My Journey to a National ICT Awardee Teacher

"Where there is will there is a way"

My Primary Education

Government Secondary School
Vivekanandapur
Little Andaman
Anadaman & Nicobar Islands

My Higher Education

Government Model Senior Secondary School
Hut Bay, Little Andaman
Anadaman & Nicobar Islands

Use of ICT during initial phase (2005 to 2008)

- Lab activities
- Teaching through powerpoint presentation
- Quiz application
- Best practices of school
- Educational games (C++)

Use of ICT during second phase (2009 to 2019)

Laptop

Only ICT tool available during early 2010 was laptop.

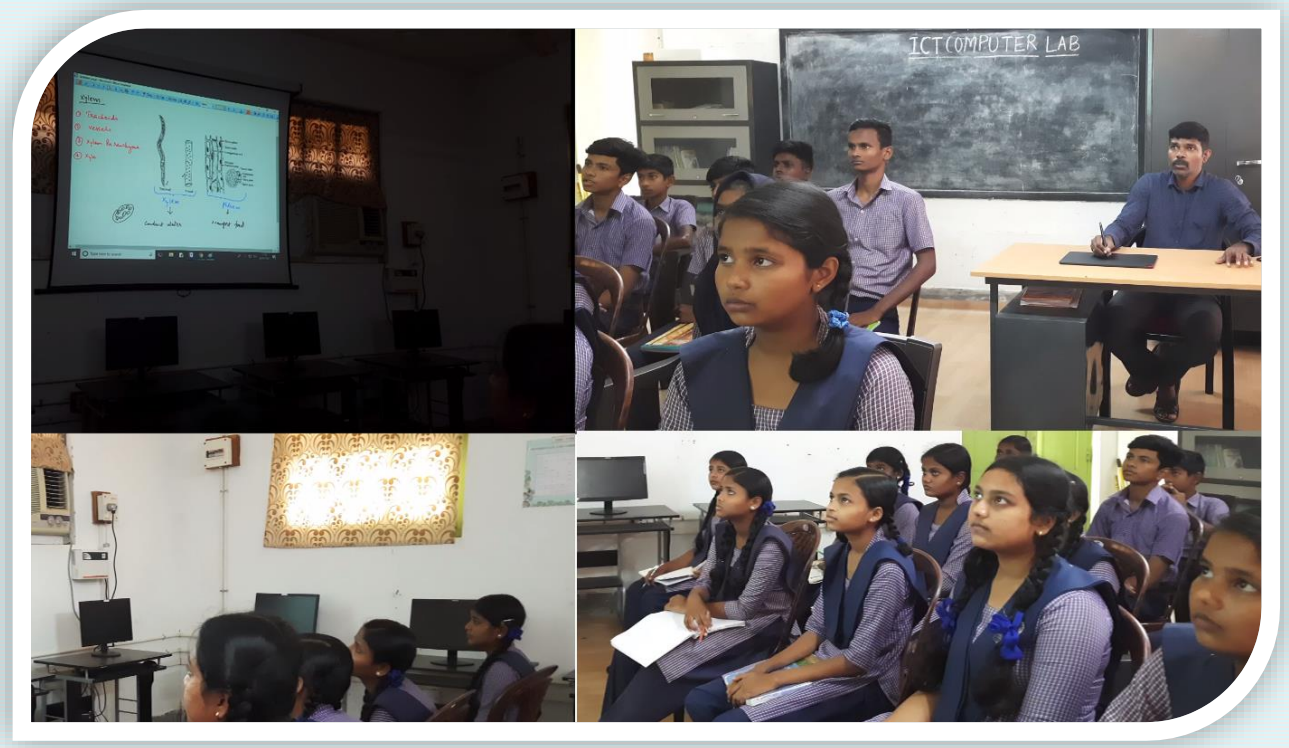
Use of Smart Class

Smart class was established first time in my school in the year 2016. Trainings were imparted on effective use of smart board to fellow teachers

Use of ICT during second phase (2009 to 2019)

ICT Lab

Well equipped ICT lab helped me to achieve desired output from my students.



GSSS RANGACHANG

Use of ICT in Teaching Learning Process

Digital Class

Integrating projector, Pen tablet with Microsoft Onenote software in teaching learning process being latest ICT tools that improved learning ability in my students.

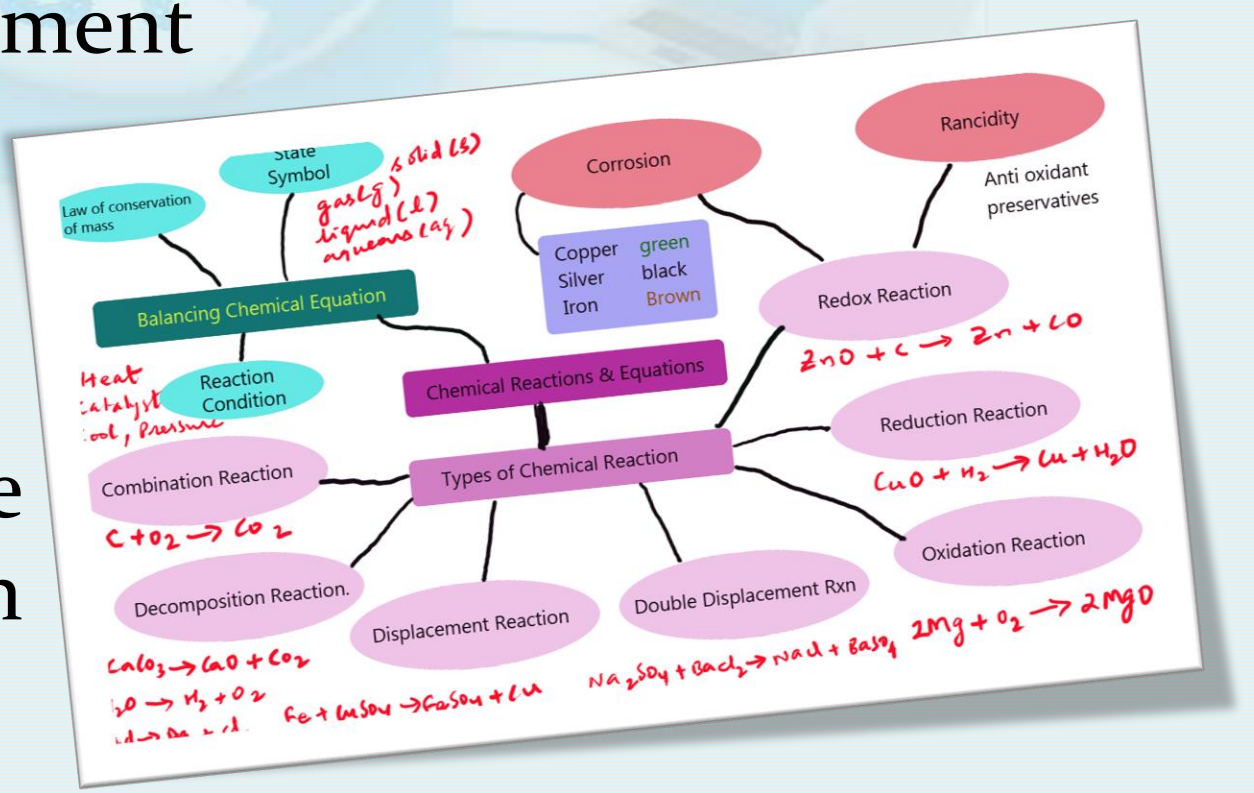
Use of ICT in Teaching Learning Process

Use of whatsapp

Whatsapp was used as a medium of sharing notes and assessment materials.

Use of Mindmaps

Mind maps always helped me to revise the entire chapter in short time



Use of ICT in Teaching Learning Process

Assessment and Evaluation

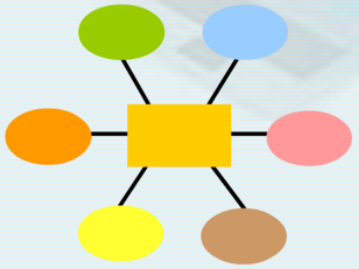
Various ICT tools have been used to assess and evaluate students performance. Some of the tools which I used:

- ✓ Flash Cards
- ✓Word search that my students really enjoy
- ✓ word puzzle
- ✓ Quiz

Link to concept map

Desktop Application

Students are creative in groups



Cooperative skills

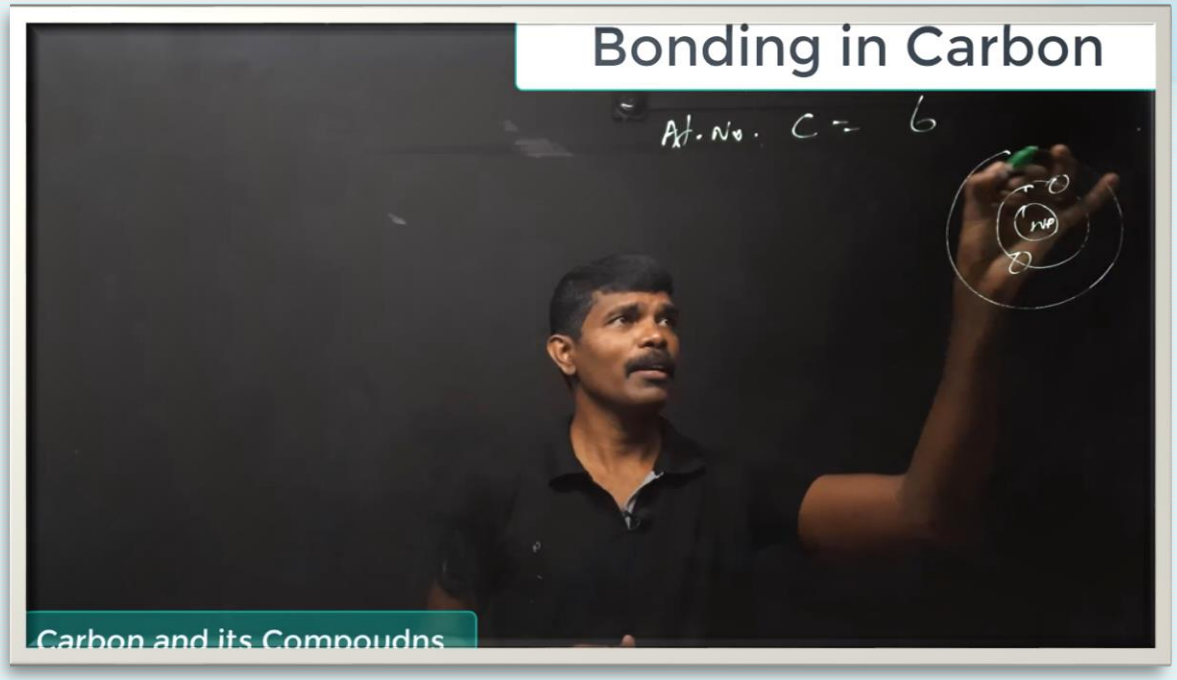
The students who will search more than 13 will be considered excellent.

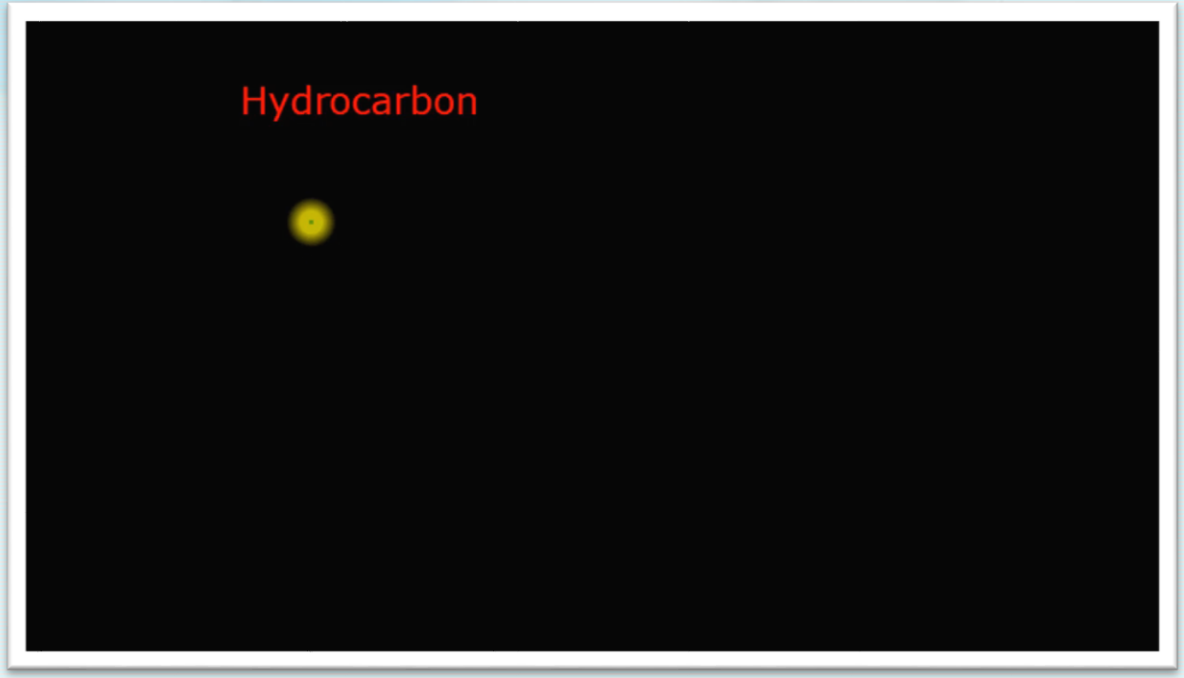
U	A	P	R	I	N	C	I	P	A	L	A	X	I	S	E	M	O	H	Y	D	E	R	M
M	Q	N	A	C	O	T	A	P	R	E	E	Z	E	P	A	S	K	U	L	R	S	C	E
K	W	O	P	S	I	N	V	E	R	S	T	E	P	S	U	R	F	A	C	E	E	R	T
Y	E	I	E	A	M	A	Z	G	E	R	F	R	I	C	T	I	O	P	O	U	N	Q	A
A	D	G	R	C	A	P	R	T	I	O	N	O	M	U	S	I	P	L	O	N	D	E	S
R	F	H	T	E	L	U	Z	R	C	S	P	N	C	E	F	M	A	S	D	G	T	R	P
S	G	H	U	I	C	R	I	U	S	U	N	I	O	P	U	O	D	T	O	T	I	U	H
D	H	U	R	F	F	A	S	E	U	B	E	P	N	E	G	R	C	A	I	Y	K	T	O
F	I	A	E	W	T	R	P	M	B	O	C	O	C	M	I	N	G	Q	N	H	J	A	R
A	O	D	S	O	L	L	L	A	S	I	I	H	A	E	K	U	H	W	R	N	R	V	A
A	L	E	I	D	F	O	R	A	T	T	C	M	V	J	T	G	J	E	A	M	O	R	N
O	W	G	U	N	A	T	O	S	C	C	M	A	E	L	U	E	K	R	W	O	A	U	P
H	P	H	M	L	M	E	U	E	A	I	E	L	I	O	J	A	P	F	E	L	A	C	I
C	R	H	K	E	H	R	L	U	N	F	R	A	R	C	A	N	P	G	S	A	I	Y	T
V	L	O	L	W	E	F	O	O	C	E	O	E	E	Y	T	E	O	U	P	S	H	A	T
I	J	T	R	O	E	T	N	L	O	D	N	T	H	S	O	V	L	P	T	L	T	N	C
J	M	Y	T	R	K	I	D	L	U	A	T	H	P	P	D	E	E	O	E	S	H	O	N
J	I	Z	R		I	L	O	E	S	P	E	A	M	M	S	N		I	U	Y	P	W	O
P	E	Z	O	R	D	M	T	A	S	L	C	N	O	O	M	G	V	I	R	T	U	A	L
I	O	C	M	A	O	B	P	H	I	I	N	T	K	K	O	D	E	T	U	B	A	E	I
C	A	V	E	L	I	G	H	T	M	S	O	R	R	E	T	A	G	S	O	B	L	T	G
R	M	W	A	Y	K	Y	Q	Y	P	R	L	O	I	L	D	R	A	N	P	I	E	M	E
M	L	E	R	T	R	E	W	X	T	E	S	P	H	I	A	I	M	B	E	R	E	A	U
E	R	N	U	X	E	V	N	O	C	M	E	O	T	S	E	L	I	S	T	R	A	X	M

My ICT Journey during Covid and Post Covid

Creation of video classes

Video classes had been created for class VIII to class X and telecasted through Doordarshan and local cable TV. More than 60 e-contents have been contributed to education department





Use of ICT in Teaching Learning Process

Social Media

Whatsapp being an important tool that connects quickly to the students. The following activities I usually practice through whatsapp

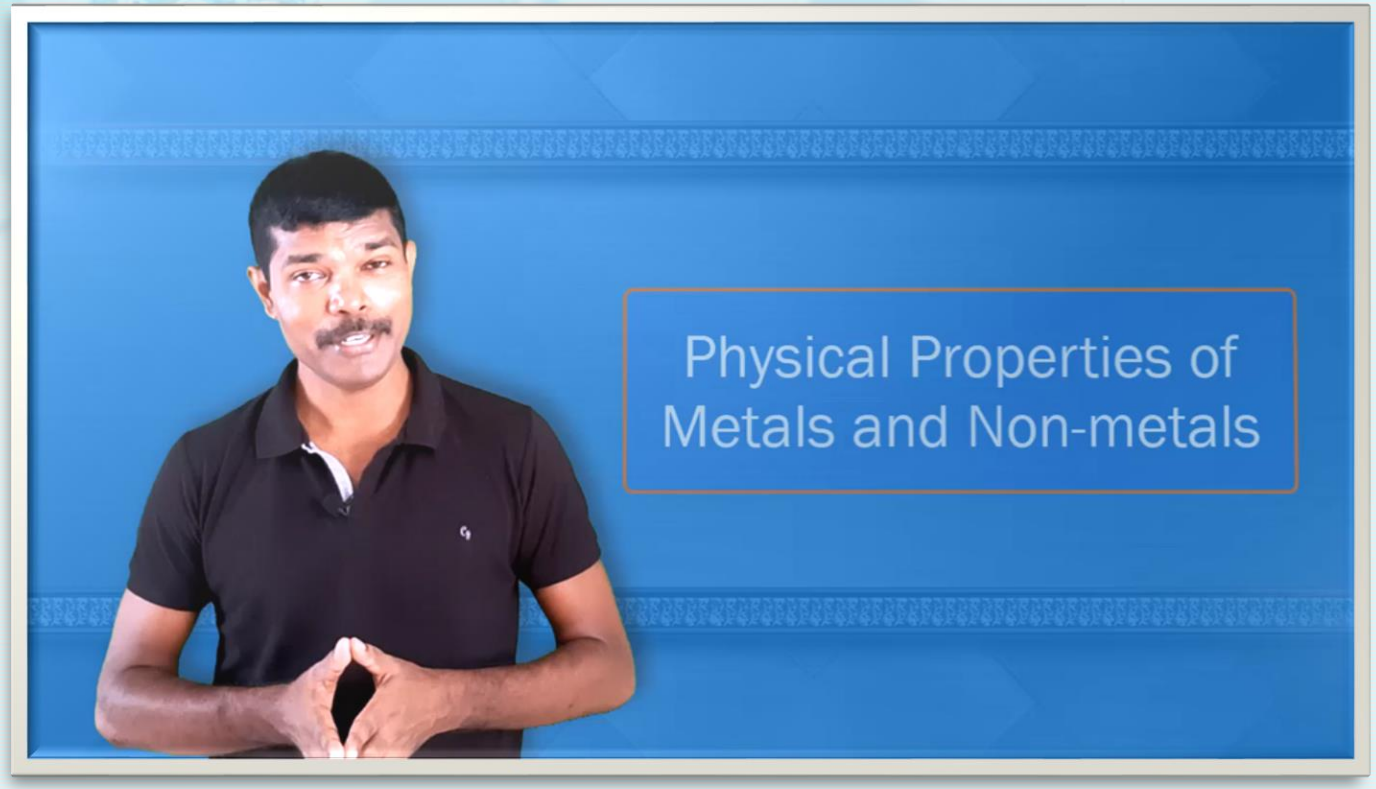
- Home assignments
- Peer work activities
- Doubt clearing through whatsapp chat
- Notes in pdf format/Google drive
- Sharing subject related videos
- Recording and sharing class room teaching
- Motivating students who perform well in class tests

Use of ICT in Teaching Learning Process

Online Learning Platform

DIKSHA

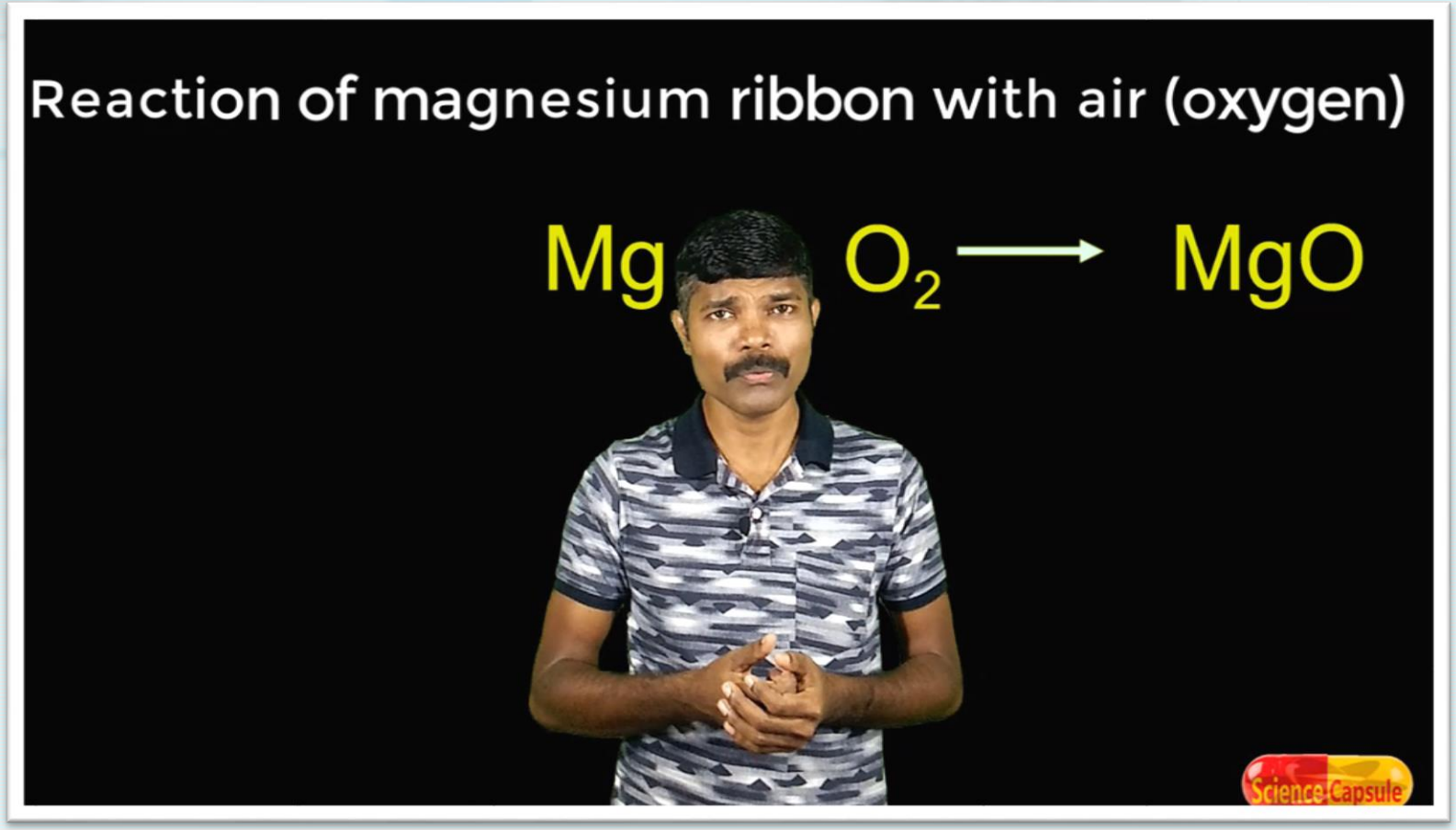
With my teaching skills, e-learning materials are shared on DIKSHA PORTAL so that the digital content is available to diverse students population. More than 50 e-contents have been uploaded in DIKSHA portal.



Use of ICT in Teaching Learning Process

Learning through Online platform

My dedicated efforts on technical skills helped me to create digital learning material and able to get available on my YouTube channel (ScienceCapsule) thereby benefiting a large students population.



Use of ICT in Teaching Learning Process

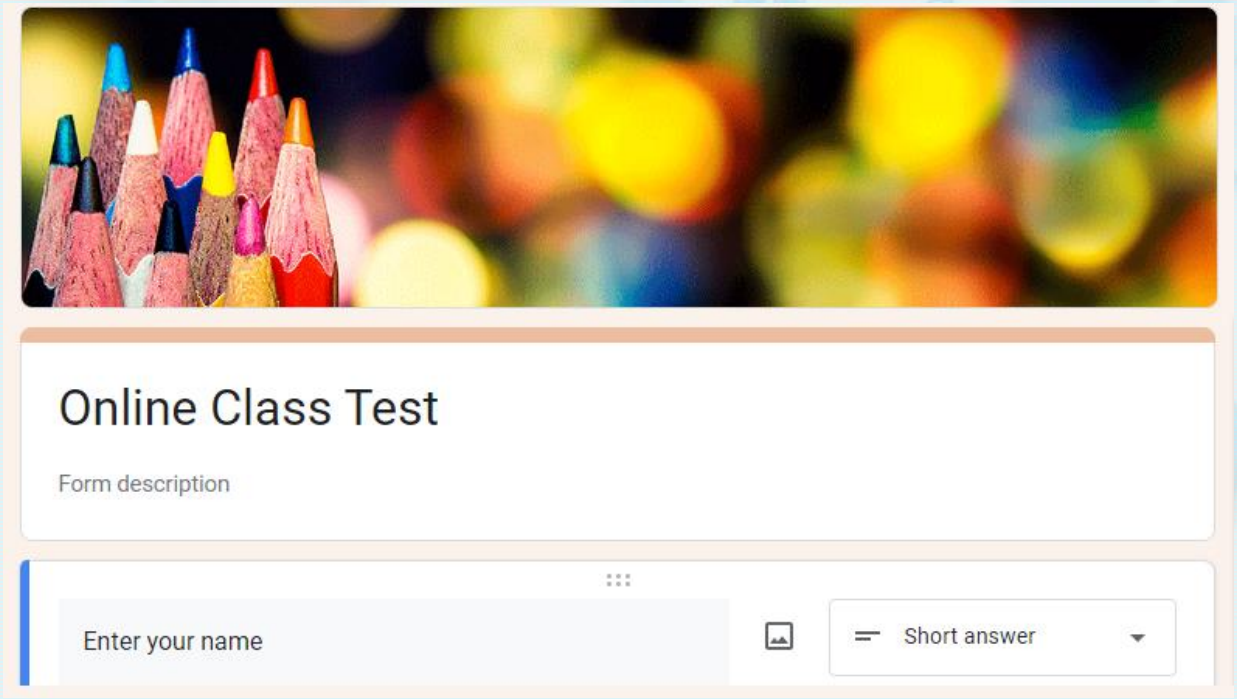
Google Meet

Network connectivity has got improved after the launch of CANI project (under sea optical cable). During lock down classes had been conducted through google meet.

Use of ICT in Teaching Learning Process

Use of Google Form

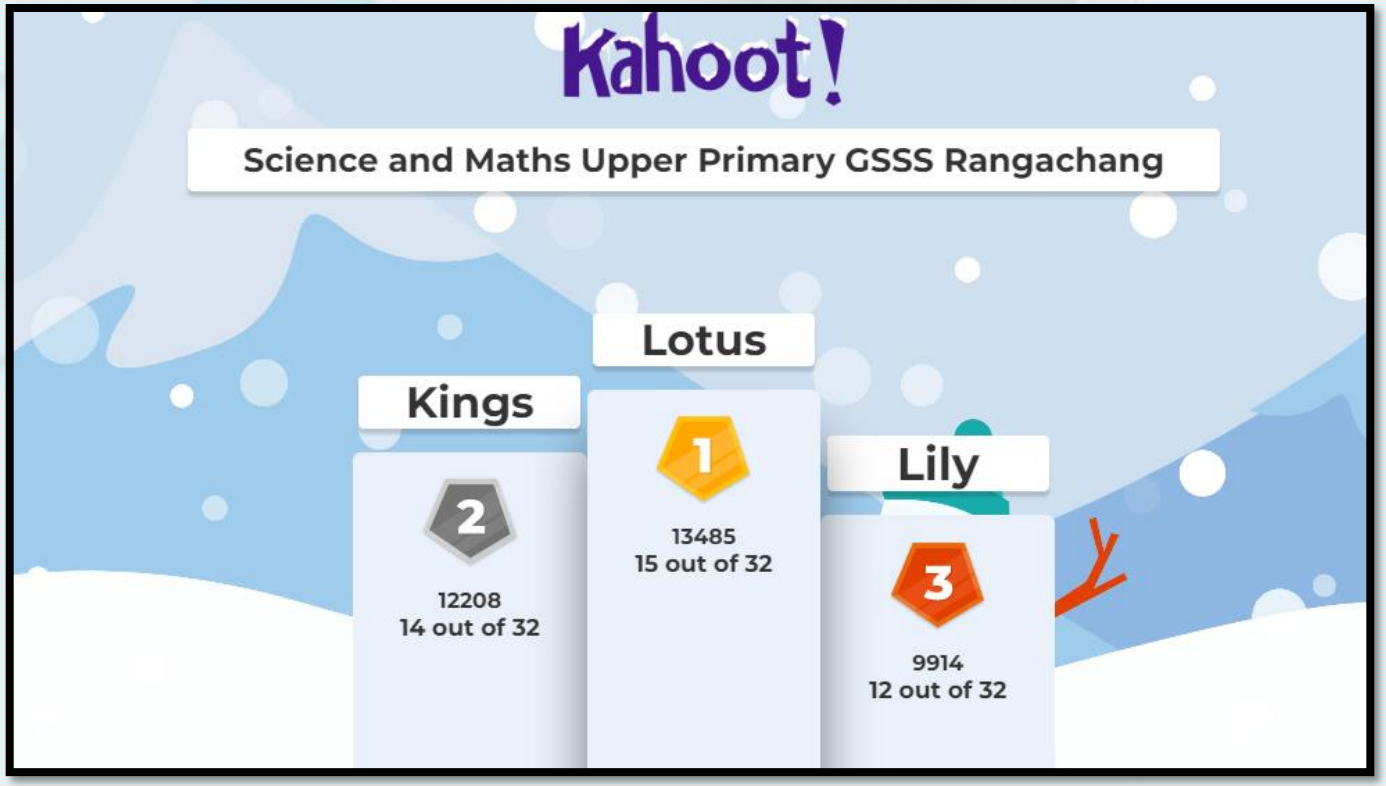
Google forms had been used as an advanced tool for assessment purpose.



Use of ICT in Teaching Learning Process

Online Quiz using Kahoot

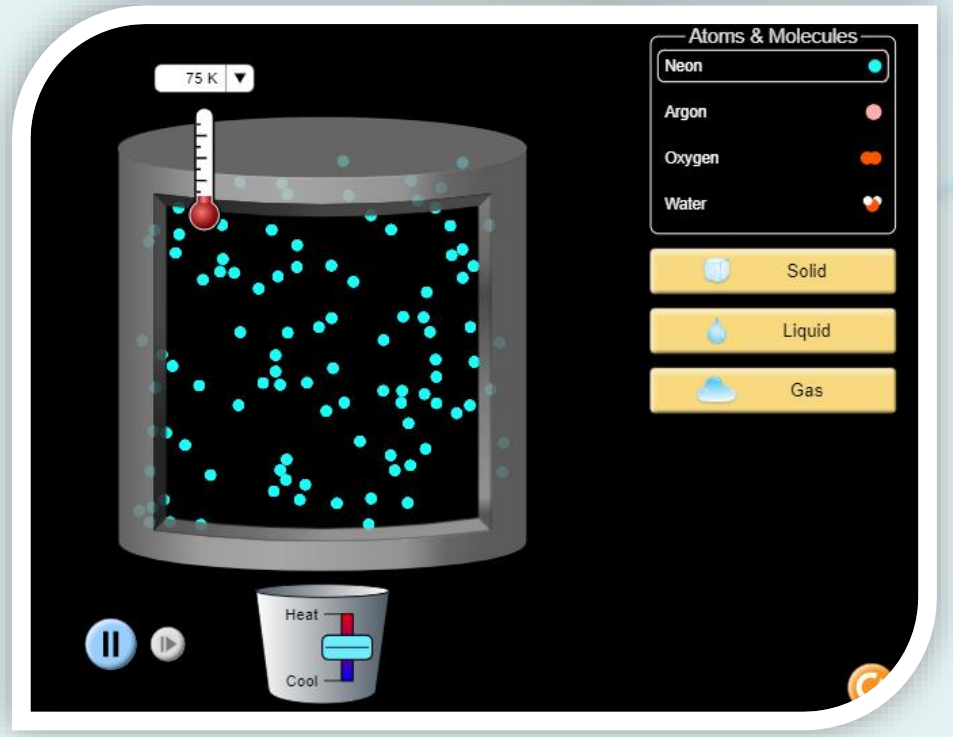
Kahoot has been an interesting assessment tool used in my class. Also various school level quiz competitions are conducted by using this online tool.

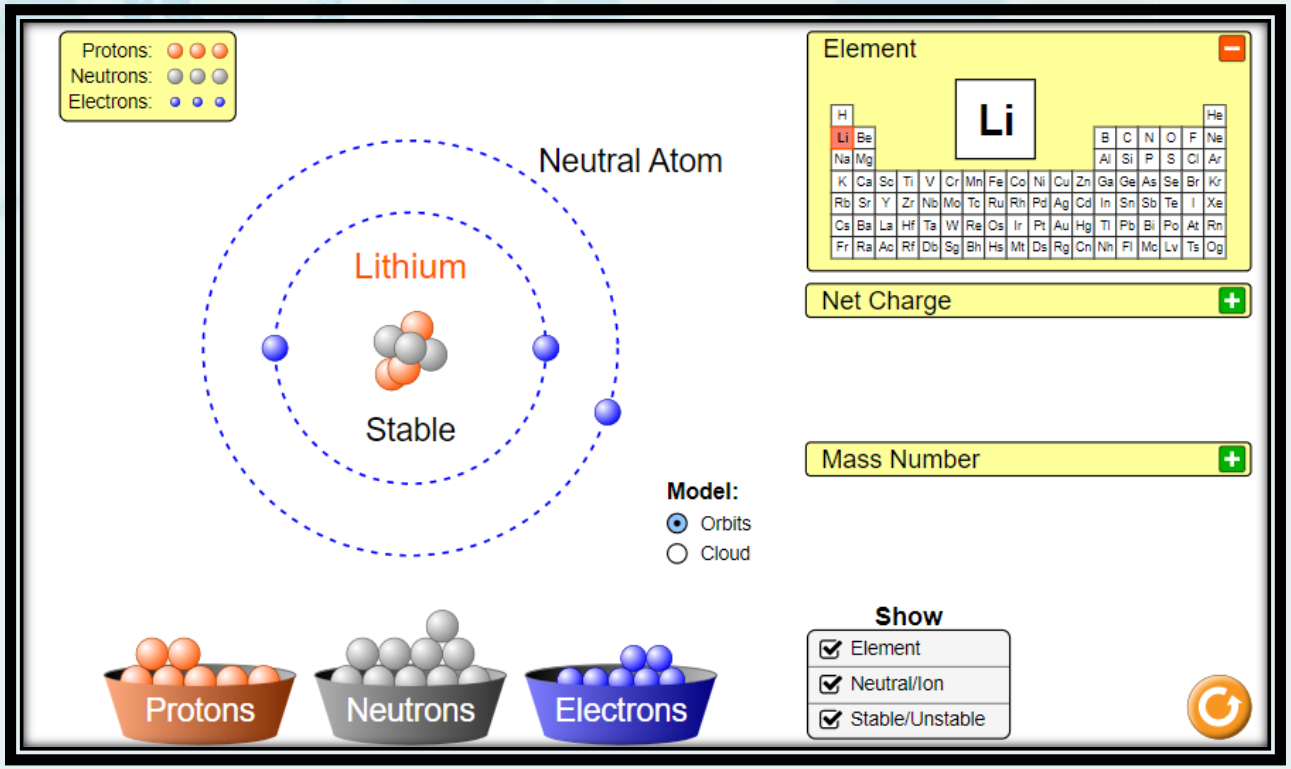


Use of ICT in Teaching Learning Process

Lab activities using GOLABZ and OLABS

Various online simulations and activities have been used for effective teaching.

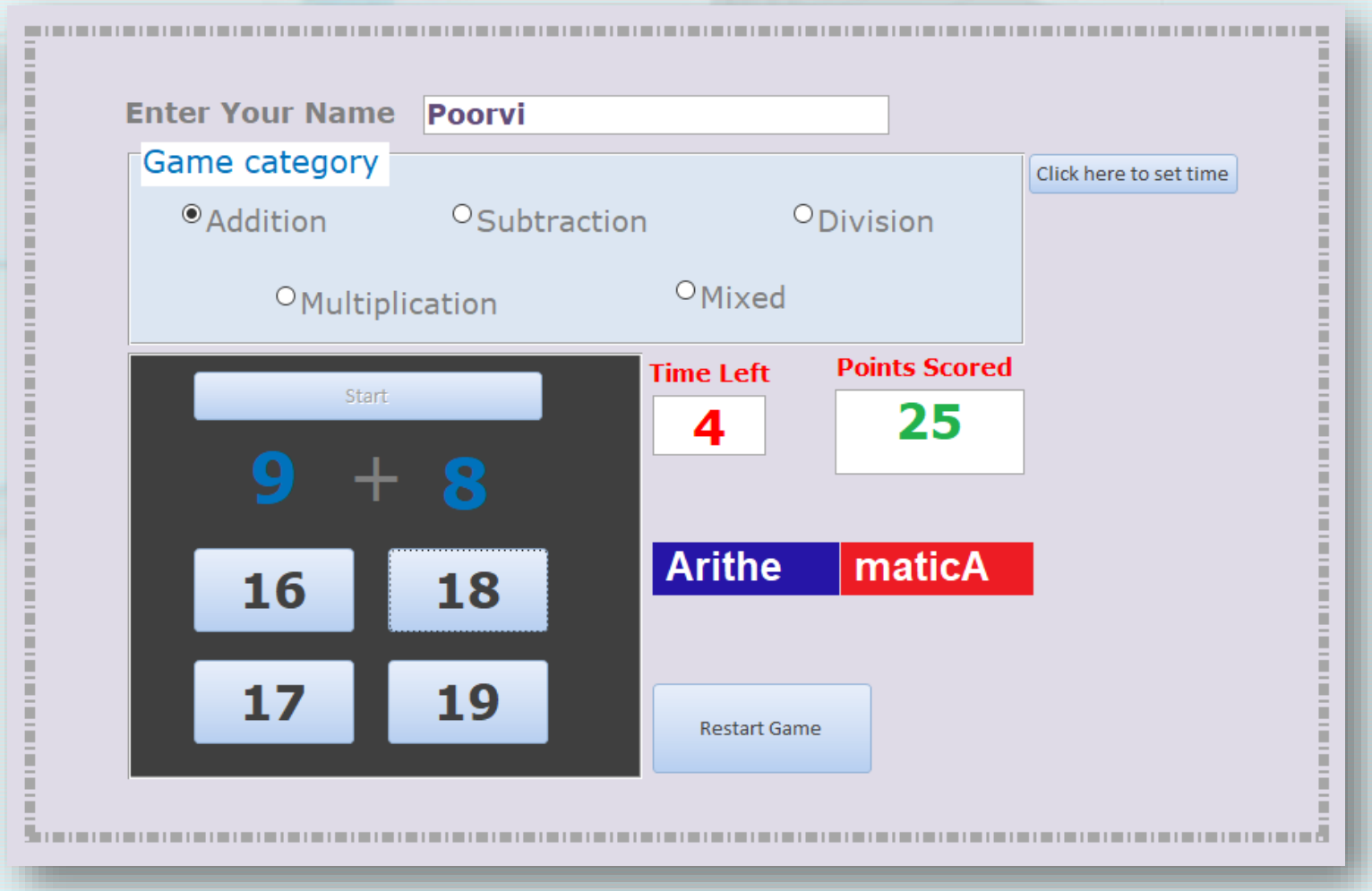




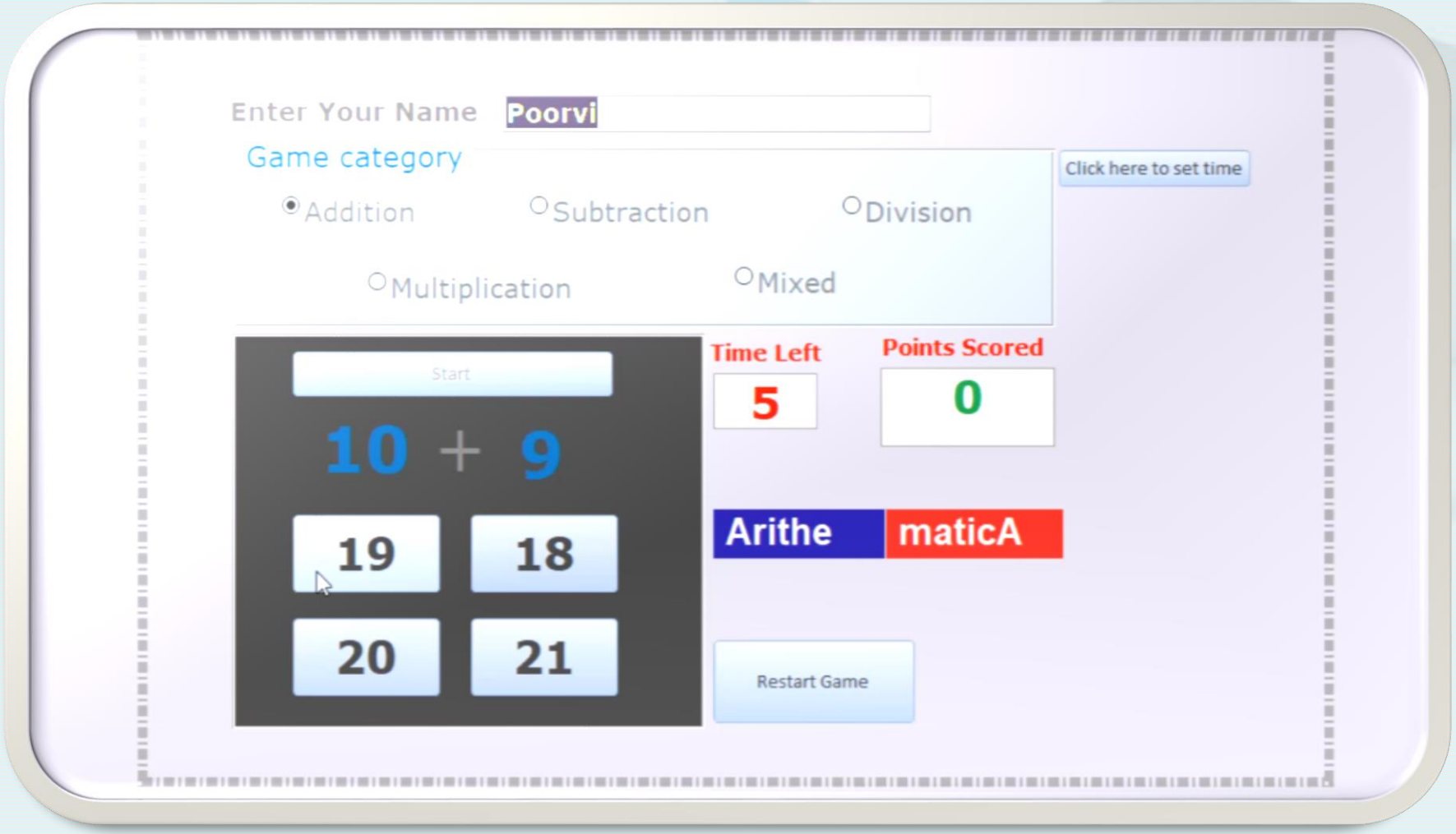
Use of ICT in Teaching Learning Process

ArithematicA

An interactive application has been developed to improve arithmetic skills in students. This application has helped students to acquire arithmetic skills through gamified learning.



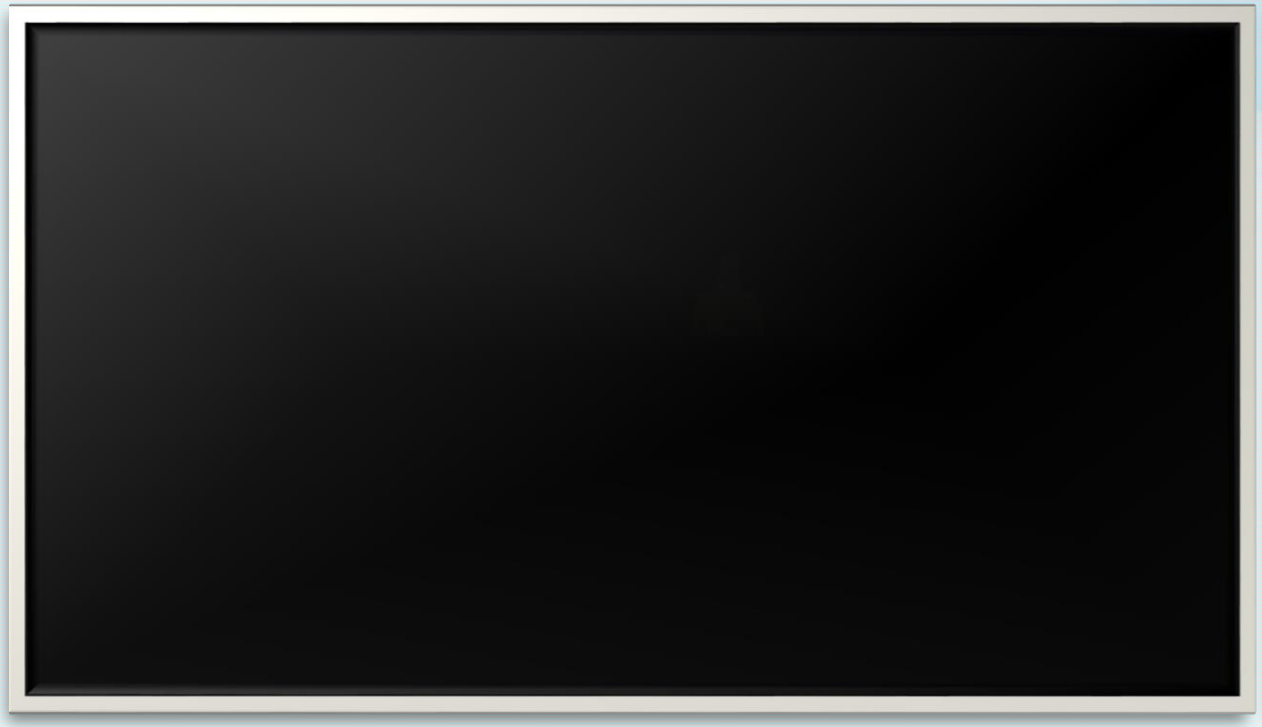
Demo video of ArithematicA

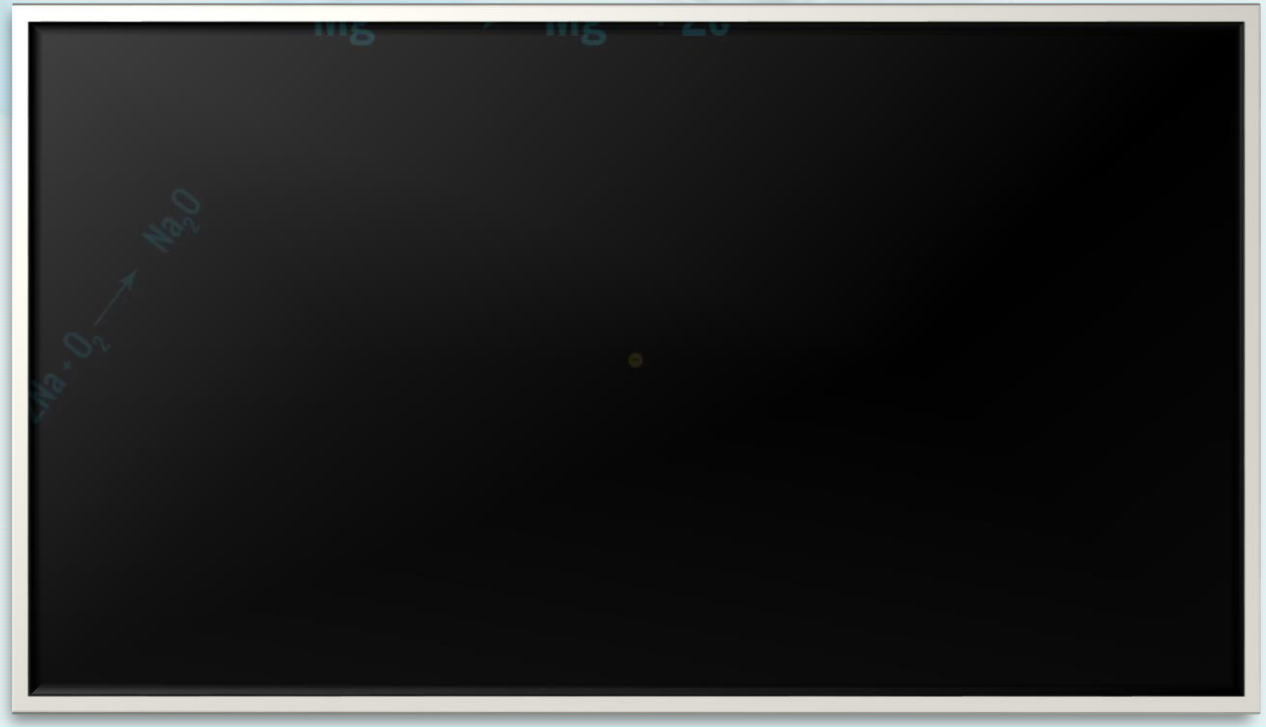


Use of ICT in Teaching Learning Process

Energised Textbook

I have contributed QR content both textual and video (animations and explanatory) for the department of education.

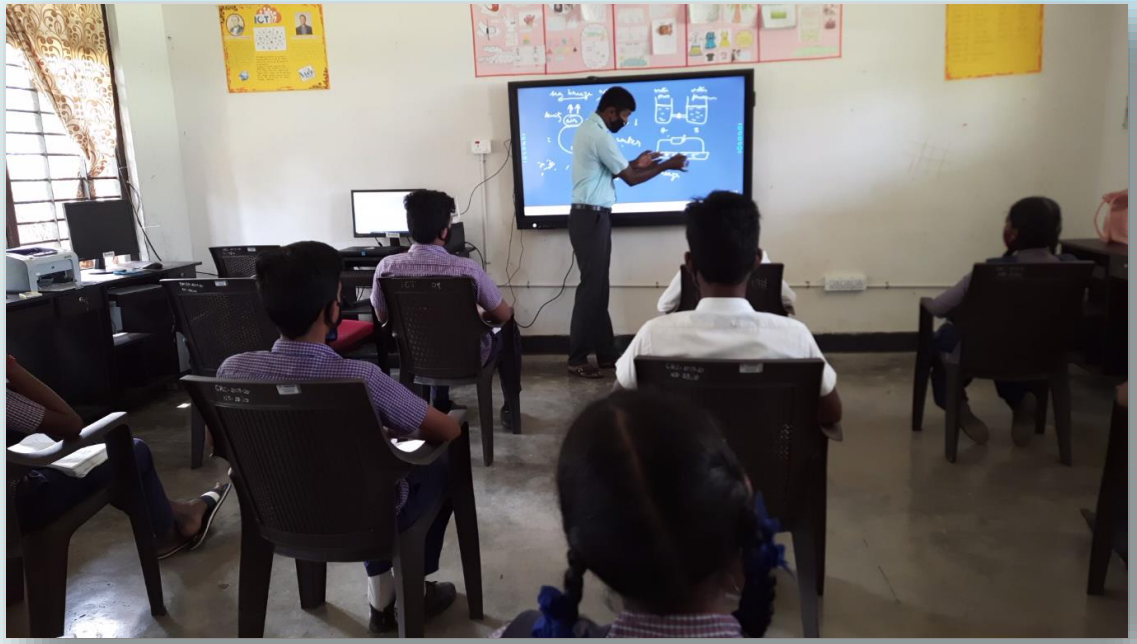


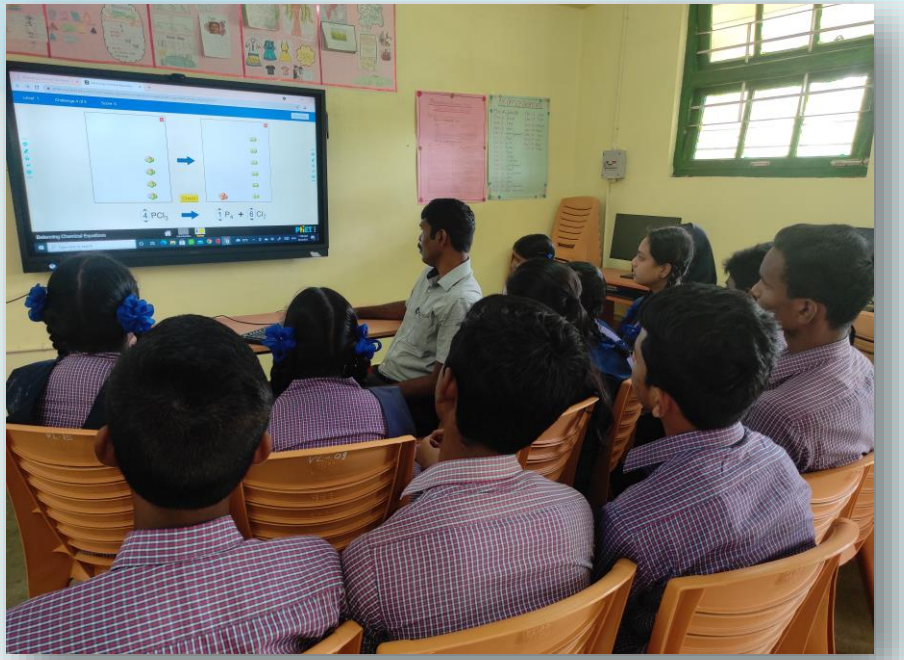


Use of ICT in Teaching Learning Process

Innovative approach using Smart panel Board

Under the initiative of Samagra Shiksha our school has got interactive smart panel board. Teaching learning process has gone much higher with the help of this board.





Use of ICT in Teaching Learning Process

Zero Period Innovation

A separate period has been allotted to mitigate the learning gaps during covid -19 pandmic

Government Senior Secondary School
Rangachang

स्वच्छ भारत
एक कदम स्वच्छता की ओर

Zero Period Innovation

"A unique way of serving students to shape them for better future"

Aims of Zero Period Innovation (ZPI)

- ***Provide fundamental educational needs and addresses learning loss.***
- ***Convert thoughts into sentences***
- ***Improve in vocabulary***
- ***Efficient in arithmetic operations***
- ***Solve day to day life problems based on arithmetic skills.***

Basic structure of
Zero Period Innovation (ZPI)

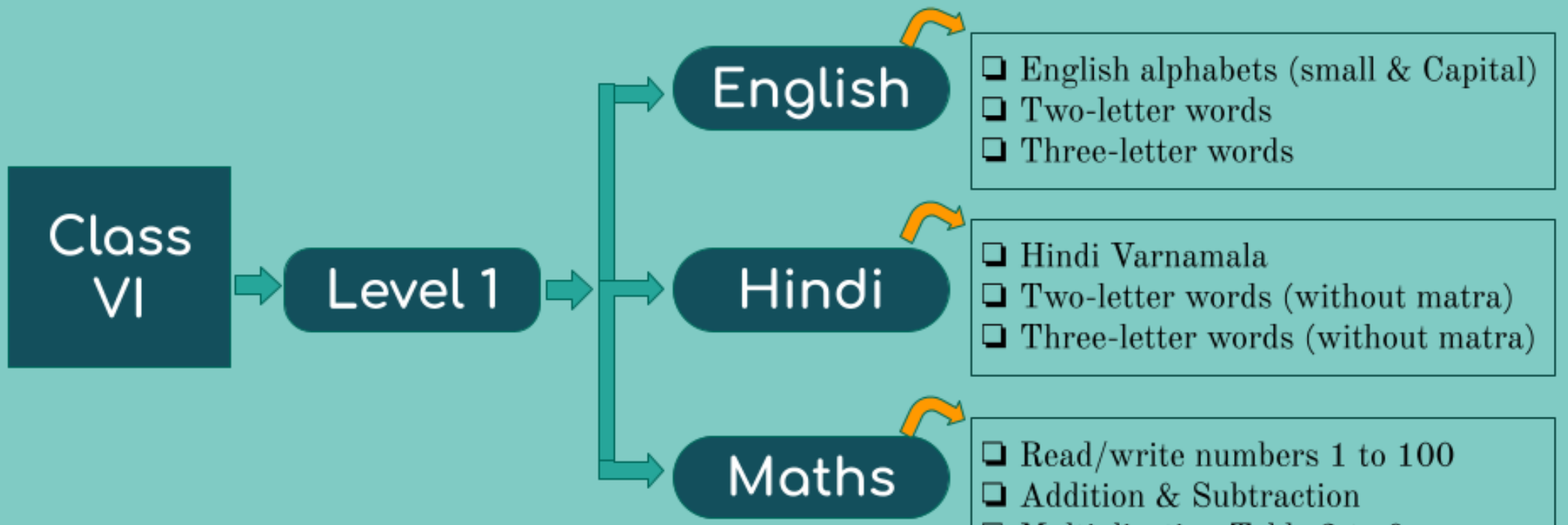
Basic Needs and addressing Learning Loss

Level 1 → Level 2 → Level 3

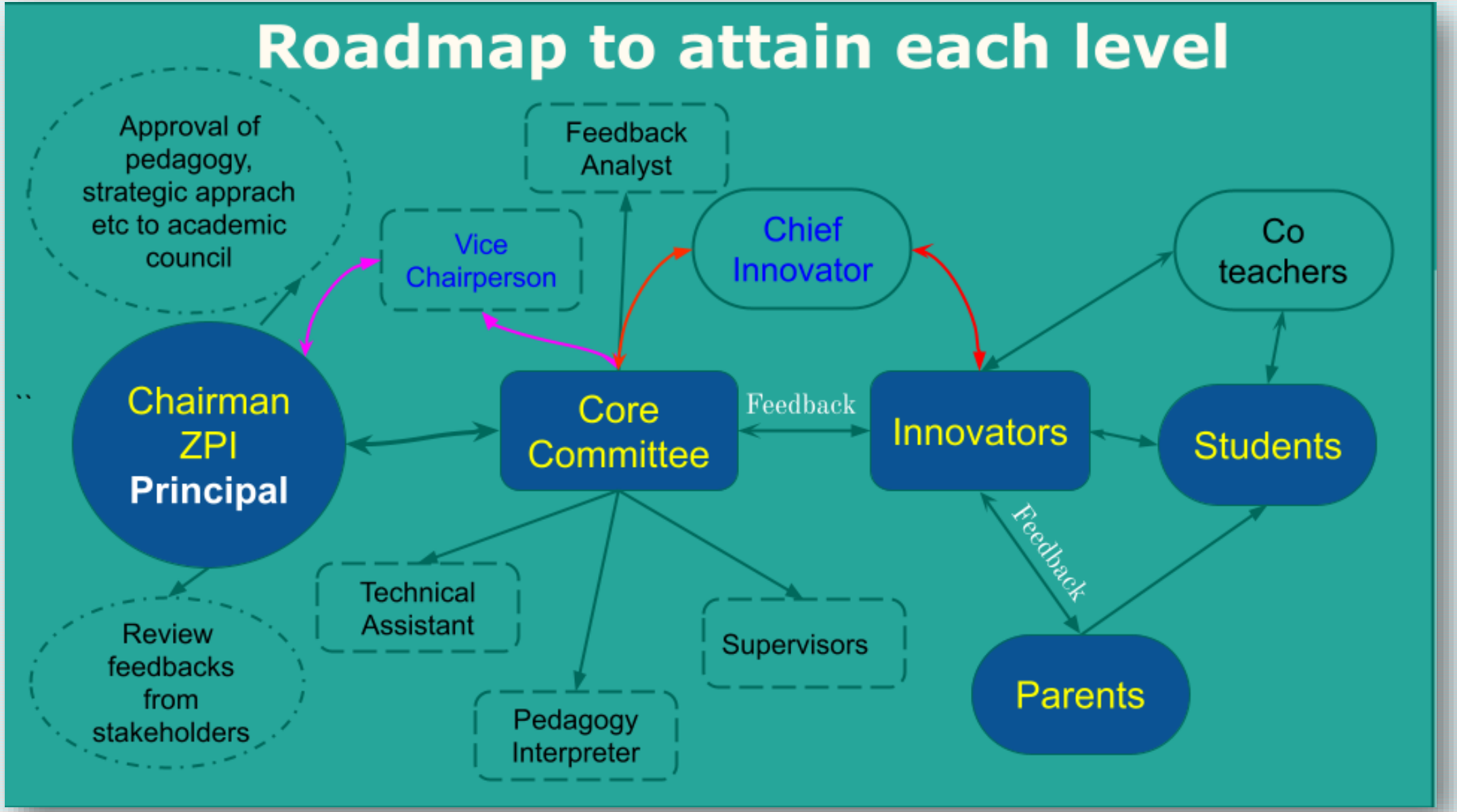
↓

Learning Outcomes prescribed by NCERT

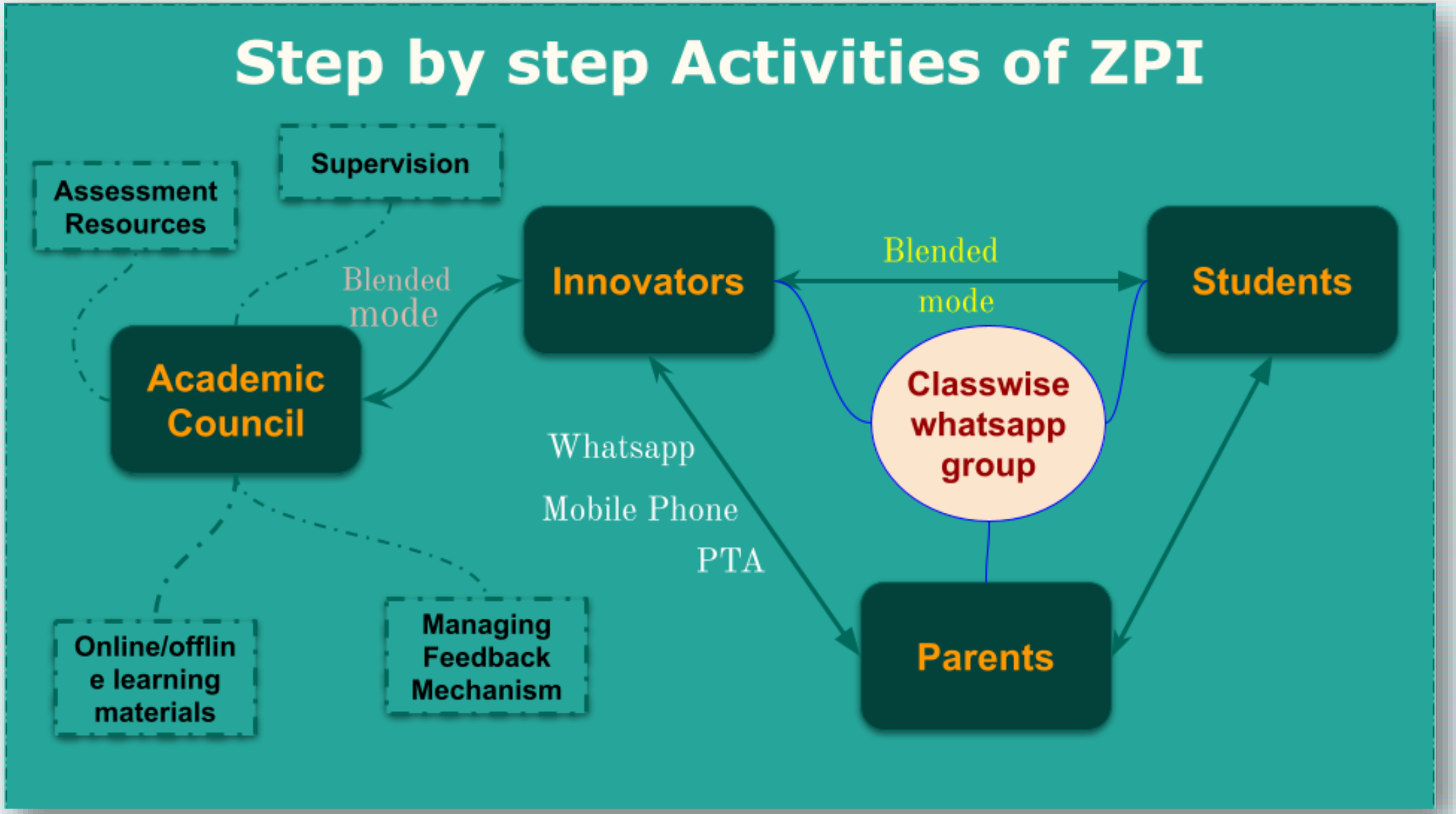
Strategic approach
Zero Period Innovation (ZPI)

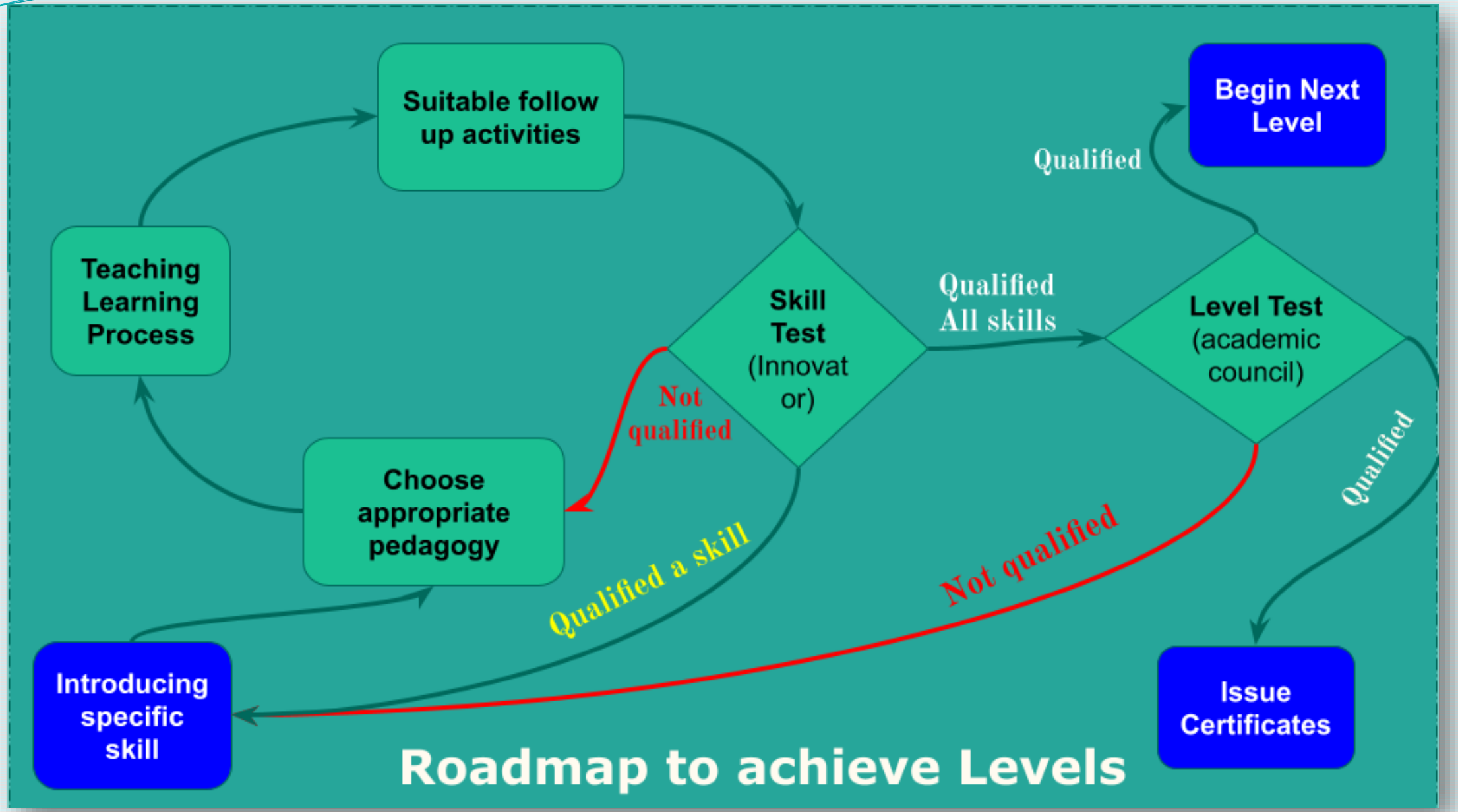


Roadmap to attain each level



Step by step Activities of ZPI

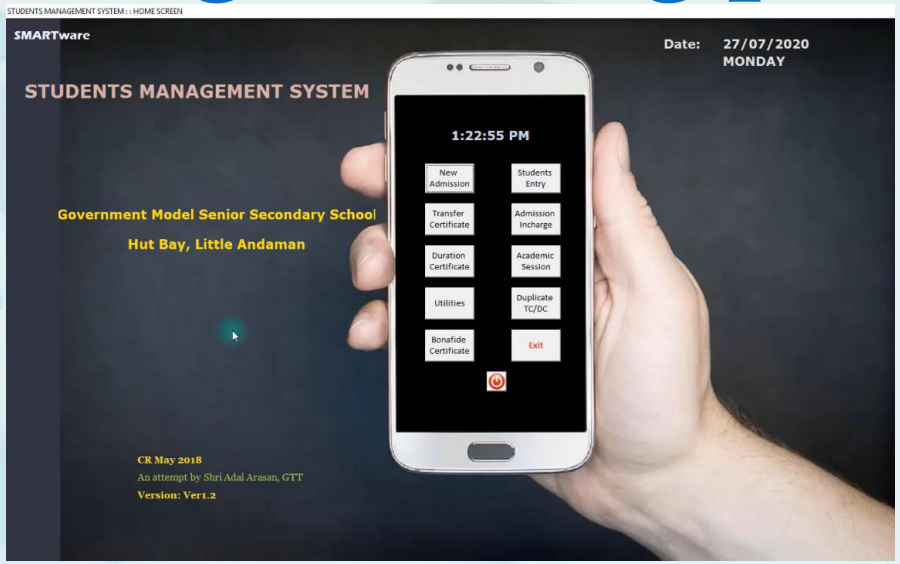


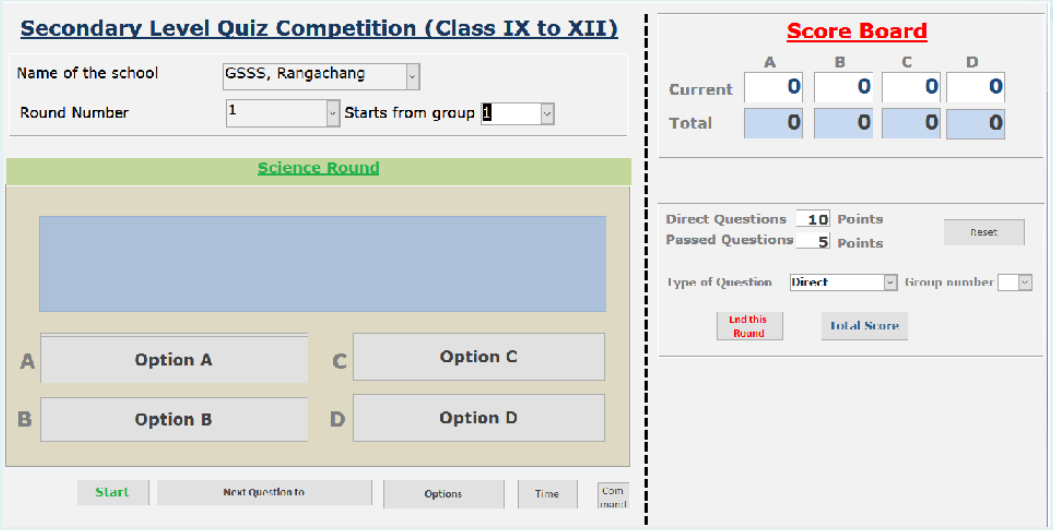

Introducing specific skill
Choose appropriate pedagogy
Teaching Learning Process
Suitable follow up activities
Skill Test (Innovator)
Not qualified
Qualified a skill
Qualified All skills
Level Test (academic council)
Qualified
Begin Next Level
Not qualified
Qualified
Issue Certificates
Roadmap to achieve Levels

Use of ICT other than teaching learning process

Smartware

I have developed a desktop application for students management





Quiz programme: An interactive quiz application have been developed for the school which was found to be very useful in conducting quiz competitions in school on various occasions

Use of ICT other than teaching learning process

Documentary videos of school activities

Best practices of my school are compiled my me. Best practices such as kishori club, eco club, vocational education, civic amenities etc.

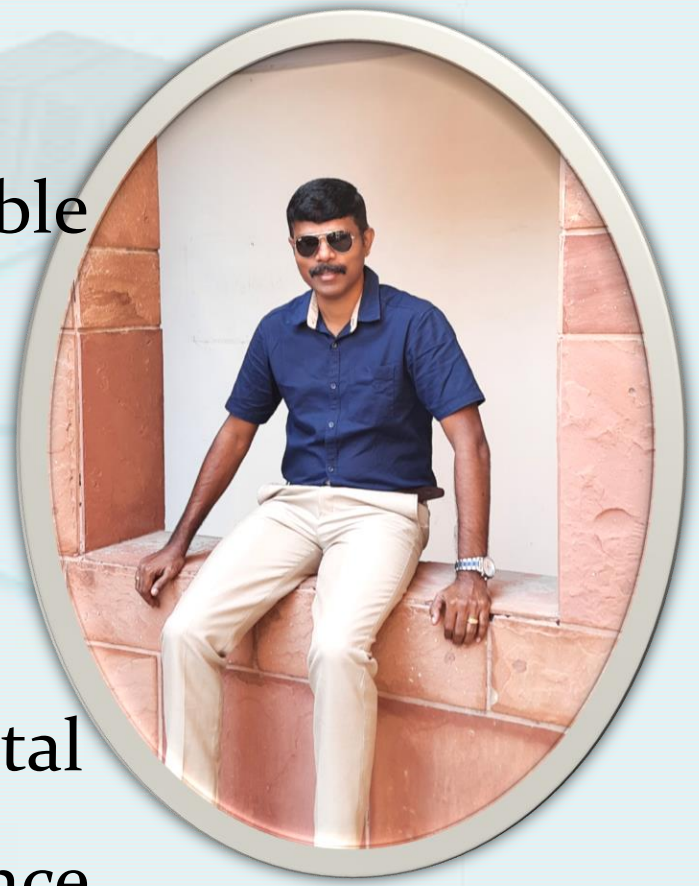
Trainings and workshops

- Teachers were given trainings on various ICT tools such as using Google meet, effective use of smart board etc.
- Trainings on cyber safety has been given to teachers of South Andaman and my school teachers and students
- Workshops were conducted for DIET students using latest ICT tools
- Teachers were given training on how to create effective video content

Challenges faced while integrating ICT in Education

- Non availability of resources such as projector, digital materials etc
- Poor internet connectivity
- Lack of awareness on ICT tools
- Lack of trainings on use of ICT tools (word processing, spreadsheet, audio and video editing, animations etc.)
- Access to digital devices by students

My future plan



- ArithematicA application would be made available in mobile application.
- Create digital repository (Subject wise)
- Create AR and VR content
- Contribute more quality e-content to DIKSHA portal
- Create QR based supplementary ebook for science subject (Class IX & Class X.

Technology will not replace teachers, but teachers who adopt technology will replace those who do not