

# Journey of National ICT Awardee Teacher

**Shafi Ajis Shaikh**

**Science Teacher**

Zilla Parishad Upper Primary School, Bitargaon Bk,  
Umarkhed, Yavatmal, Maharashtra

# Mobilization of Resources for creation of ICT infrastructure

Crowd funding for  
Digital Infrastructure

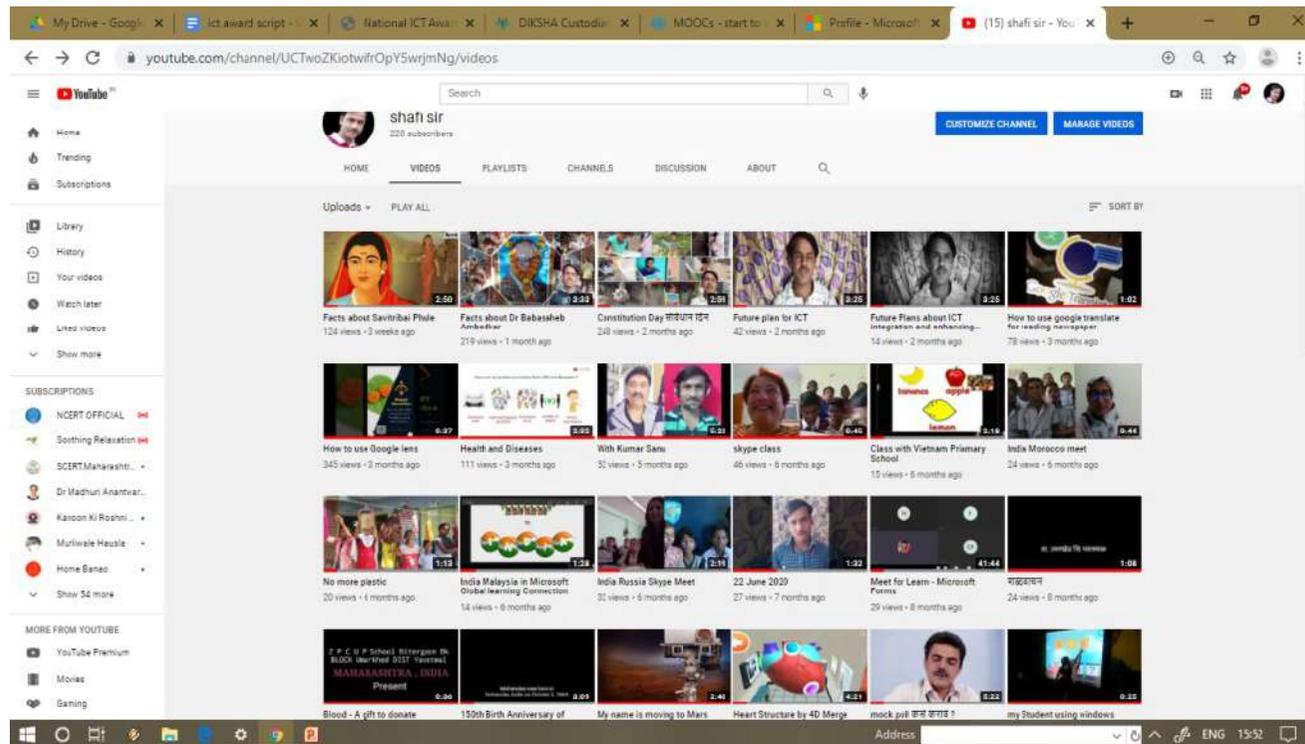
जि.प. प्राथ. शाळा नागोली, पं.स. मुर्तिजापुर  
\* हिशोब पत्रिका \*

मा.श्री. /सौ/ शफी अजिद शेख (स.भ.)... आपण "माझ्या स्वप्नातील शाळा"  
उपक्रमा अंतर्गत डेक्सवेंच निर्माण करण्याकरीता जे योगदान दिले त्याबद्दल आम्ही आपले आभारी आहोत.  
सदरहु बाबीचा विनियोग कशाप्रकारे झाला हे जाणून घेण्याचा अधिकार आपला आहे आणि त्याचे प्रस्तुतीकरण  
हे आमचे कर्तव्य आहे. करीता हिशोब पत्रिका सेवेशी सादर.

वर्गणीदारांचे नावे

१) श्री. प्रभाकरराव स. अनभोरे	१०००/-	१३) श्री. कैलास म. अनभोरे	५००/-
२) श्री. काशीराव झा.सरोदे	१०००/-	१४) श्री. देविदास भा. सरोदे	५००/-
३) सौ. चित्राताई नरेंद्र सरोदे	१०००/-	१५) श्री. ज्ञानेश्वर अ.अनभोरे	५००/-
४) सौ. सत्यफुला गौ. अनभोरे	१०००/-	१६) श्री. प्रकाश ना. अनभोरे	५००/-
५) श्री. राहुल शं. कीर्दक	१०००/-	१७) श्री. बाबाराव रा. अनभोरे	५००/-
६) श्री. प्रितम भा. सरोदे	१०००/-	१८) श्री. सुभाष स. अनभोरे	५००/-
७) सौ. उषा रा. कुन्हेकर	१०००/-	१९) श्री. महादेव चं. खंडारे	५००/-
८) श्री. शफी अ. शेख	१०००/-	२०) श्री. राहुल बा. अनभोरे	३००/-
९) सौ. मंदा प्र. वर्घट	५००/-	२१) श्री. जयेंद्र वा. अनभोरे	३००/-
१०) श्री. नामदेवराव म. अनभोरे	५००/-	२२) श्री. डिगावंर ह. खरवडकार	३००/-
११) श्री. राजेश म. सरोदे	५००/-	२३) श्री. चितांमणजी ना वर्धे	२००/-
१२) श्री. प्रमोद शि. इंगळे	५००/-		
एकुण जमा	१४,६००/-		

# Developed E contents



I have created **YouTube** videos for my student

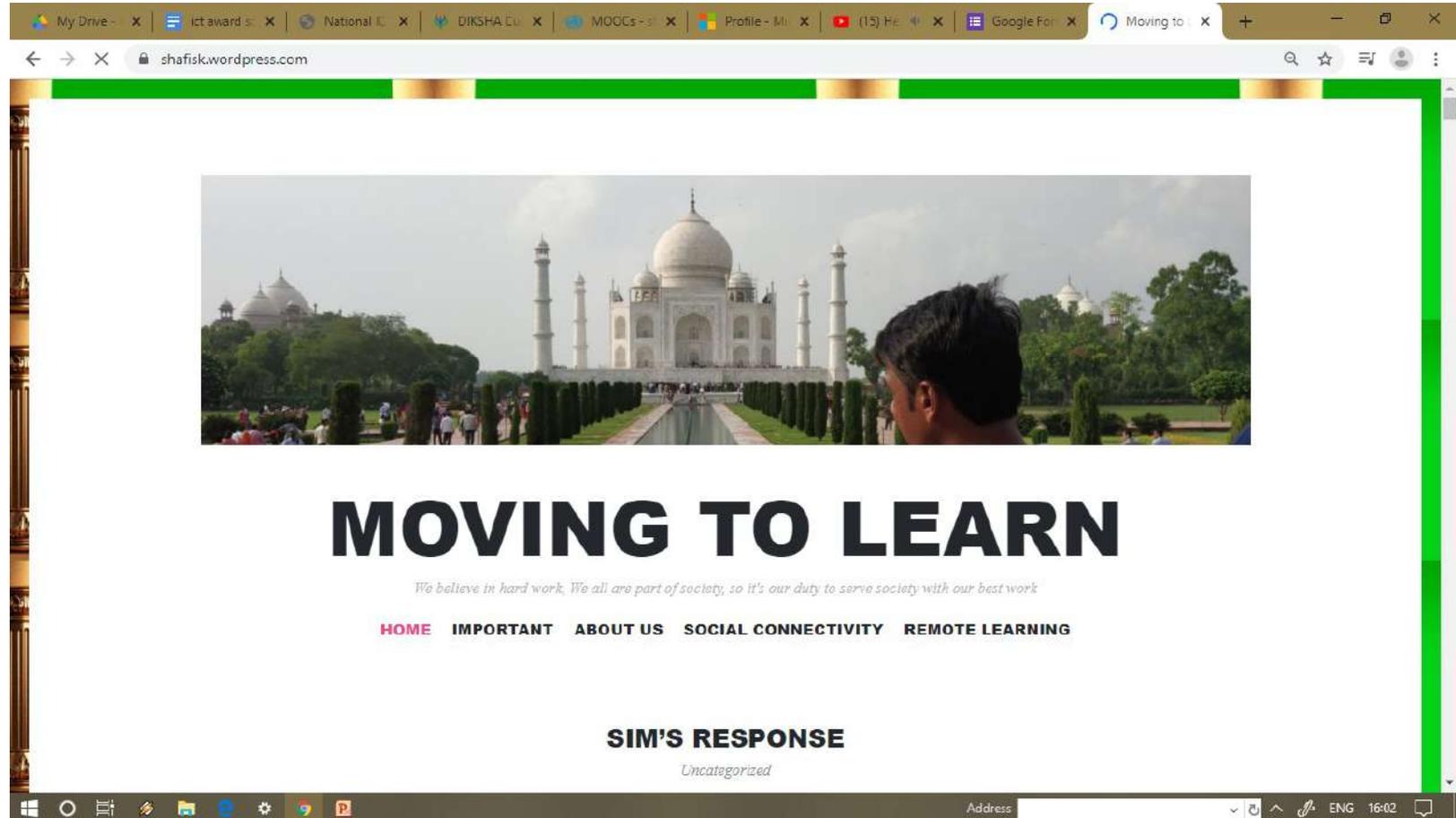
In that video I have used **AR** technology to explore the content

# Developed E contents

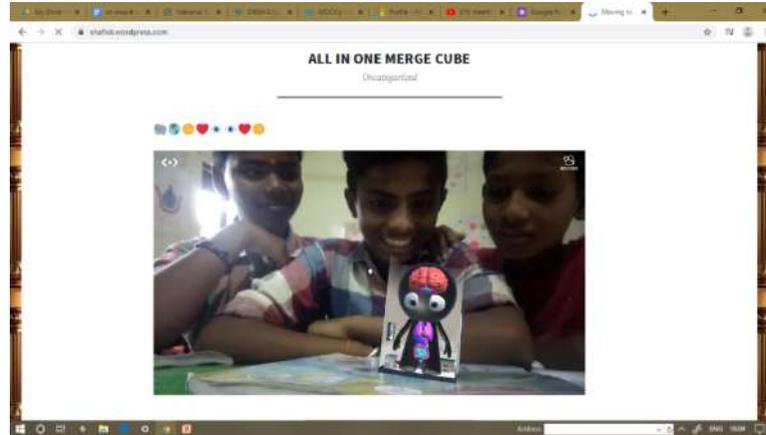


- I have created **Google forms** for assessments
- In that Forms I have used Certifyem to Deliver Digital certificate to my the participants

# Development of web portal



# Development of web portal



## Contributed in development of MITRA apps



I had participated in State team of Mitra Apps as a **contributor in Initial Phase.**

This is the **appreciation Certificate** given by Education and Sport Division of Maharashtra Government

## Helped students in use of ICT for self learning, investigations, experimentations.



### **Class of My Creation**

- Under this activity I have provided opportunity to Students Group to use various software like MS Word, paint, Powerpoint, Chrome etc.
- Students use various tools to self learning

# Helped students in use of ICT for self learning, investigations, experimentations.



## Google forms for Learn

- I have send forms link via WhatsApp group
- Students participated by submit their response

## Helped students in use of ICT for Achieving 21<sup>st</sup> Century skills



- To reduce the plastic pollution we carried out the project **No More Plastic**
- Under this project my students has created the **list of the plastic things by the use of Microsoft word**
- Students searched the various ways to reduce plastic pollution by **web**.
- They communicate about how to reduce plastic waste and **explore the YouTube** for solutions
- Finally we thought and decided to made **Cloth Bags** from old cloth that collected from home.

## Helped students in use of ICT for Achieving 21<sup>st</sup> Century skills



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## Helped students in use of ICT for Achieving 21<sup>st</sup> Century skills



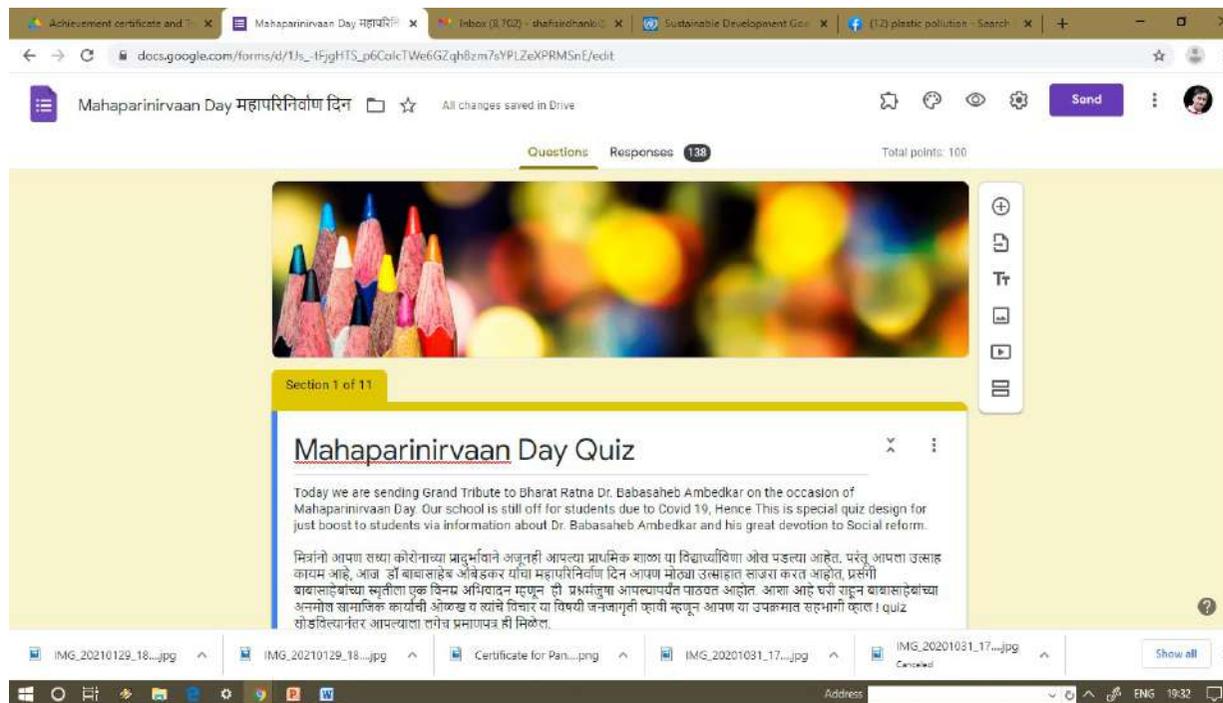
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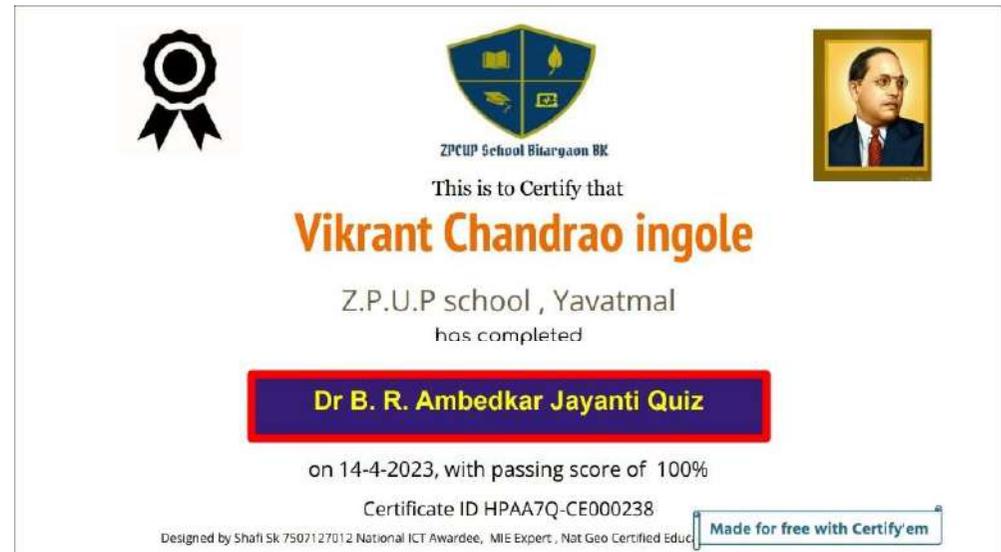
# Helped students in assessment and evaluation using ICT



## Google forms for Assessment

- I send forms link via Whatsapp group
- Students solve this quiz from their home
- Those who scored 100% received Digital certificate

# Helped students in assessment and evaluation using ICT



## Google forms for assessment

- They sent back this certificate at me
- Not only participation But they are also using their own skills in ICT.

# Helped Enhancing learning outcomes among students through integration of content, pedagogy and technology



Water Problem



Access Paani  
Foundation Websites



Stone Bridge



# Helped Enhancing learning outcomes among students through integration of content, pedagogy and technology



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Stone Bridge



## Contribution towards use of ICT for community development



- In 2018 Kerala has a large amount of loss due to Floods
- Students collected the fund from door to door
- We transfer this amount by online transaction

## Contribution towards use of ICT for community development



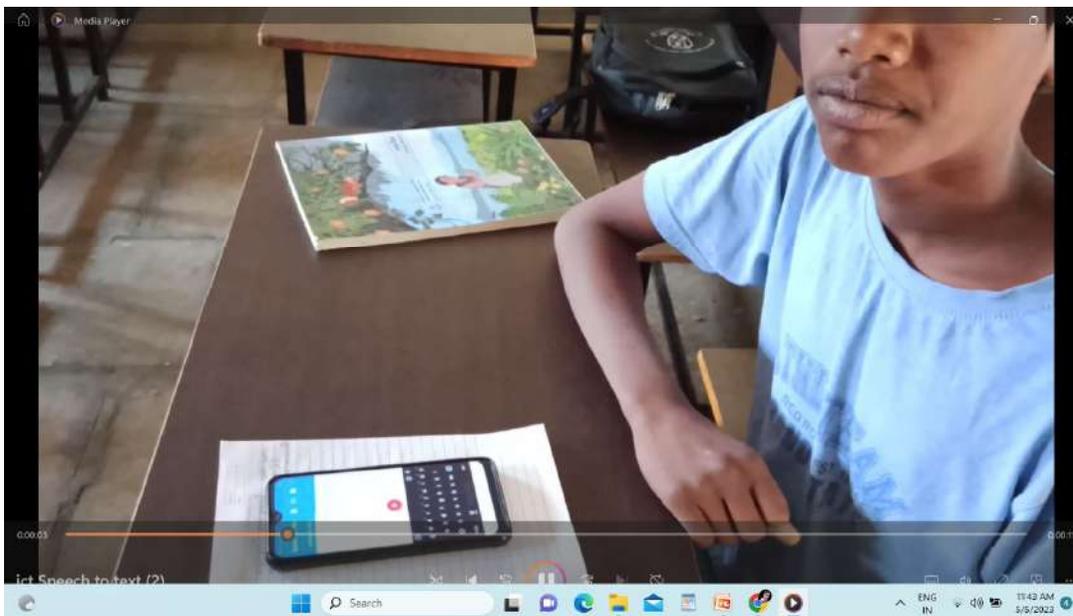
- We have made a **Hydro marker** a device to count the water level of Ground by taking few parents
- It was amazing experience they were using it and taking a reading of water level in Program of **water conservation** by Paani Foundation.

## Contribution in promoting health and well being through ICT



- Created a group of parents in **WhatsApp** for general awareness about Health and Diseases
- Where we discuss about the effect of Tobacco and Alcohol on general Health.
- I carried out different activities for awareness
- My school receiving A **Tobacco free certification** from Zilla Parishad Yavatmal.

# Contribution in liberating technology for CWSN



- CWSN student in my class who is unable to write well
- I had used **speak and type Audio text tools** in my smartphone to handle this problem for search web and Youtube video.
- Now this student is so happy to use this tools in their phone.

## Analysis of Annual Performance Appraisal Reports

- **Average grade** on work efficiency is **9.0** with overall gradation 8.8 for last 2 years.
- Other performance appraisal is **Certified by Hon. Education Minister**, Department of School Education And Sport, Govt. Maharashtra, for contribution in creation of E learning materials.
- Appreciation Certificate by The **Maharashtra State Council of Education Research and Training**, Pune for Notable Contribution in tech savvy movement in state.
- Certificate and Award for **Best teacher** with Trophy by Block Umarkhed

## An ICT activity I have done, which showcases my best use of ICT for Education



This was the **very worst** condition of my school Before to project

The **Green Digital School** of My Dream

## An ICT activity I have done, which showcases my best use of ICT for Education



- Zilla Parishad School Dhanki has a E class Land
- From the annual auction of past ten years there was Rs 5 Lakh in account
- As a Teacher representative in SMC , I told about my project
- SMC welcomed my project and sent it to District Committee
- DEC has approved our Plan and given permission to Made Green digital school

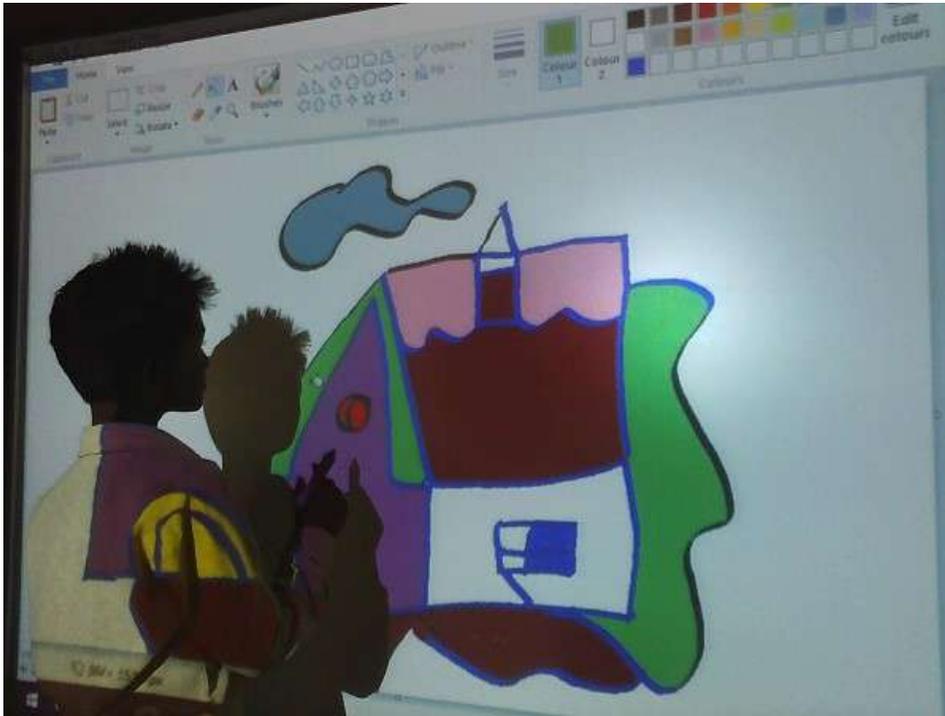
The **Green Digital School** of My Dream

## An ICT activity I have done, which showcases my best use of ICT for Education



- Now the complete picture was changed
- We had a 4 fully digital classroom equipped with Smartboard, Projector and Audio system
- We had planted 29 special large tree in the Ground .

## An ICT activity I have done, which showcases my best use of ICT for Education

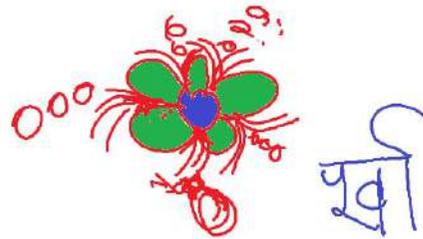


### Constructive Technology

- I decided to implement constructivist techniques in my teaching learning process
- Given opportunity to them to draw their favourite paintings by hand on the smartboard under **My Board Painting activity**

## An ICT activity I have done, which showcases my best use of ICT for Education

### Constructive Technology



- This activity helped students to familiar with technology
- Due to this activity everyone now was present in the class
- Increased percentage of attendance by 22.5 %

## An ICT activity I have done, which showcases my best use of ICT for Education



### Collaborative Learning

- Before my classroom's sitting arrangement was in row
- But I changed **Sitting arrangement in the group.**
- It was a great experience for me to **Share my laptop in their Groups.**
- They were interacting and sharing their concept and knowledge while accessing games and activity.

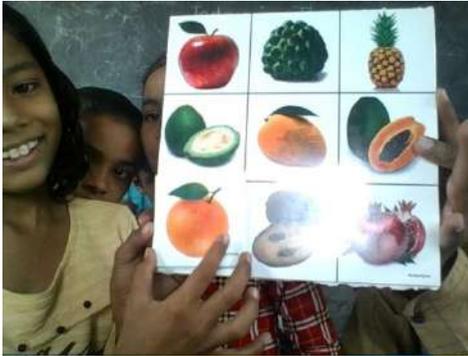
## An ICT activity I have done, which showcases my best use of ICT for Education



### Use of Educational Apps

- With the help of screen casting in Windows 10, I am successful to give experience of screen touch on the smartboard
- My students enjoy lots of Educational apps like Kindergarten, Mr. Body, Diksha, E pathshala, Marathi Kids etc.

## An ICT activity I have done, which showcases my best use of ICT for Education



### Skype in the Classroom

- I carried out a special activity through the Microsoft educator Community Skype in the classroom
- This activity based on the base of **mutual sharing of students lessons** with the students of the rest of the World .
- My student has interacted with more than **26 countries** students around the World by completing **241 active sessions**

**Helped students to use ICTs for self-learning, cooperative/ collaborative learning, investigation, experimentation, development of higher order thinking skills**



### **Mystery Skype**

- Mystery Skype is an educational game played by **two classrooms** on Skype around the World.
- The aim of the game is to build **cultural awareness, critical thinking skills, and geography skills** by guessing the location of the other classroom through a series of yes/no questions.
- After recognised the location students of both class shared **culture heritage, food and festival and more info** about their countries.

Helped students to use ICTs for self-learning, cooperative/ collaborative learning, investigation, experimentation, development of higher order thinking skills

## Mystery Skype

My class connected with students  
in **26 countries**  
and traveled **1002748** /km!

November 5-6, 2019

Microsoft Global Learning Connection  
OPEN HEARTS. OPEN MINDS

The graphic features an illustration of two children, a boy and a girl, standing on a yellow island with a palm tree and books. The background is blue with white text.

My favorite moment (write or draw)

Microsoft  
Global Learning Connection  
PASSPORT

Name: OMPRASAD BHALGE  
S.P.C.U.P. SCHOOL, BITARGAON  
UMARKHED, MAHARASHTRA, INDIA  
Where I would like to travel:

Its long list  
Georgia, Iraq, Saudi Arabia,  
Moscow, Egypt, Hungary,  
Sri Lanka, Vietnam, Argentina,  
Russia, Romania, Poland,  
Turkmenistan, Malaysia, Ukraine,  
Australia, Cambodia, Nigeria,  
Syria, Italy, Serbia,  
Cyprus, Lesotho, Florida US,  
Canada, Chile and 40 more  
countries.....

Microsoft  
Global Learning Connection  
PASSPORT

www.skypeintheClassroom.com  
@SkypeClassroom

City/State \_\_\_\_\_  
Country \_\_\_\_\_

The photograph shows a student's completed passport form. The form is blue and white with a central illustration of a globe with children. The student has filled in their name, school, and a list of countries they would like to visit.

Helped students to use ICTs for self-learning, cooperative/ collaborative learning, investigation, experimentation, development of higher order thinking skills



### My Cloth Bags

- In this project my students collaborated to eradicate plastic pollution around us
- Students used apps **Debris Tracker** by **National Geographic**.
- In the Average distance of **500 metre** we had traced more than 1100 plastic wrappers bottles and bags were spread in the soil.

Helped students to use ICTs for self-learning, cooperative/ collaborative learning, investigation, experimentation, development of higher order thinking skills

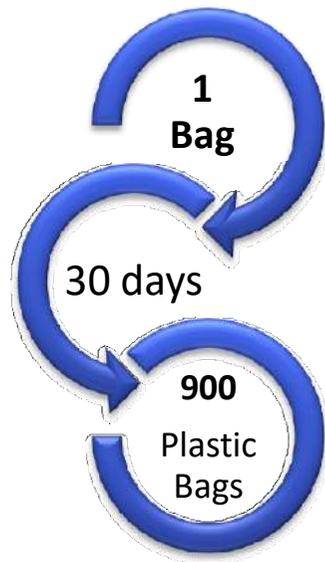
### My Cloth Bags



- 1100 plastics object in 500 meter this number was so terrific.
- I had given opportunity to them to discuss and find out the solution by using **Internet**.
- Students were searching and exploring different solution by Websites and YouTube
- Out of them one solution felt more effective that was **Cloth bags**.

**Helped students to use ICTs for self-learning, cooperative/ collaborative learning, investigation, experimentation, development of higher order thinking skills**

### My Cloth Bags



Per day per student  
**just a single cloth bag**

30 students in  
30 Days

Reducing 900  
plastic bags to  
save our Earth.



Helped students to use ICTs for self-learning, cooperative/ collaborative learning, investigation, experimentation, development of higher order thinking skills

## Science Day



- On the occasion of birth anniversary of Dr C V Raman.
- I had provided opportunity to my students to choose and present one experiment by using **Internet**.
- Students were divided in different **groups**.
- They had a chance to **demonstrate** in front of SMC

Helped students to use ICTs for self-learning, cooperative/ collaborative learning, investigation, experimentation, development of higher order thinking skills

## Science Day



- They were **collaborate, investigate** and prepare for **demonstration of experiment.**
- Many students had find out the different experiment like **Solar vacuum cleaner and Solar cooler.**
- It was a great solution by them for **conservation of energy.** To reduce the amount of **air pollution.**

## **ICT helped me in my own professional growth to Improve as a teacher**

- ICT has an important role in my professional growth by change and clear my vision skills attitudes with knowledge
- I purchased my first smartphone **in 2012. I opened Facebook ID** and that was the my first step to see the Digital World.
- I have seen many teachers engage in different activities by using different tools to enhance their students
- I have used **YouTube as the first website** for educational purposes. I was showing different rhymes and poems to my students by using YouTube.

## ICT helped me in my own professional growth to Improve as a teacher



Resp. District Education officer organised a workshop based on use of ICT for quality education in the presence of

**Honourable Nandkumar Saheb**

Prime secretary for State Education and Sports Department Government of Maharashtra.

This day changed my vision. From that day I have created one social networking group

**Guvatta Shodh va Sanavardhan.**

In this group we have planned many activities with Respected officers and Educators.

This is the **Whatsapp group** where I got inspiration to design Green Digital School Project

## ICT helped me in my own professional growth to Improve as a teacher

I have taken Workshop under the guidance of **DIET** and **Education Department Zilla Parishad Yavatmal** for share my acquired knowledge with my Colleagues.



**ICT helped me in my own professional growth to Improve as a teacher**

**I have completed and attained various Workshop organised by Maharashtra SCERT Pune**

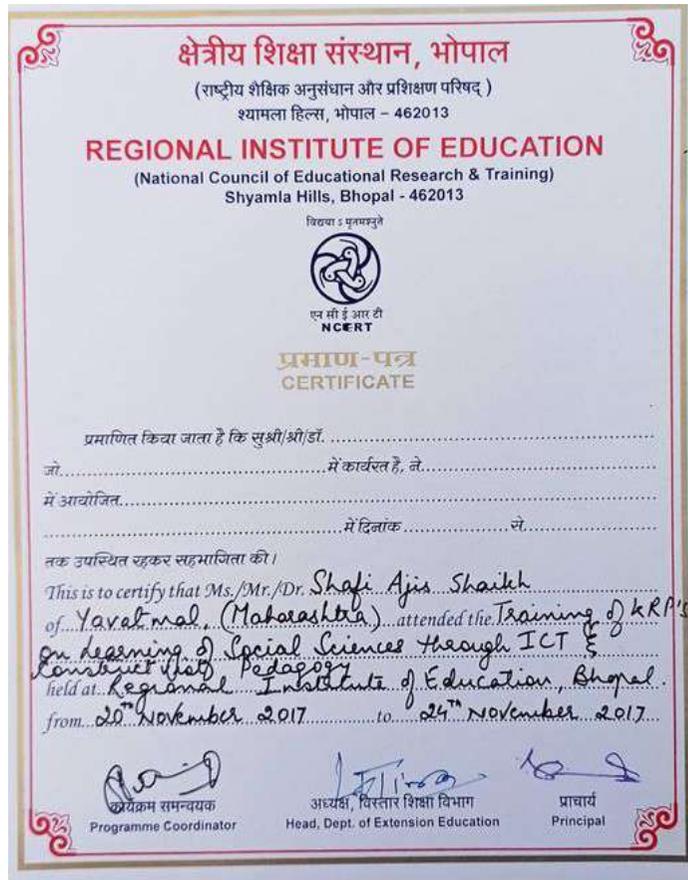


## ICT helped me in my own professional growth to Improve as a teacher

I have got an opportunity to put my contribution in the creation of **Mitra Apps** at Initial phase



## ICT helped me in my own professional growth to Improve as a teacher



I have attained training on **learning of Social Science through ICT** organised by **Regional Institute for Education Bhopal**.

## ICT helped me in my own professional growth to Improve as a teacher

- One of MOOC platform The **Microsoft Educator community** has shaped my knowledge by providing different online courses based on Sustainable Development Goals and 21 st centuries skills
- I have **recognised** as a **Innovative Microsoft Educators Expert** after completing required ICT task given by Microsoft educator community.

## ICT helped me in my own professional growth to Improve as a teacher



- The **National Geographic Educators community** has shaped my skills and attitude by providing projectbase online courses based on Environmental science
- Here I have completed 13 different courses based on Pollution, Geo Enquiry process.
- I have **recognised** as a **National Geographic Educators** after submitting the Project My cloth Bag.

## ICT helped me in my own professional growth to Improve as a teacher

- I have recognised as a Certified Apple Teacher & Certified Educators for Swift Playgrounds by Apple education.



## ICT helped me in my own professional growth to Improve as a teacher

# CERTIFICATE

This is to certify that Ms/Mr. Shafi Ajis Shaikh  
has successfully completed the workshop on  
**'Digital Tools For Education'**  
on 20th October 2020 organised under the leadership  
of Maharashtra State Government

  
for Education



  
LEARNING FOR LIFE



- I have completed the workshop organised by **Google for Education** and **SCERT Pune** based on **Digital tools for education.**

## ICT helped me in my own professional growth to Improve as a teacher

- I have completed many certification courses by **World health organisation** and **UNICEF**

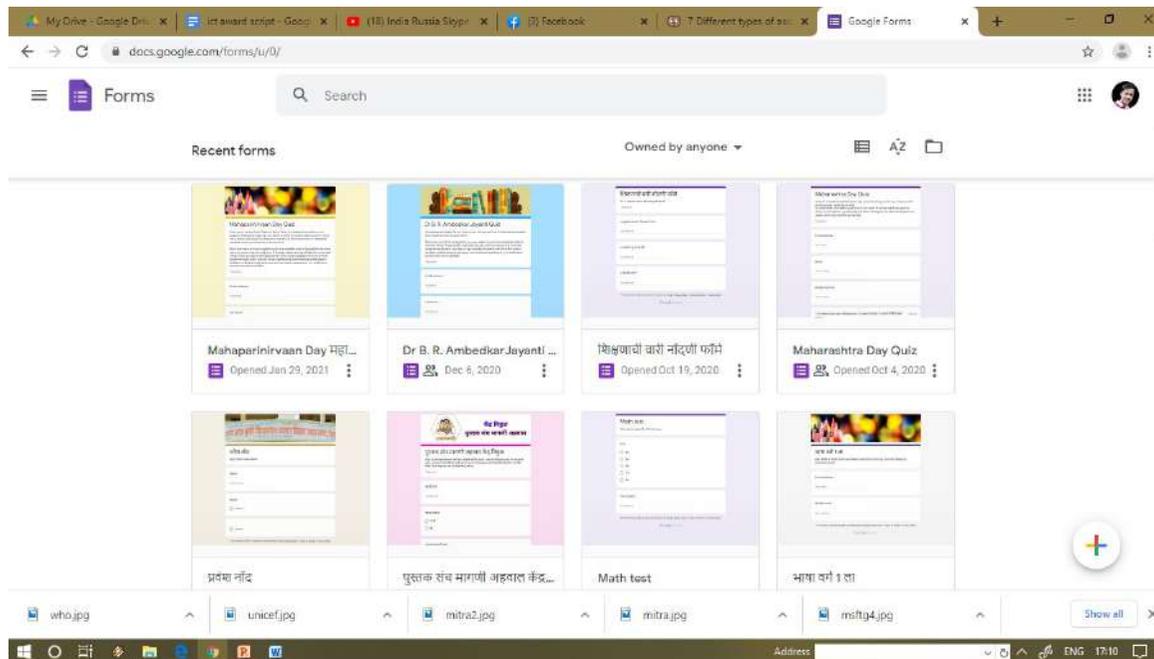


## ICT helped me in my own professional growth to Improve as a teacher



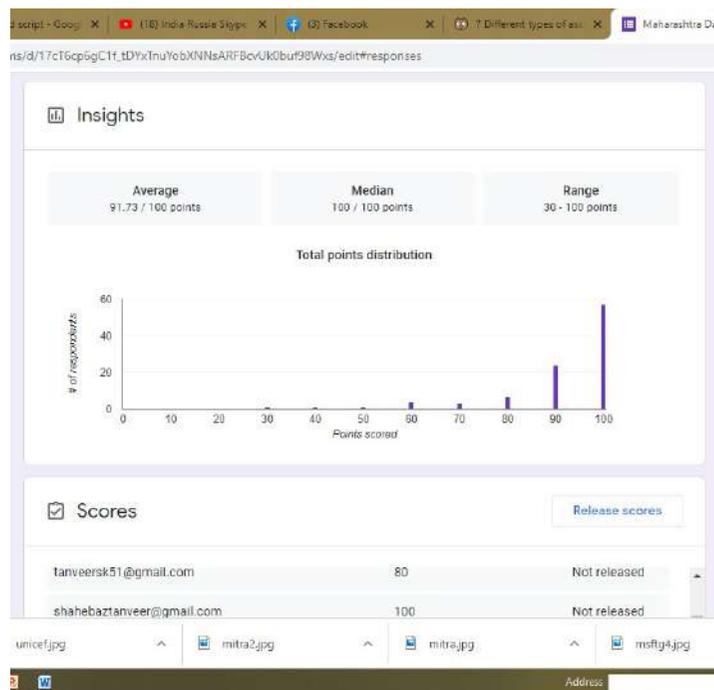
- I have also completed training of Jalmitra to Submit villages online data of Project **Maaz Panidaar Gaon** based on Conservation of Water by **Paani Foundation**.

## The various assessment strategies adopted by me in the regular class room teaching which indicate the impact of ICT use

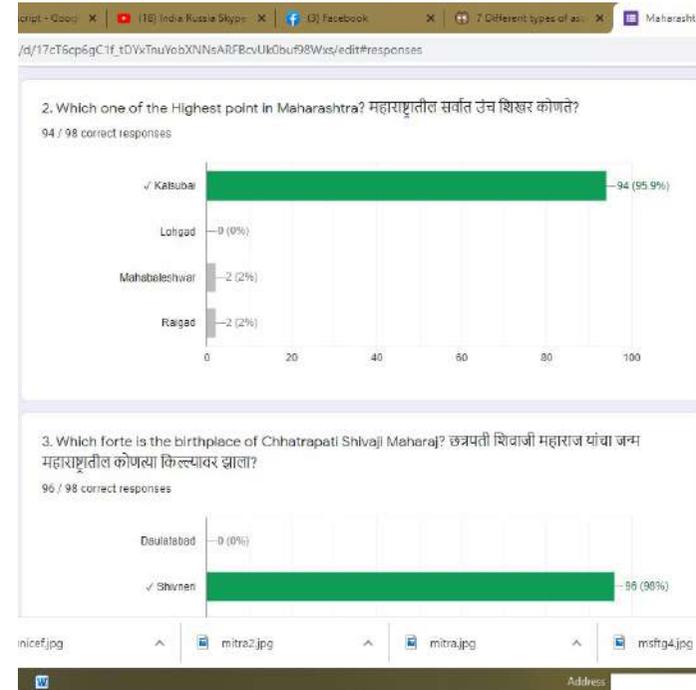


- I have adopted various assessment strategies in the regular classroom teaching.
- I am using Google form as a **diagnostic assessment** tools
- I create topic related form and check the outcomes of content.

## The various assessment strategies adopted by me in the regular class room teaching which indicate the impact of ICT use



Here In **response analysis** I got crystal clear picture of my work



It gives **question wise performance** of students that help in remedial teaching

## The various assessment strategies adopted by me in the regular class room teaching which indicate the impact of ICT use



- Another assessment tools I use it is Merge Cube based on **Augmented reality** Technology
- I use it as a Formative assessment tools
- It helps me to identifying the first gaps in my instruction.

## The various assessment strategies adopted by me in the regular class room teaching which indicate the impact of ICT use



- It gives me Quick feedback regarding student's understanding of concepts.
- Based on this feedback I plan what to focus on for further expansion of topic

## The various assessment strategies adopted by me in the regular class room teaching which indicate the impact of ICT use

SHAFT SIR

Disease	Pathogen	Mode of Infection	Symptoms	Prevention and Treatment
<p><b>Tuberculosis</b></p> 	<p>Mycobacterium tuberculosis</p> 	<ul style="list-style-type: none"> <li>★ Spitting by patient</li> <li>★ Through air</li> <li>★ Sharing materials with patient.</li> </ul>	<ul style="list-style-type: none"> <li>★ Chronic cough</li> <li>★ Bloody spitting</li> <li>★ Emaciation</li> <li>★ Difficult breathing</li> </ul>	<ul style="list-style-type: none"> <li>★ BCG Vaccine</li> <li>★ Isolation of patient</li> <li>★ Regular medication like DOT</li> </ul>

- I am creating my own content on topics that I want to teach them after diagnostic assessment at class level
- Thus I prefer **YouTube as a assessment tools** for diagnostic assessment

## The various assessment strategies adopted by me in the regular class room teaching which indicate the impact of ICT use

*परिक्षा क्रमांक		*विद्यार्थ्यांचे नाव		*फोटो	*हजेरी क्रमांक	*लिंग	*रजि.नंबर	*जन्म तारीख	*वजन (kg मध्ये)	*उंची (Cm मध्ये)	*वजन (kg मध्ये)	*उंची (Cm मध्ये)	पालक/ वडिलांचे नाव	शिक्षण	आईचे नाव	शिक्षण	मोबादल नंबर	
7		शैशुर्पा सोमीनाथ आचमवाड			7	मुलगी	5496	03/08/2006	30	145.1	30	145.2	सोमीनाथ आचमवाड	B.A.	लक्ष्मीबाई	7 वी		बिटरर यवतम
8		वैष्णवी बालाजी गिरे			8	मुलगी	5882	01/09/2006	32	143	33	144	बालाजी गिरे	12 वी	जयश्री	10 वी		कुपर्व

- I use excel sheets to maintain their record related with Cumulative and Summative assessment

## The various assessment strategies adopted by me in the regular class room teaching which indicate the impact of ICT use

विद्या विनयन शाभत  
जिल्हा परिषद केंद्रीय उच्च प्राथमिक शाळा बिटरगांव बु.  
ता. उमरखेड जि. यवतमाळ

सन- २०१८-१९  
विद्यार्थी प्रगती पत्रक  
\*\* वैयक्तिक माहिती \*\*



• विद्यार्थ्याचे नाव	पुजा सतीश काजळकर		
• जनरल रजि.नंबर	5419	परिक्षा क्रमांक	8
• इयत्ता	आठवी	हजेरी क्रमांक	8
• जन्मतारीख	10/06/2005	वय	13 वर्षे 10 महिने
• वडिलांचे नाव	सतीश काजळकर	शिक्षण	0
• आईचे नाव	सविता	शिक्षण	0
• मोबाईल नंबर	9730236609		
• पत्ता	बिटरगांव (बु.) ता. उमरखेड जि. यवतमाळ		

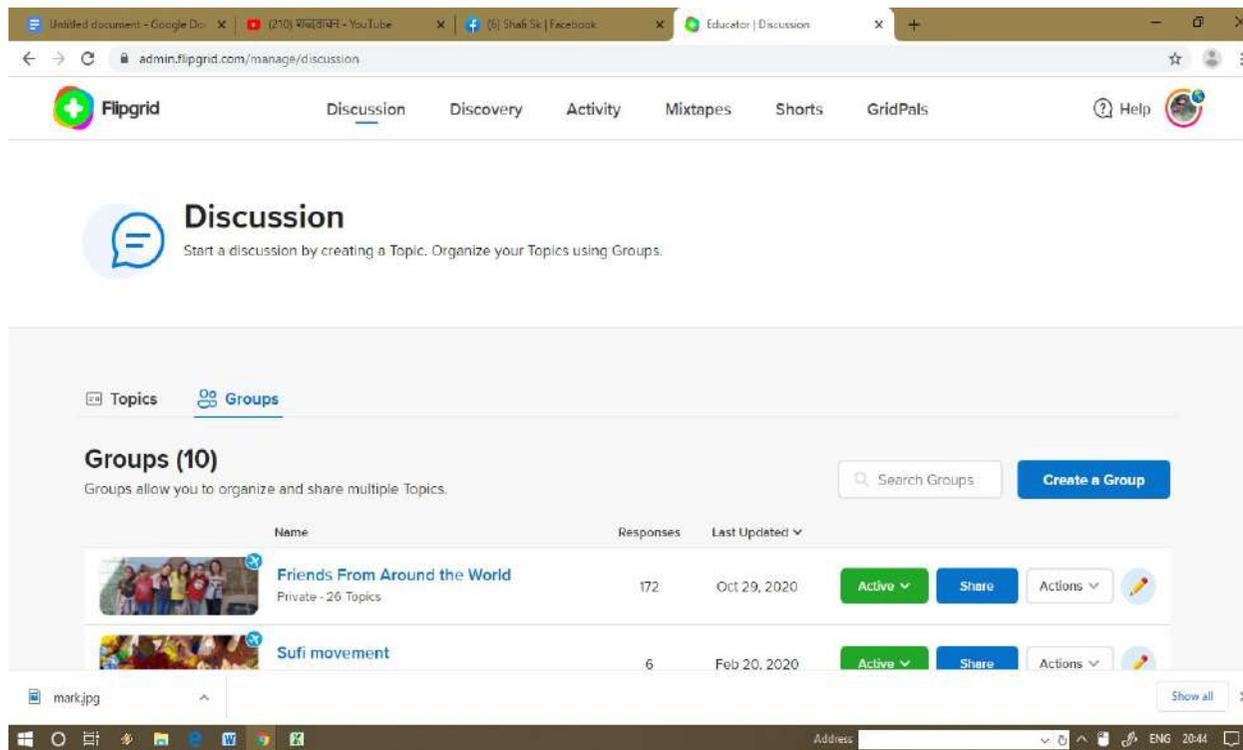
### \*\*\* आरोग्यविषयक माहिती \*\*\*

	प्रथम सत्र		द्वितीय सत्र
वजन	41	वजन	45
उंची	152	उंची	155



- At the end of each term I give them a Digital printed **Report card** having attached a special message built in QR code.

## The various assessment strategies adopted by me in the regular class room teaching which indicate the impact of ICT use



- I use Flipgrid, the website that allows teachers to create grids to facilitate video discussions.
- It is very useful for those students who are little bit shy to response.

## The various assessment strategies adopted by me in the regular class room teaching which indicate the impact of ICT use



The screenshot shows a web browser window displaying a Flipgrid topic page. The browser's address bar shows the URL `admin.flipgrid.com/manage/topics/5674624`. The page content includes:

- Date: Oct 28, 2019
- Topic Title: **Something about Your Country**
- Engagement: 24 responses • 697 views • 15 comments • 20.0 hours of engagement
- Instructions: Share something interesting about your country, place and people. Simply you can tell about food, festivals or anything about your nation.
- Join Code: [79e4f573](#)
- Image: A glowing blue globe of the Earth with a grid overlay.
- Buttons: 'Share' and 'Actions'.

The Windows taskbar at the bottom shows the system tray with the date and time set to 'ENG 10:45'.

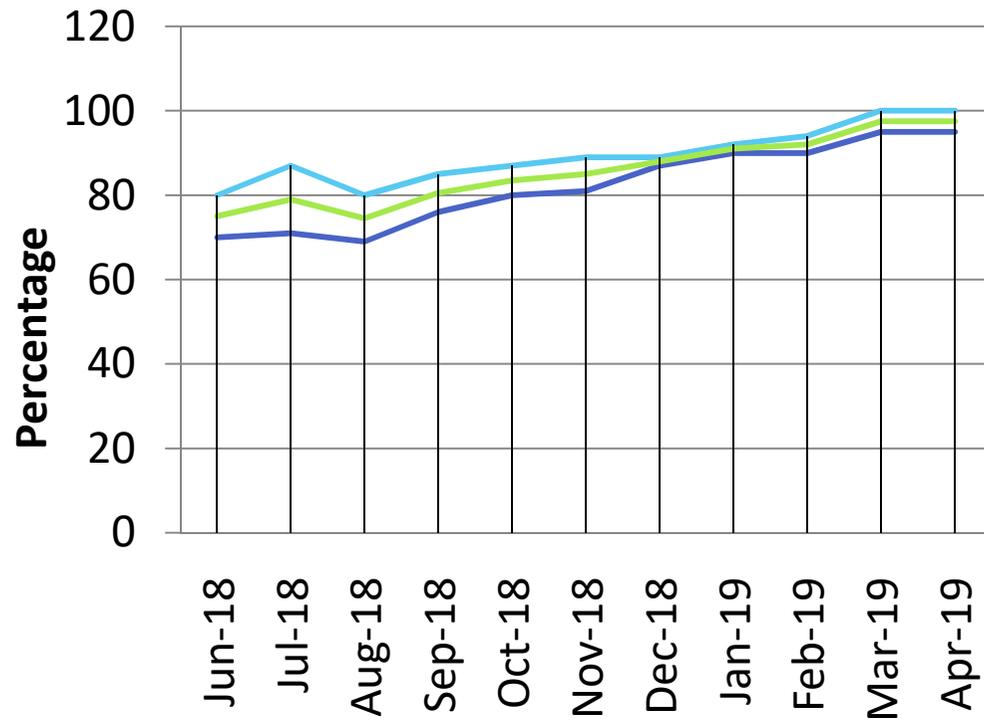
- Each grid is like a message board where teachers can pose questions called topics and their students can post video responses
- It help me in Diagnostic and Formative assessment
- Multiple students replied on topic from single device

## The various assessment strategies adopted by me in the regular class room teaching which indicate the impact of ICT use



- Once when my students were collaborated under the project Seed bank
- We have collected more than eighty thousands seeds of different plant
- We used **Google lens** to find out the type of Seeds

## The overall impact of my use of ICT in Teaching – Learning Process. And My contribution to the school with respect to ICT integration



YEAR 2018-2019

### Improved student attendance

- **Girls Attendance** Moved from **70 %** in start month to **95 %** in Last Month
- **Boys Attendance** Moved From **80% to 100%**
- **Average Attendance** improved from **75% to 97.5%**

## The overall impact of my use of ICT in Teaching – Learning Process. And My contribution to the school with respect to ICT integration



### Global Citizen

- Use of different platform in ICT is helping to develop **creativity, communication skills, attitude and other thinking skills** in my students.
- My students are emerging as a responsible Global Citizen

## The overall impact of my use of ICT in Teaching – Learning Process. And My contribution to the school with respect to ICT integration



### Beyond classroom walls.

- Besides, smart solutions for the future including laptop learning, e-learning, smart classrooms
- An **entire learning environment** of school helping to students, teachers, administrators, and parents for easily communicate and collaborate with each other
- All are sharing secure information around the clock, and, ultimately, **access a world of knowledge beyond classroom walls.**

## The overall impact of my use of ICT in Teaching – Learning Process. And My contribution to the school with respect to ICT integration

### Respecting Diversity



- They are enjoying the beauty of Integration in Socio geographical diversity.
- Students participated in programme **Bhasha Sangam**
- Students are respecting the other languages.

## The overall impact of my use of ICT in Teaching – Learning Process. And My contribution to the school with respect to ICT integration

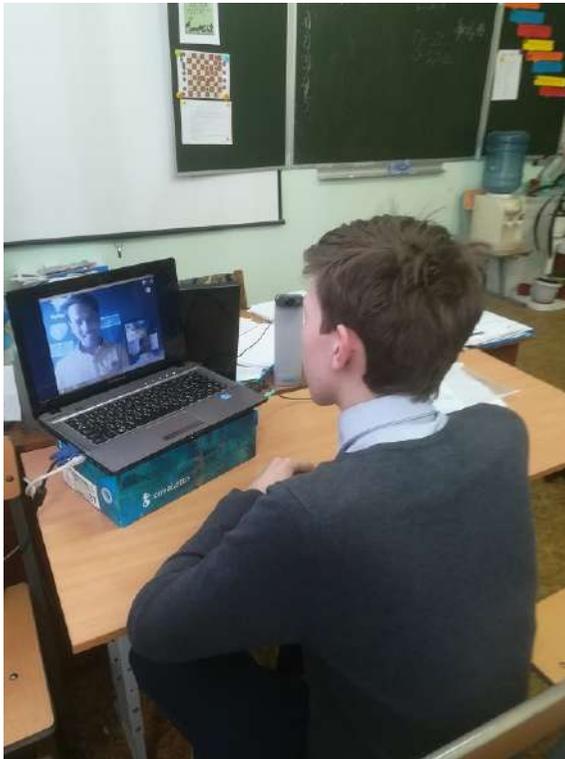


### My contribution

- I always participate to all students of schools in Collaborative project
- I helped to my school In data feeding related with office and Students.
- In period of pandemic my online class was open for all students of all grades

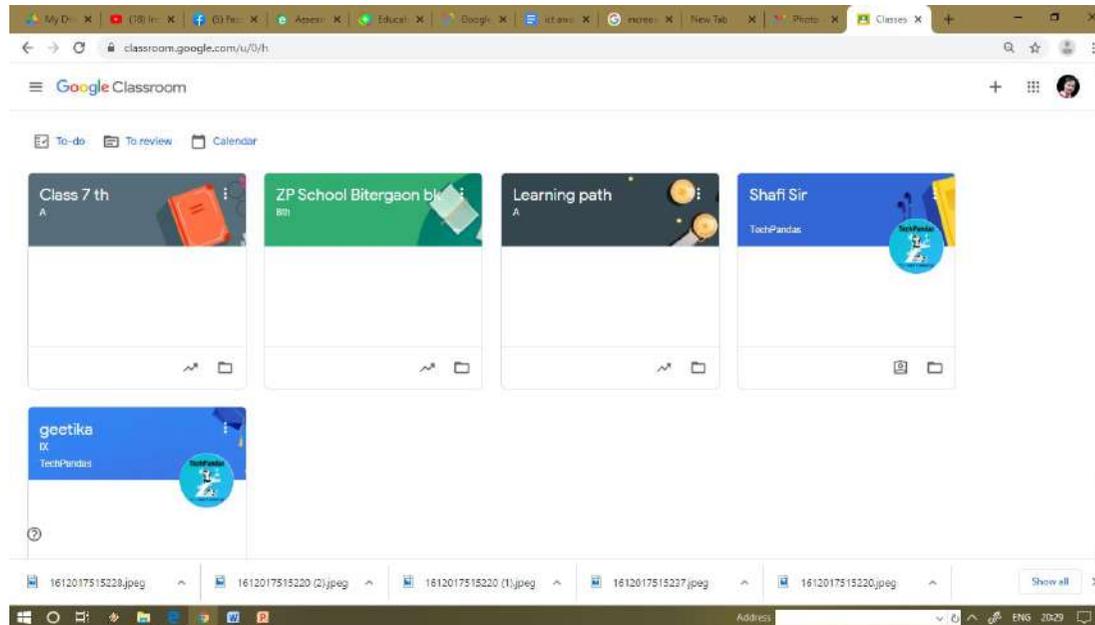
## The overall impact of my use of ICT in Teaching – Learning Process. And My contribution to the school with respect to ICT integration

### My contribution



- I take **online class** of other countries students.
- This classroom schedule in skype under **Microsoft educator community**
- Not only my school but for **Any students of Globe**, who is in need, I will stand as a **Facilitator**

## My future plans about ICT integration and enhancing quality of education



- I will transform my partially active Google classroom and Microsoft teams into fully active
- Where Student will read the assignment and submit it online



## **My future plans about ICT integration and enhancing quality of education**

- **Collecting crowd funding** and CSR for Tablets for all students.
- **To make virtual glasses** with low cost.
- To organise **monthly Virtual meeting** of parents by using Google meet or skype.
- To **involve more in international project** based on sustainable development goals and 21st century skills.
- To create student **profile and save it to Cloud Storage**, that will access by them at any time from any place.

**Thanks**