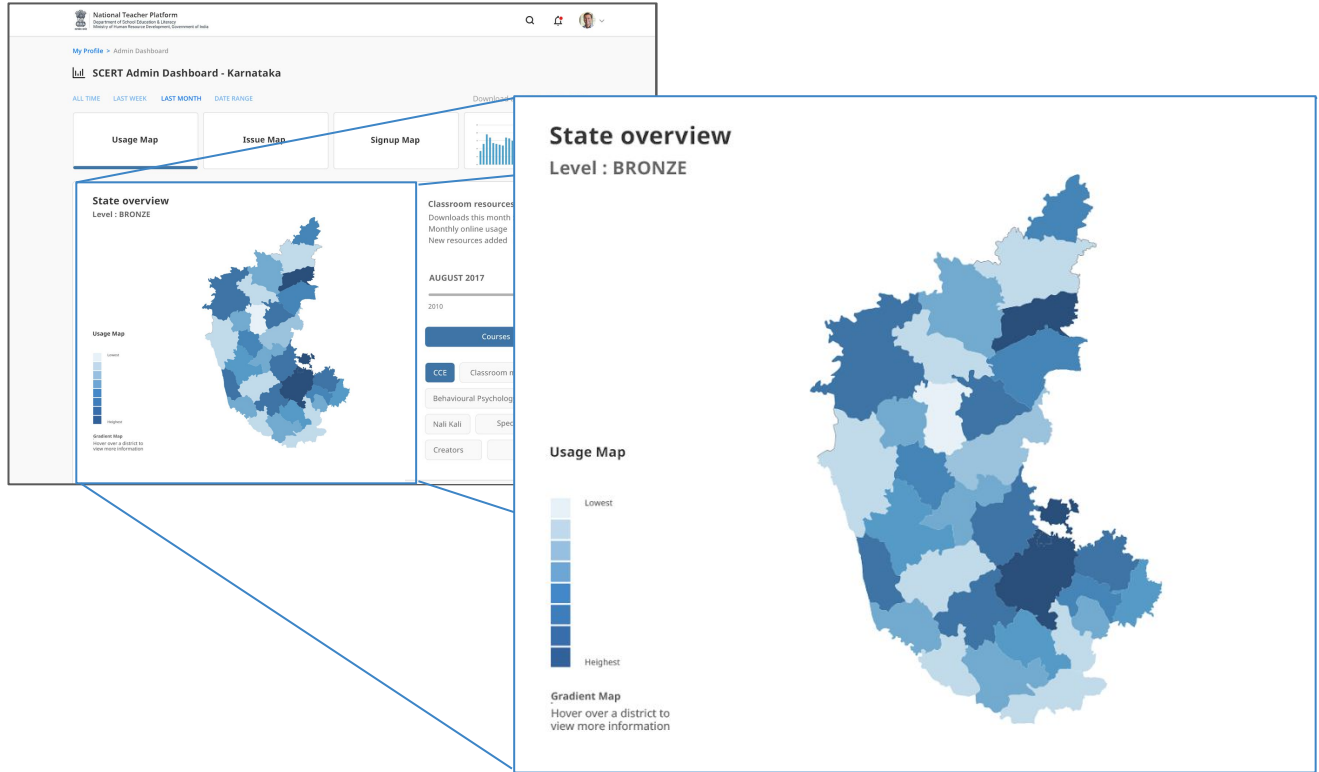
Take Training

Certify

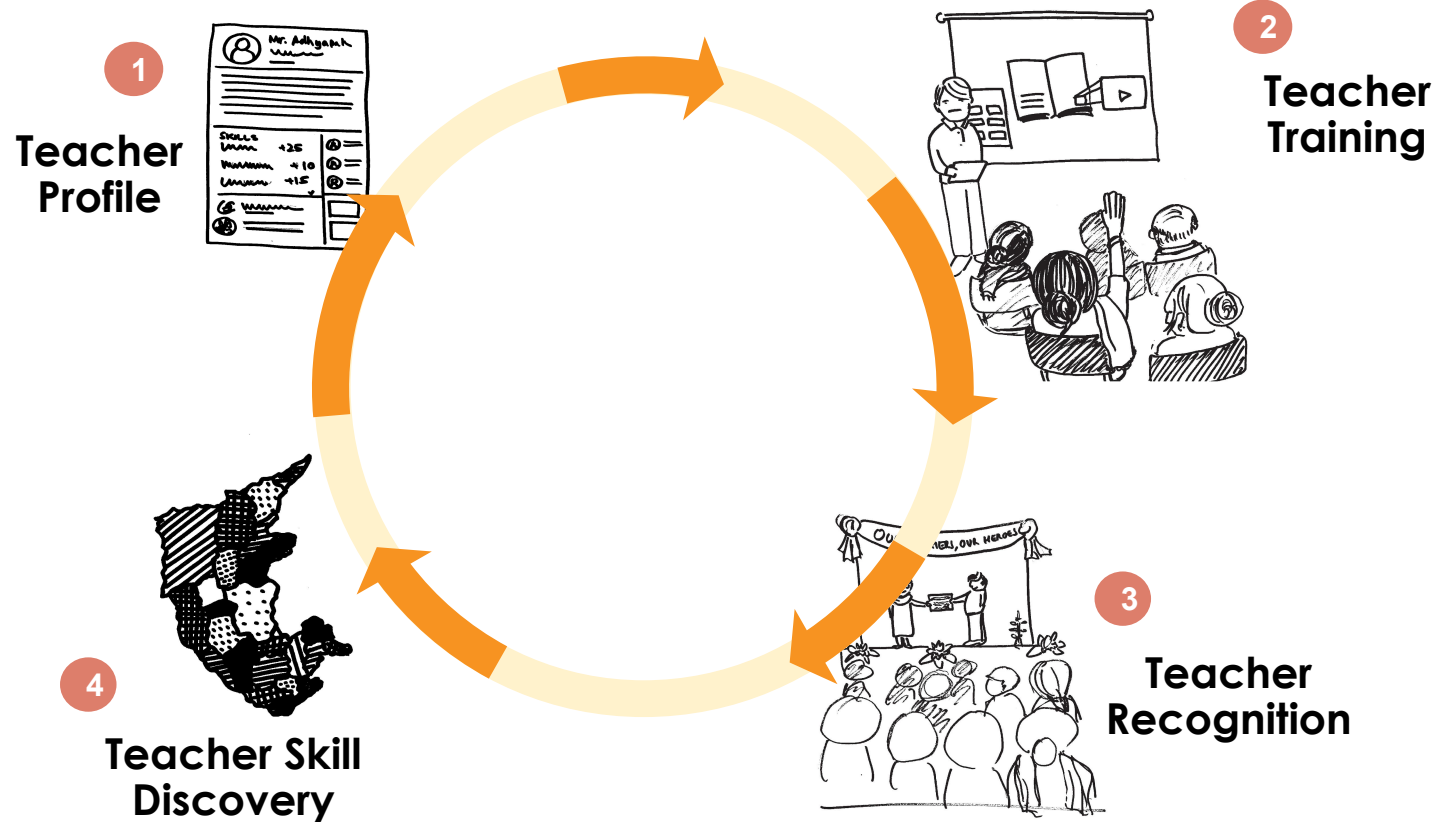
Skills Upgraded

Recognition

Identify gaps



Teacher Professional Development made efficient



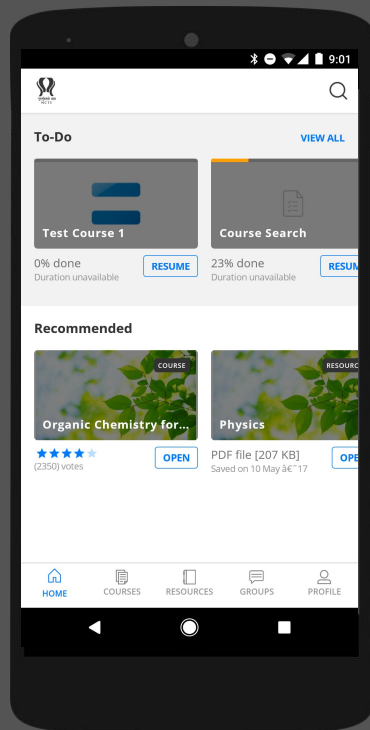
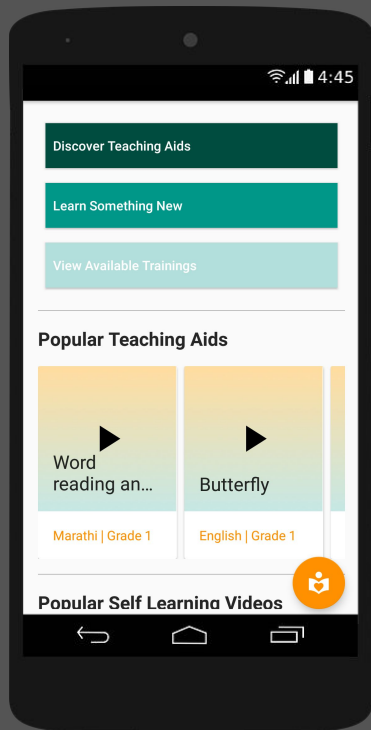
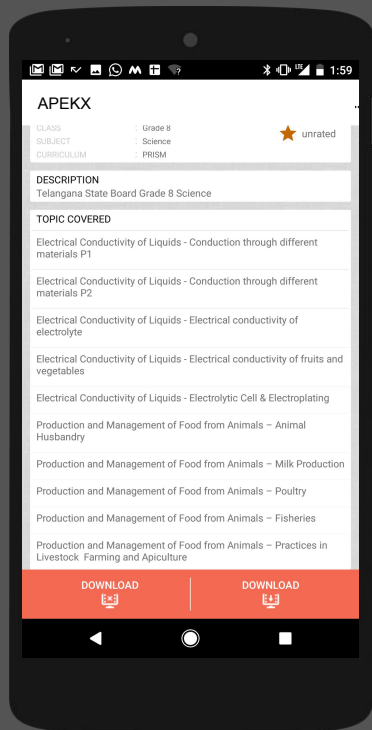
Ensuring Access to 12 Million Teachers



4

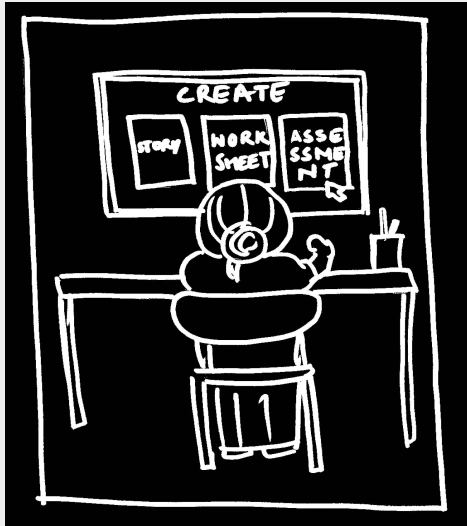
The scale and diversity in India pose unique challenges which can be addressed through the NTP tech platform

One app for all



While states have their individual identity, they are all built on the NTP Infra

Flexibility for content and branding – like in AP, MH & TN



National Teacher Platform

Powering
digital infrastructure
for education



TNNT
on Diksha



APeKX
on Diksha



MITRA
on Diksha

AP is linking its website to the NTP website

**ANDHRA PRADESH**
E-Knowledge eXchange
Education matters any time any where

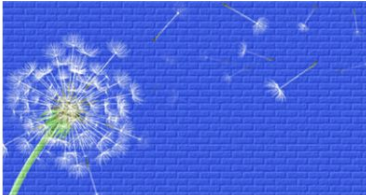

Sri N.Chandrababu Naidu
Hon'ble Chief Minister


Sri G.Srinivasa Rao
Hon'ble Minister for HRD


Commissionerate of School Education
Government of Andhra Pradesh

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 [Articles](#)  [Books](#)  [Lesson Plan](#)  [Forums](#)  [Research Work](#)  [Materials](#)



The Seeds that Spread across the network Establish Construction of Knowledge

● ○ ○ ○ ○

Welcome to Andhra Pradesh Subjects Forum పాఠశాల విద్యా విషయ సంపుటి

Hi Everyone, Click for Certificate of Registration

Welcome to AP Subjects forum Online Services, in pursuit of Quality in Secondary Education, the School Education A.P has carried many interventions, among them professional development of the teachers, use of technology for advancement of pupils learning are the major concerns of CSE A.P Amaravathi. In this direction the CSE A.P has thought of launching quality circles in every curricular subject in the form of APeKX. Thus the Andhra Pradesh e-Knowledge eXchange is conceptualized under CSE A.P. For wider dissemination of services of forum to the teachers and students".

[Read More](#)

Announcements

English Grammar and Style Online

One website for all

State Teachers Management Board

[Login / Sign Up](#)

[Home](#) [Courses](#) [Resources](#) [Community](#) [Profile](#) [Q](#)



Education for all organization came in to existence in the year 1966, has been conducting SSLC and other examinations. Every year the student strength is increasing tremendously.

Every year in April about 8.50 Lakhs & in June 1.50 Lakhs students are appearing for the SSLC examinations.

The board has decided to improve the evaluation system and the

[Read more >](#)

Featured Articles

Enrollment info for life skill training

Polytechnics information June 2017-2018

C-15 Academic Inspection Formats Annexures 1,2, 3 and 4

ABC Initiatives in practice

[View All](#)

Announcements

[Exam dates announced >](#)

I will write after this. This is the 2nd paragraph, which can lead to a long...

[Exam dates announced >](#)

I will write after this. This is the 2nd paragraph, which can lead to a long...

[Exam dates announced >](#)

I will write after this. This is the 2nd paragraph, which can lead to a long...

[Exam dates announced >](#)

I will write after this. This is the 2nd paragraph, which can lead to a long...

[View All](#)

Calendar

< June 2017 >

Month	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

• 16th June - Teacher's test results to be declared

Featured Courses

Organic Chemistry for Std VII

Here is a 2 line description about this course.

★★★★★ (2,367)

Organic Chemistry for Std VII

Here is a 2 line description about this course.

★★★★★ (2,367)

Organic Chemistry for Std VII

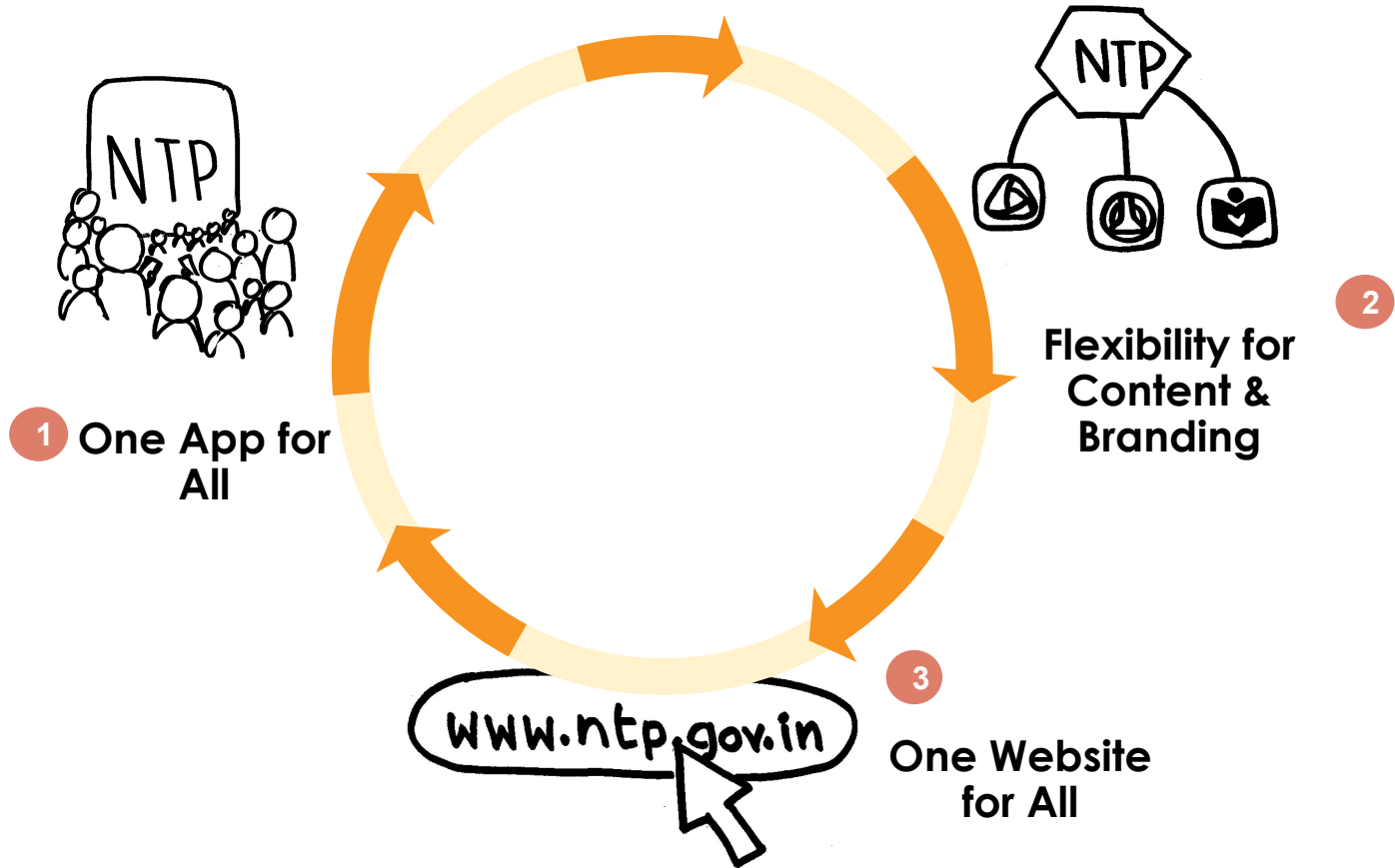
Here is a 2 line description about this course.

★★★★★ (2,367)

[View All](#)

47

Ensuring access to 12M teachers



Creation of Content

5

Collaborative content creation infra

Sun 1_Mar_11_प्राण्यांच्या गमतीजमत Add Activity Edit Lesson Details

मुलांनो तुम्ही प्राणी पहिले आहेत का?

या चित्रात कोणते प्राणी दिसत आहेत?



आपण घरात कोणते प्राणी पाळतो?

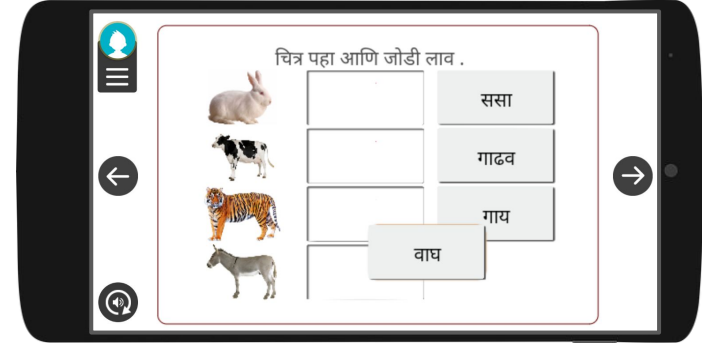
जंगलात कोणते प्राणी राहतात?

प्राणी ओळ.... Autoplay

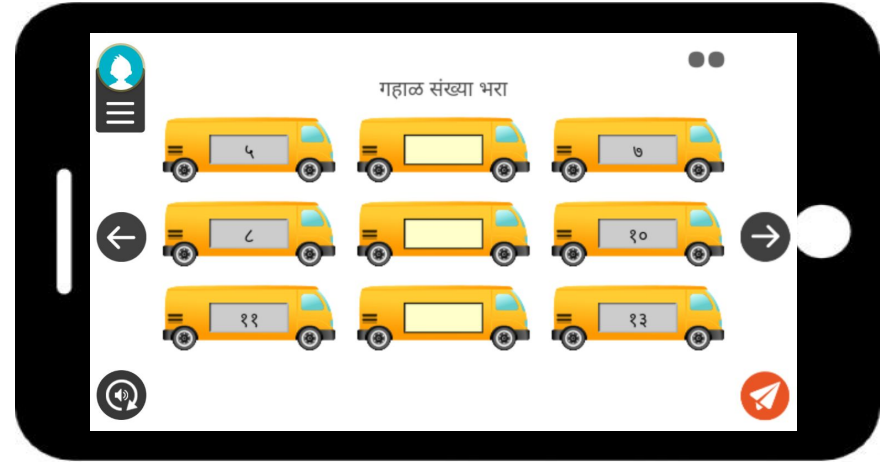
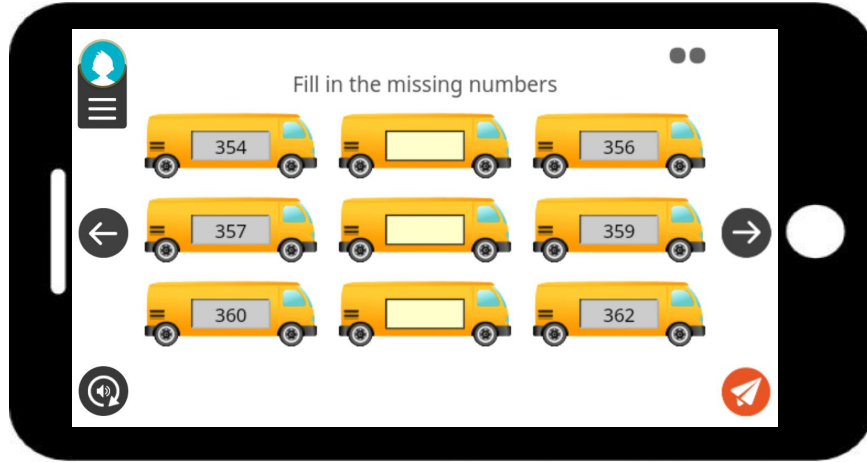
Community
contributed
rich toolsets

MH teachers have created textbook linked content ...

Artifact of marathi content



... translated expert worksheets to Marathi ...

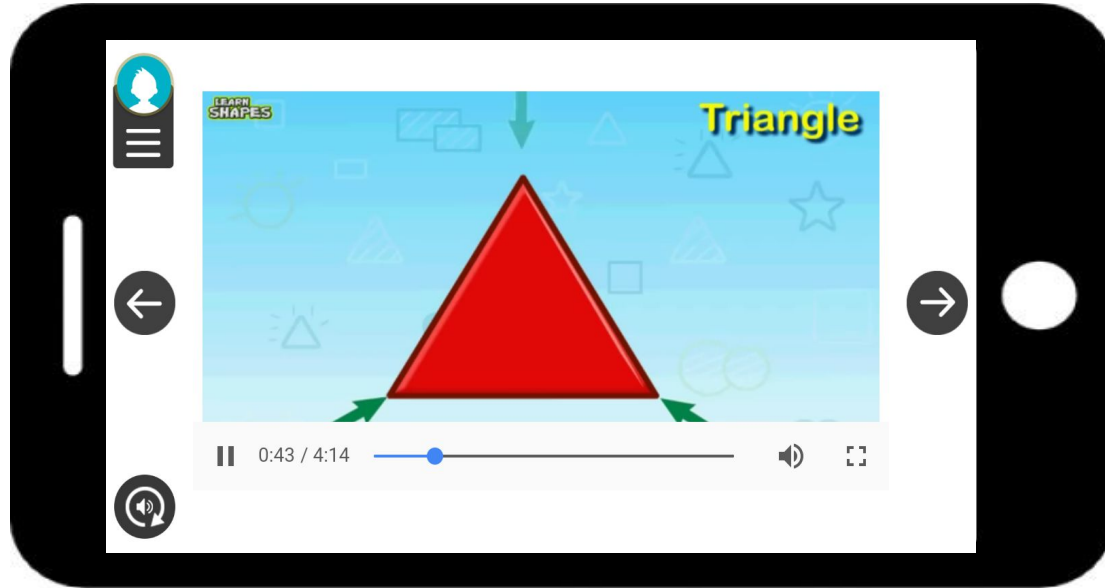


English



मराठी

... and linked relevant YouTube videos



Content creation workshops conducted across states



Maharashtra

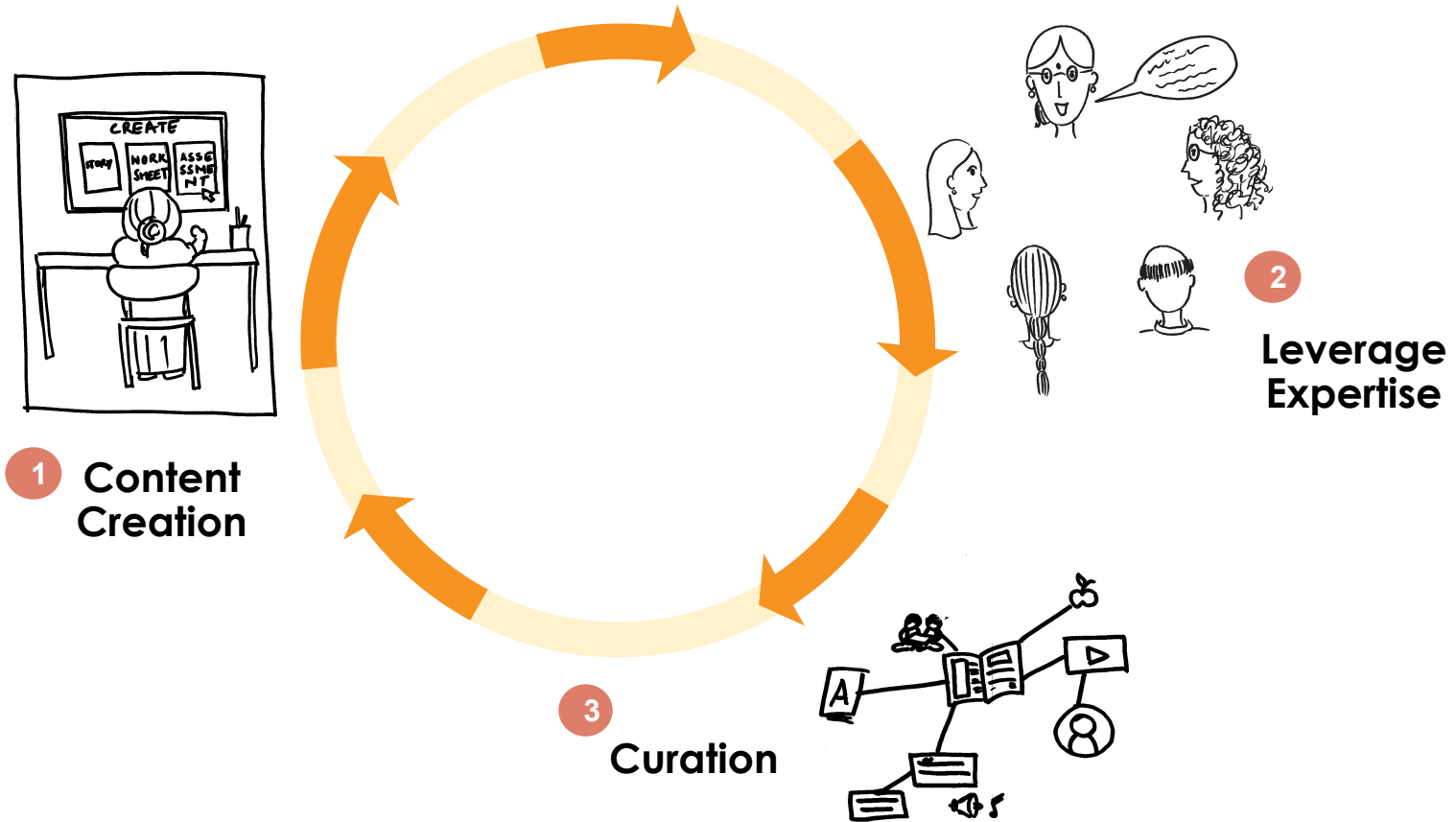


Tamil Nadu



Andhra Pradesh

NTP platform can enable repeatable content cycles



Further use cases created by collaborative imagination
and on-the-ground needs



?



?



?



?



???

A group of people are seated around a large conference table in a meeting room. The room has large windows with blinds on the left and a wall with various posters and charts on the right. A solid blue horizontal band is superimposed over the middle of the image, containing the text 'THANK YOU' in white, bold, sans-serif capital letters.

THANK YOU