My ICT journey
2012 - 2023

Presented by,
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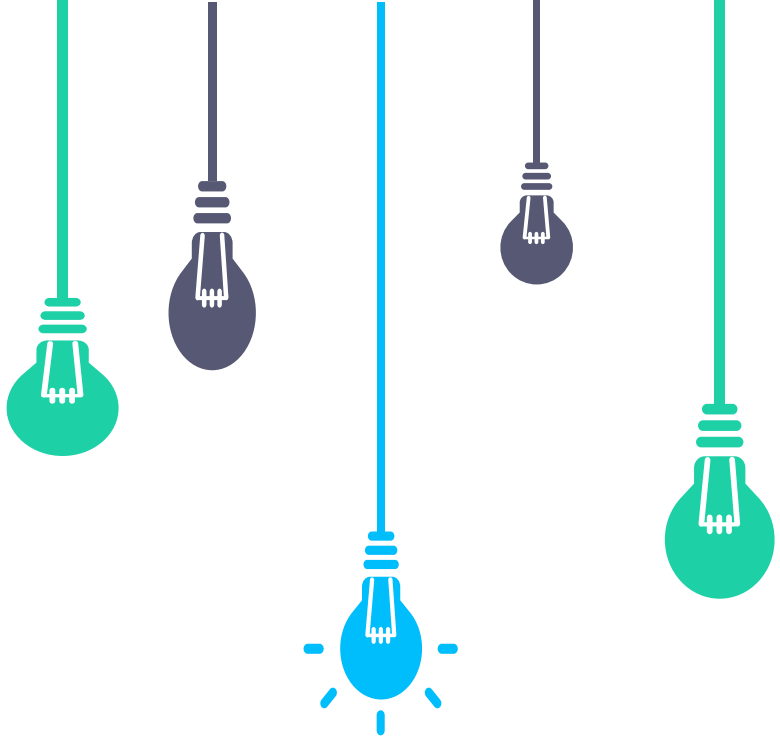
My contributions

1) **Teacher** – 100% result
2) **Author** – class -1 English Text book – SCERT
3) **E-Content creator** – 200 videos (for TN text books)
4) **Digital contents** – 750+ (interactive, editor, animator, VR artist, audio lessons, etc)
5) State level **ICT Trainer** for teachers handling class -10 and Primary classes
6) **Script writer** for Teaching of English via Phonetic method
7) **Editor** – State run KALVI TV
8) **Module developer** - Hi Tech lab module
9) Digital lessons in Youtube - **Youtuber**
10) Microsoft **Innovative Educator** – education.Microsoft.com

My journey as a teacher and E-content creator

- Started Teaching career at 2010.
- Joined in a government school at 2012. Many of the students find it difficult to read, even in their grade 12.
- Rural students possess skills and determination, what they lack is exposure to the outer world and unaware of the opportunities.



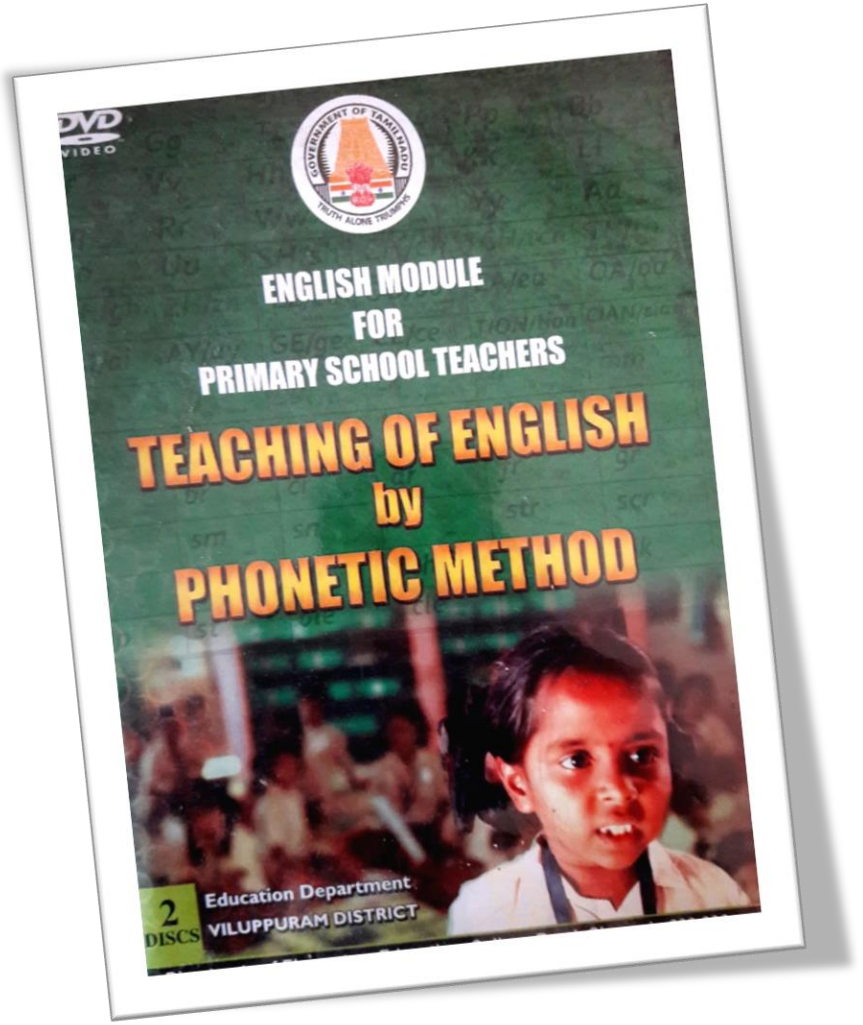
Problems faced

30% **Drop out children due to lack of interest in education**

90% **Poor background and consider themselves as slow learners**

My journey as a teacher and E-content creator

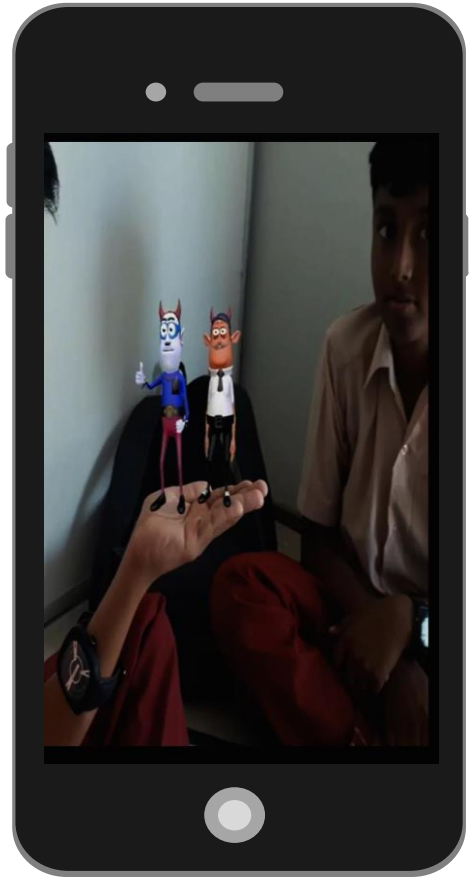
- In the later years, we set a record break of 100% pass in class 10 English.
- Joined hands with some senior teachers and in 2014 we constructed an audio-video package for Teaching of English using the phonetic method.
- Did the scriptwriting in the project by imbibing activities and phonic songs between the lessons to improve the active participation of the students. That module was given to all the govt primary schools for free of cost by our State Govt Educational Dept.



Smart Board Usage

By showing the videos of people who achieve from poor families the students compare their situations with them and set a goal for their life. This gives an immense effect on the behaviour of the students towards discipline and punctuality. I strongly believe that every child is special. When using smart boards, the child who considered as lazy by other has participated eagerly and answers actively than the other students. This shows that some of the students are active only when we present the way they like to watch.

Solution via ICT



Digital Contents

If we create interest means they could do wonders by creating miracles because students are hard workers and possess the determination to finish what is given to them. To create interest among the learners *I rely on technology* and started presenting my lessons in a digitalized way using *e-content*.

Benefits of e-content

- Learn at their own pace
- Could watch as many as times, till they grasp the idea
- Animated explanations
- Improves the listening and concentration of the students and improves the result

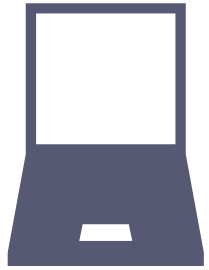
Effects of E-content

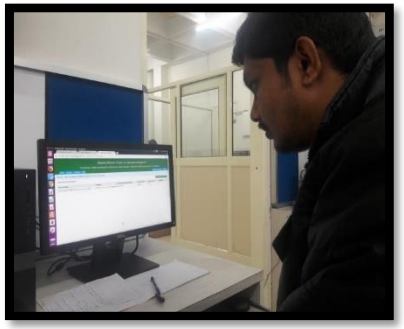
When they started to earn, they spend it on smart phones and easily diverted towards porn addiction, using drugs. But now because of these digital content videos they are easily diverted towards educational videos and it helps them not only to make engaged in educational activities but also helps to improve self-discipline and they generally share one device among four to five it helps the habit of sharing.

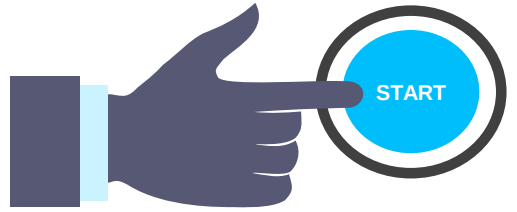
Learning is fun

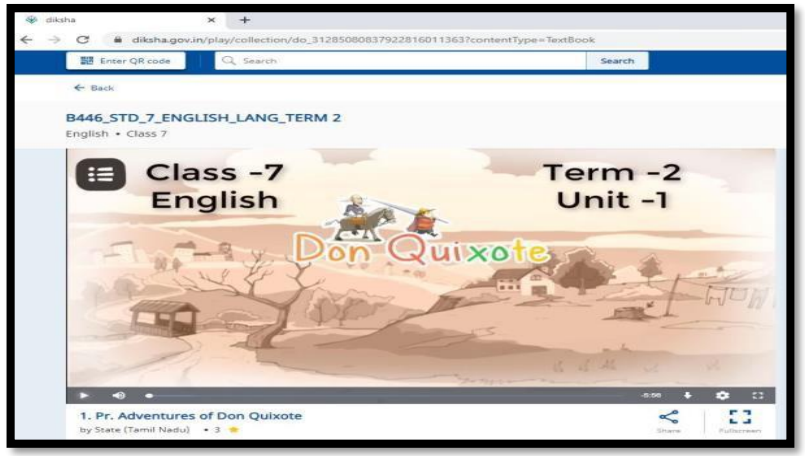
English is a second language for us and students have one allergic reaction towards the name grammar when I teach grammar using online games and activities they start to love grammar and if we start to love something from our heart that will be our favourite one. Any idea or thing derived by the feeling of love rather than the involvement of feeling of ambition is better as it involves not only the good of individual but that of mankind as well. A child must commence his schooling in an environment free of fear.

I strongly believe in freedom of children and practice an idea of students to be themselves and feel free to express in my classroom.









Spoken English using Mystery skype

Using Skype via Microsoft education platform

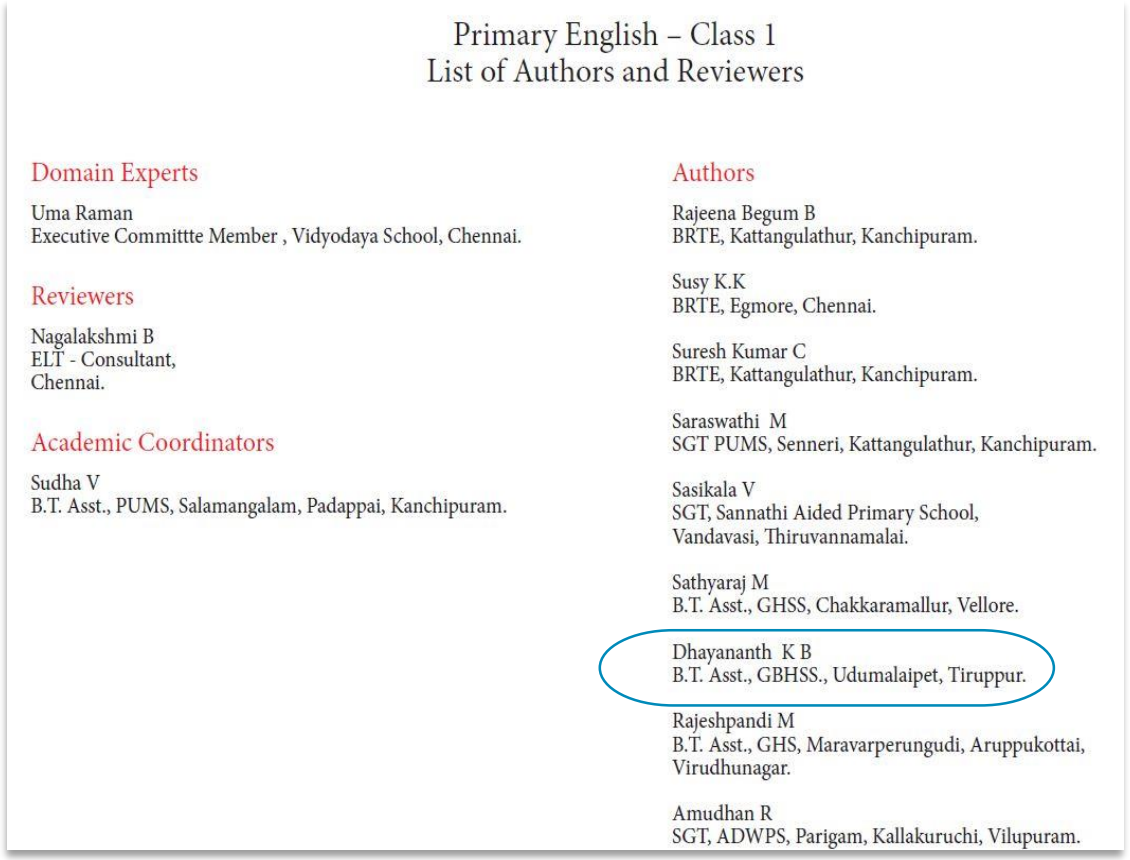
When we ask them to speak in English they hesitate to speak because of the inferiority complex and of shyness of committing errors. But when we use mystery skype through Microsoft education they actively participate. Playing the game of Mystery Skype with another class to guess where they are located is a fun way to learn about other cultures and enhances the student's critical thinking and communication skills. They have to ask a simple question like, “Are you from America?” If the opposite team responds affirmative they have to search inside the America map. So even after an hour, the students are joyful and active and it gives a positive attitude towards their spoken English. I have earned more than 59 badges and certificates from Microsoft education platform for excelling in their online courses regarding ICT tools in teaching profession. I have travelled over 8000 miles via virtual skype travel and collaborated with many teachers around the globe.

Why Mystery skype ?

- Creates a global community of learners
- Critical thinking skills
- Geography skills
- Listening and speaking skills
- Student-led
- Using resources to find information
- Authentic purpose for research
- Collaboration
- Communication

SKYPE CLASSES

With the help of Microsoft assessment courses I created Mystery skype classes so that students could collaborate with the students of other nation and aware of the UNESCO's sustainable development goals by becoming responsible Digital Citizens.



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AUTHOR & DIGITAL CONTENT CREATOR

I Contributed as an author for Primary English Class – 1, Contributed as Digital content team lead for class 6, 7, 9, 10 English, 11TH and 12th Communicative English, Hr Sec Vocational subjects, etc

E - CONTENT WORK

Our state government provides all the High and Higher sec schools with Hi Tech Lab smart class rooms. I contributed as a module developer in explaining the usage of the Hi Tech Lab components.
New text book from our State Government imbibed with QR codes, I have created and published more than 200 digital contents for classes 6 to 12. This helps the students to learn with ease and improve the concentration of the students with animated digital contents.

- ✓ Deputed to create e-content videos for our new textbooks class six, seven, nine and Tenth English books.
- ✓ Created 200+ video contents so far. Comprises of stop motion animations, created videos, mixed reality videos, animations, etc.
- ✓ When we analyse the timings of the learner's usage, many of the videos are scanned after 6 p.m. We come to know that if a student takes textbooks after school hours on his own interest then learning will not be a burden to him. Though I received many awards I consider this achievement as the greatest award of them all.

State Government awarded me as the ‘Best contributor in Diksha’, the digital platform for teachers and learners. Still, I am learning the basics of animation to improve the digital contents. Students are my masters they only teach me how to teach them.

Best contributor

Received from Hon. Educational minister of Tamilnadu

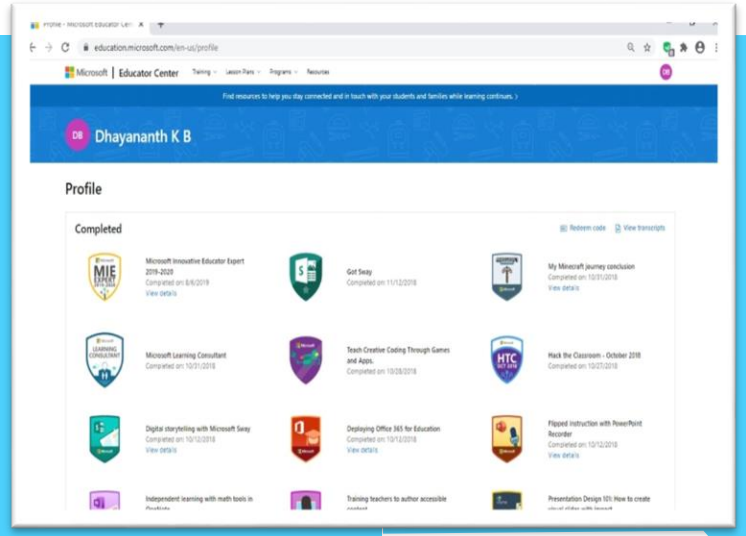
Teacher

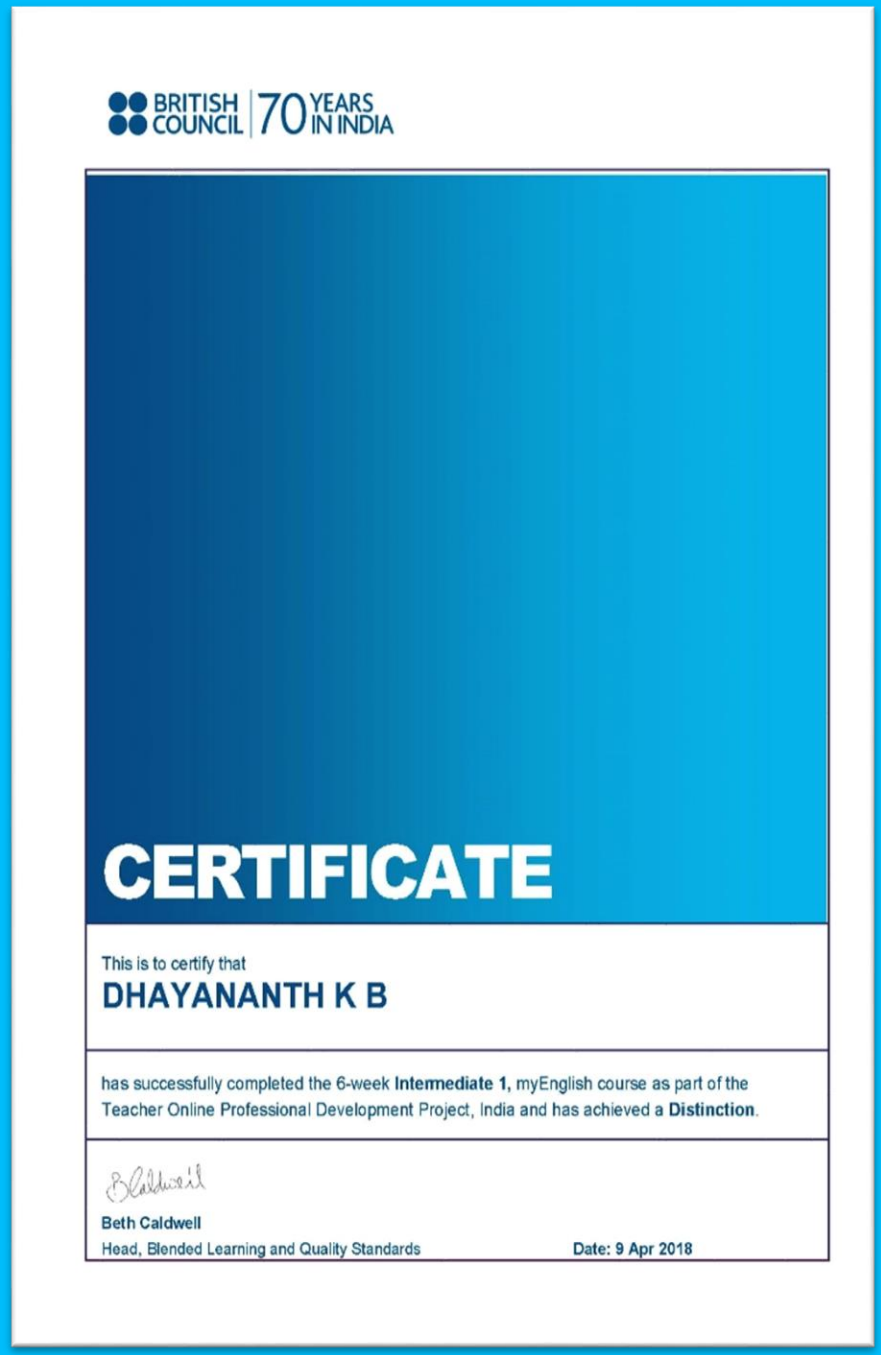
Certificate of Appreciation

Given by TN SCERT on Sep 05, 2019

Certificate

PROFESSIONAL DEVELOPMENT COURSES

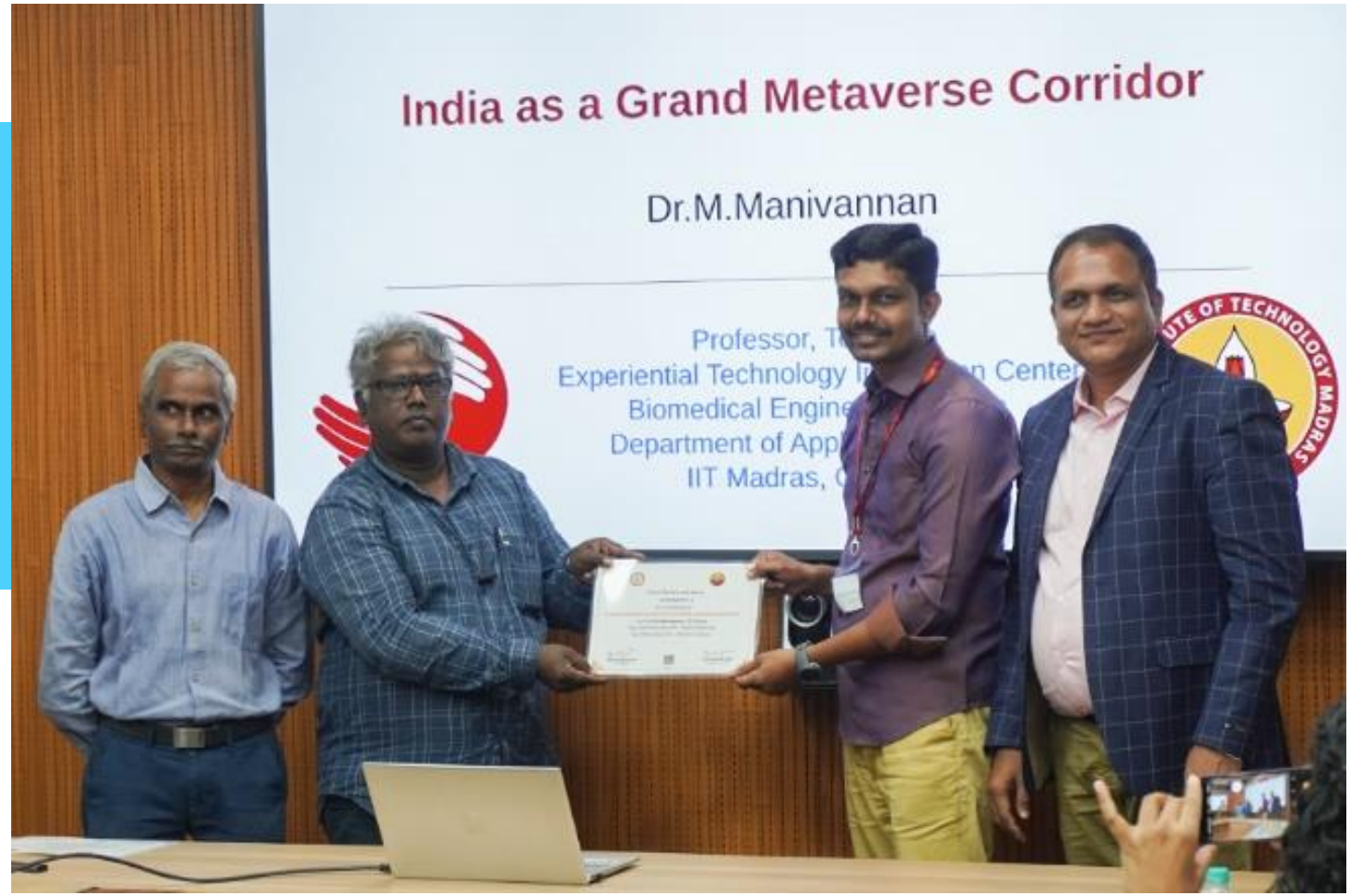




Completed many professional Development courses conducted by SWAYAM, NPTEL, BRITISH COUNCIL& Education.Microsoft.com

1. History of English Language and Literature (completed with NPTEL-Elite certificate)
2. Introduction to Literary theory (conducted by IIT Kanpur)
3. Poetry (Conducted by IIT Madras)
4. Teacher online professional Development Project India (TOPDI) by British Council
5. Completed 56 professional development certified courses from education.microsoft.com (refer attachment - 1)
6. Now learning Animations course from Swayam platform.

PROFESSIONAL DEVELOPMENT COURSES

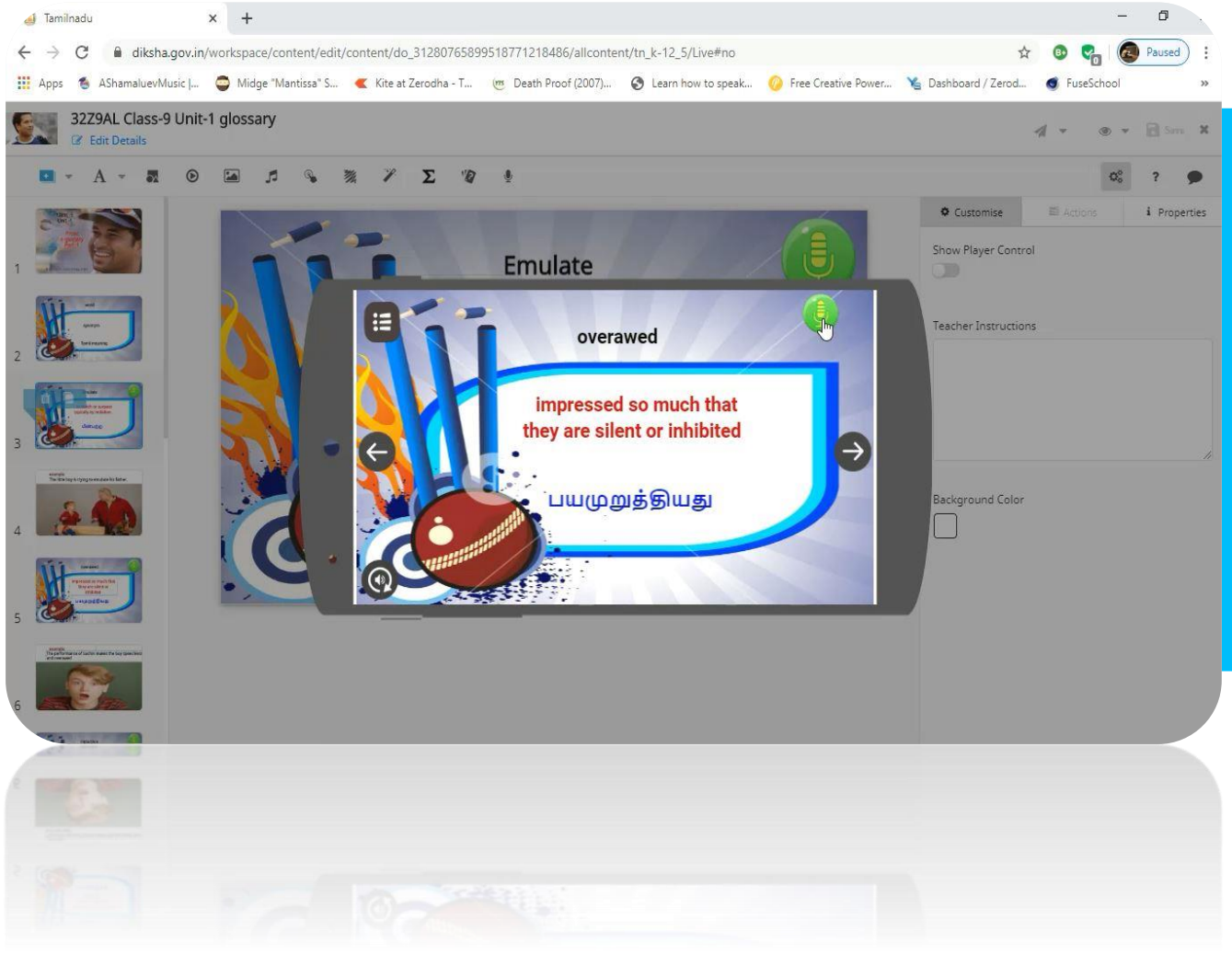


AR VR NPTEL+ workshop conducted by Dr.M. Manivannan, IITMadras

ICT Infrastructure

Using Hi-Tech labs or smart class rooms are prohibited during pandemic situation, so I personally bought Bluetooth speakers and laptops for the students to showcase the digital contents related to the portions and thus I create ICT infrastructure inside the normal class room.

ASSESSMENT IN E-GLOSSARY



Record option in the e-glossary of the DIKSHA platform helps the students to record and listen to their own pronunciation.

FOR ASSESSMENT

Microsoft | Educator Center

Certificate of course completion

Dhayananth K B

Has been awarded the certificate for successfully completing the following course:

Microsoft Forms: Creating Authentic Assessments

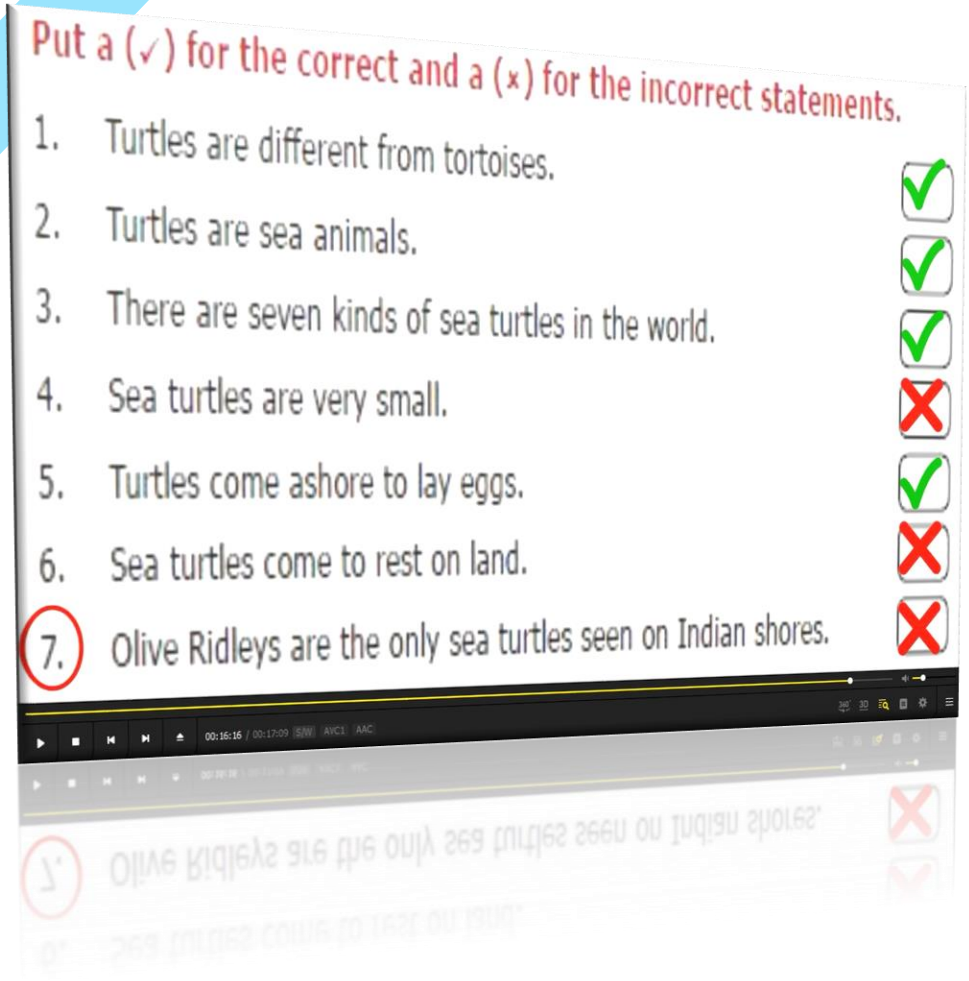
Estimated duration: 01:00
Completed: 8/8/2018

Anthony Salcito
Vice President, Worldwide Education

education.microsoft.com

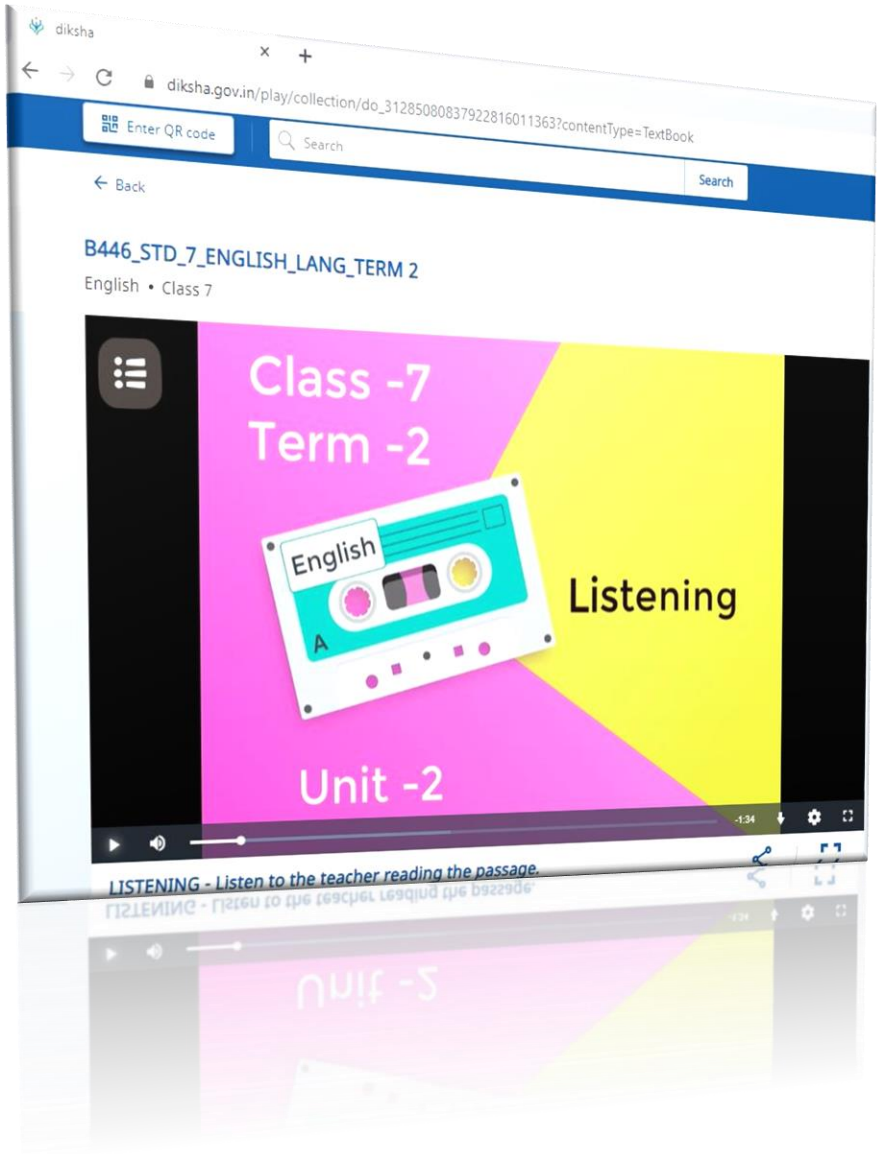
MICROSOFT CERTIFICATION

Created Microsoft forms to create surveys, quizzes, and polls, and easily see results as they come in. When I create a quiz or survey, I can invite others to respond to it using any web browser, even on mobile devices. As results are submitted, I can form data, such as quiz results, can be easily exported to Excel for additional analysis or grading.



ASSESSMENT IN DIGITAL LESSONS

When creating Digital lessons I attach assessment questions in the final session of the video to analyze the understanding of the students.

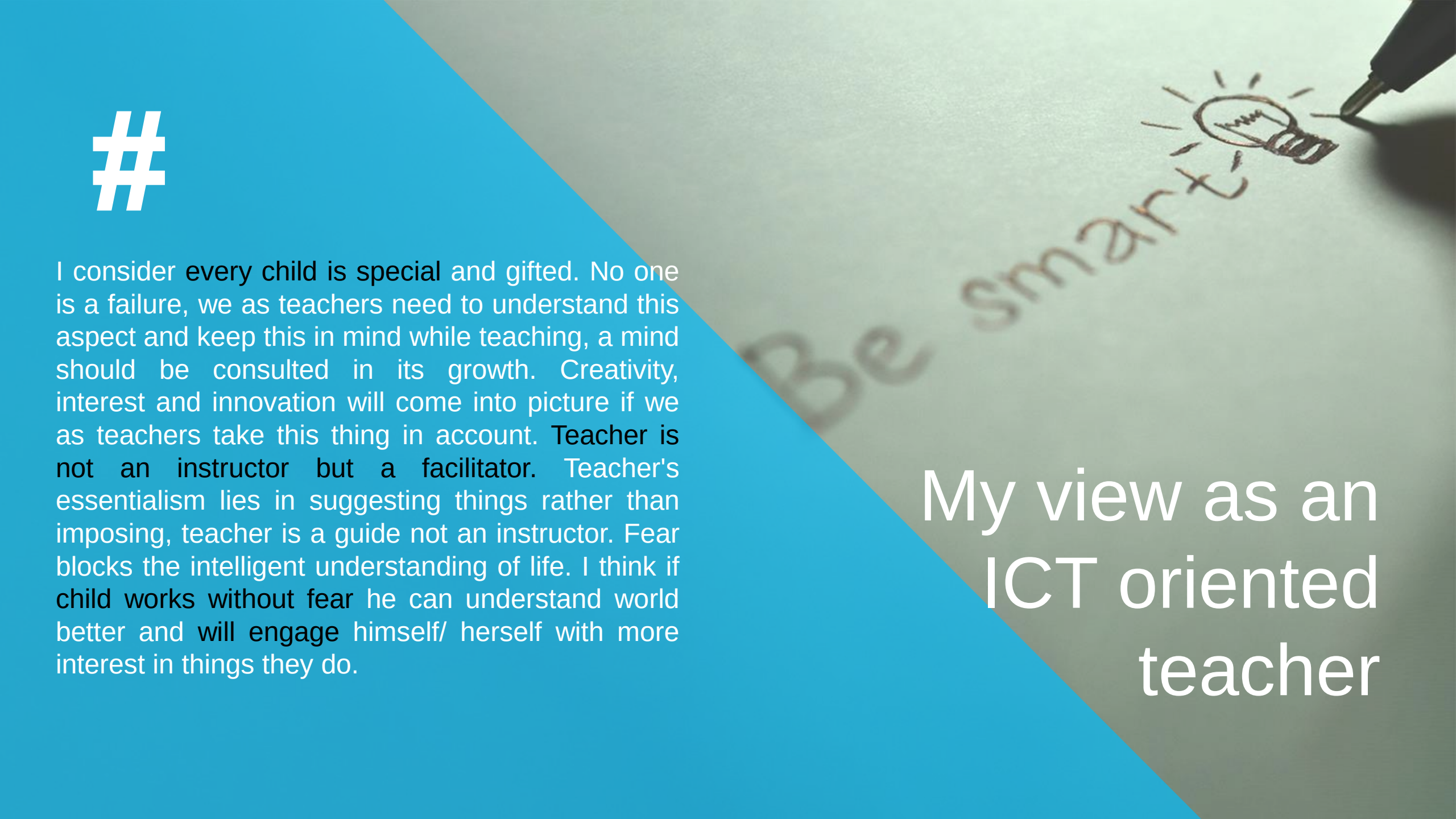


AUDIO LESSONS

To enhance the learning of CWSN students, Now we are creating audio lessons for the visually impaired students with the help of the mp3 audio lessons they could easily grasp the core topics in their text books. With the help of a friend visually impaired students could use E-glossary and could hear the pronunciation of the words from their text books.

#

I consider every child is special and gifted. No one is a failure, we as teachers need to understand this aspect and keep this in mind while teaching, a mind should be consulted in its growth. Creativity, interest and innovation will come into picture if we as teachers take this thing in account. Teacher is not an instructor but a facilitator. Teacher's essentialism lies in suggesting things rather than imposing, teacher is a guide not an instructor. Fear blocks the intelligent understanding of life. I think if child works without fear he can understand world better and will engage himself/ herself with more interest in things they do.



My view as an ICT oriented teacher

My Methodology and Innovation

If we listen to them they will surely listen to our ideas. First, I ask the students how a teacher should treat them. This helps me to think on their shoes. Usually, they ask to treat them like a friend, don't want to get punished, no Home works, no boring lecturers, especially after lunch. I agree with all the possible demands and then I reveal my opinion on how a student should behave inside my class, he should be active but not to be a disturbance to others if he doesn't want homework means he has to give his full presence both body and mind inside the class. This helps me to collect their wholehearted response.

I generally begin the class with a small story and windup the class with a simple quiz. The story helps me to motivate them and because of interest they become silent and listens without distraction. The quiz helps me to make them to kindle their search for answers and eagerly waiting for the next class to express their answers.

Softwares used

I create digital contents using simple 2d and 3d software which helps in improving the active participation of the students. I give importance to foss softwares such as blender (animation), kdenlive (editing software) and openshot (editing software). And I use paid softwares such as powerpoint, Maya, Muvizu, Cartoon Animator, Unity & Unreal Engine for animations and Camtasia and premiere pro for video editings.

Training to my colleagues

Many of my colleagues were impressed with these ICT based teaching. During State level training for the teachers, As an ICT state level content creator, I gave my presentation on the importance of ICT by scanning QR Code to see the digital content and their usage. I received Many positive feedbacks from fellow teachers after the usage of ICT tools in their class room.

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During Covid-19

During the **COVID** lockdown period I have conducted and attended many webinars and helped others to create their own digital resources and making them aware of using internet in a proper and safe way.

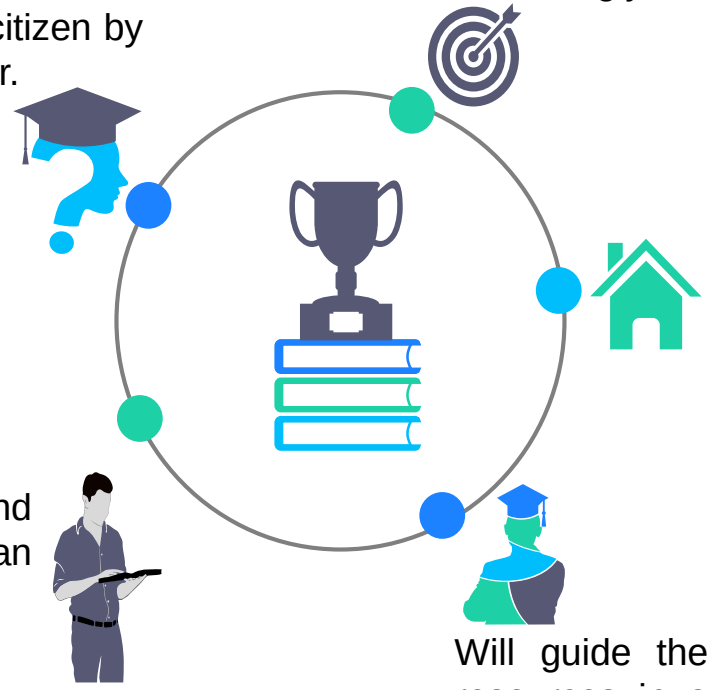
I have created Digital lessons via youtube to make the children engaged.

Contributed as an editor for state owned KALVI TV digital lessons to reach the students of rural areas those who couldn’t afford for internet & online facilities.

Future plan

To help the teachers to enhance the learning experiences of students using ICT. Thus, it helps them to think independently and communicate creatively. It also helps students for building successful careers and lives, in an increasingly technological world.

To make every child to be a responsible global citizen by using technology and internet in a proper manner.



To make the children aware of our ecosystem and to participate actively in attaining the UNESCO's Sustainable Development Goals.

To help fellow teachers to use ICT resources and create their 'own digital' resources and use it in an effective way inside the class room

Will guide the students to use internet and the resources in a safe and proper manner and thus help in raising responsible Digital Citizens.

Thank You

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